

MySQL Server Version Reference

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Abstract

This document provides a single resource for summary information about MySQL server, including specific information on changes between different versions and summary tables for reserved words, options/variables, operators and functions and build options.

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Chapter 1. `mysqld` Options/Variables Reference

The table below shows all the options and variables available across all versions of the `mysqld` server. The columns are as follows:

- **Name** — the name of the option or variable.
- **Intr** — the version in which the option or variable was introduced in `mysqld`
- **Depr** — the version of `mysqld` in which the option or variable was deprecated.
- **Cmd** — indicates whether the option/variable is valid on the command line.
- **Cnf** — indicates whether the option is valid within a configuration file.
- **Srvr** — indicates whether the variable is a server system variable.
- **Stat** — indicates whether the variable is a status variable.
- **Scp** — indicates the scope of the variable (session-specific, global, or both).
- **Dyn** — indicates whether the variable is dynamically settable while the server is running.
- **5.0** — indicates if the option/variable is available in the MySQL 5.0 series. If more information is available in the main reference manual, the indication will be a link to the correct part of the manual.
- **5.1** — indicates if the option/variable is available in the MySQL 5.1 series. If more information is available in the main reference manual, the indication will be a link to the correct part of the manual.
- **6.0** — indicates if the option/variable is available in the MySQL 6.0 series. If more information is available in the main reference manual, the indication will be a link to the correct part of the manual.

Table 1.1. Option/Variable Reference

Name	Intr	Depr	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.0	5.1	6.0
abort-slave-event-count			Yes	Yes					Yes	Yes	Yes
Aborted_clients							Global	No	Yes	Yes	Yes
Aborted_connects							Global	No	Yes	Yes	Yes
allow-suspicious-udfs	4.1.10a, 5.0.3		Yes	Yes					Yes	Yes	Yes
ansi			Yes	Yes					Yes	Yes	Yes
auto_increment_increment	5.0.2		Yes	Yes			Both	Yes	Yes	Yes	Yes
auto_increment_offset	5.0.2		Yes	Yes			Both	Yes	Yes	Yes	Yes
autocommit							Session	Yes	Yes	Yes	Yes
automatic_sp_privileges	5.0.3						Global	Yes	Yes	Yes	Yes
back_log			Yes	Yes			Global	No	Yes	Yes	Yes
backup_history_log	6.0.8		Yes	Yes			Global	Yes			Yes
backup_history_log_file	6.0.8		Yes	Yes			Global	Yes			Yes
backup_progress_log	6.0.8		Yes	Yes			Global	Yes			Yes
backup_progress_log_file	6.0.8		Yes	Yes			Global	Yes			Yes
backup_wait_timeout	6.0.7						Session	Yes			Yes
backupdir	6.0.7		Yes	Yes			Global	Yes			Yes
basedir			Yes	Yes			Global	No	Yes	Yes	Yes
bdb_cache_size			Yes	Yes			Global	No	Yes		
bdb-data-direct	5.1.4						Global	No			
bdb-home			Yes	Yes			Global	No	Yes		
bdb-lock-detect			Yes	Yes			Global	No	Yes		
bdb_log_buffer_size			Yes	Yes			Global	No	Yes		

Name	Intr	Depr	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.0	5.1	6.0
bdb-log-direct	5.1.4						Global	No			
bdb-logdir			Yes	Yes			Global	No	Yes		
bdb_max_lock			Yes	Yes			Global	No	Yes		
bdb-no-recover			Yes	Yes					Yes		
bdb-no-sync		4.0.18	Yes	Yes							
bdb-shared-data			Yes	Yes			Global	No	Yes		
bdb-tmpdir			Yes	Yes			Global	No	Yes		
big-tables			Yes	Yes			Session	Yes	Yes	Yes	Yes
bind-address			Yes	Yes					Yes	Yes	Yes
Binlog_cache_disk_use	4.1.2						Global	No	Yes	Yes	Yes
binlog_cache_size			Yes	Yes			Global	Yes	Yes	Yes	Yes
Binlog_cache_use	4.1.2						Global	No	Yes	Yes	Yes
binlog-do-db			Yes	Yes					Yes	Yes	Yes
binlog-format	5.1.5		Yes	Yes			Both	Yes		Yes	Yes
binlog-ignore-db			Yes	Yes					Yes	Yes	Yes
binlog-row-event-max-size	5.1.5		Yes	Yes						Yes	Yes
bootstrap			Yes	Yes					Yes	Yes	Yes
bulk_insert_buffer_size			Yes	Yes			Both	Yes	Yes	Yes	Yes
Bytes_received							Both	No	Yes	Yes	Yes
Bytes_sent							Both	No	Yes	Yes	Yes
character_set		4.1.1	Yes					No			
character_set_client	4.1.1						Both	Yes	Yes	Yes	Yes
character-set-client-handshake	4.1.15		Yes	Yes					Yes	Yes	Yes
character_set_connection	4.1.1						Both	Yes	Yes	Yes	Yes
character_set_database	4.1.1						Both	Yes	Yes	Yes	Yes
character-set-filesystem	5.0.19, 5.1.6		Yes	Yes			Both	Yes	Yes	Yes	Yes
character_set_results	4.1.1						Both	Yes	Yes	Yes	Yes
character-set-server	4.1.3		Yes	Yes			Both	Yes	Yes	Yes	Yes
character_set_system	4.1.1						Global	No	Yes	Yes	Yes
character-sets-dir	4.1.2		Yes	Yes			Global	No	Yes	Yes	Yes
chroot			Yes	Yes					Yes	Yes	Yes
collation_connection	4.1.1						Both	Yes	Yes	Yes	Yes
collation_database	4.1.1						Both	Yes	Yes	Yes	Yes
collation-server	4.1.1		Yes	Yes			Both	Yes	Yes	Yes	Yes
Com_admin_commands							Both	No	Yes	Yes	Yes
Com_alter_db							Both	No	Yes	Yes	Yes
Com_alter_event							Both	No	Yes	Yes	Yes
Com_alter_table							Both	No	Yes	Yes	Yes
Com_analyze							Both	No	Yes	Yes	Yes
Com_backup	5.2.5						Both	No			Yes
Com_backup_table							Both	No	Yes	Yes	Yes
Com_begin							Both	No	Yes	Yes	Yes
Com_call_procedure	5.0.44, 5.1.19						Both	No	Yes	Yes	Yes
Com_change_db							Both	No	Yes	Yes	Yes
Com_change_master							Both	No	Yes	Yes	Yes
Com_check							Both	No	Yes	Yes	Yes
Com_checksum							Both	No	Yes	Yes	Yes

Name	Intr	Depr	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.0	5.1	6.0
Com_commit							Both	No	Yes	Yes	Yes
Com_create_db							Both	No	Yes	Yes	Yes
Com_create_event							Both	No	Yes	Yes	Yes
Com_create_function							Both	No	Yes	Yes	Yes
Com_create_index							Both	No	Yes	Yes	Yes
Com_create_table							Both	No	Yes	Yes	Yes
Com_create_user	5.0.30						Both	No	Yes	Yes	Yes
Com_dealloc_sql							Both	No	Yes	Yes	Yes
Com_delete							Both	No	Yes	Yes	Yes
Com_delete_multi							Both	No	Yes	Yes	Yes
Com_do							Both	No	Yes	Yes	Yes
Com_drop_db							Both	No	Yes	Yes	Yes
Com_drop_event							Both	No	Yes	Yes	Yes
Com_drop_function							Both	No	Yes	Yes	Yes
Com_drop_index							Both	No	Yes	Yes	Yes
Com_drop_table							Both	No	Yes	Yes	Yes
Com_drop_user							Both	No	Yes	Yes	Yes
Com_execute_sql							Both	No	Yes	Yes	Yes
Com_flush							Both	No	Yes	Yes	Yes
Com_grant							Both	No	Yes	Yes	Yes
Com_ha_close							Both	No	Yes	Yes	Yes
Com_ha_open							Both	No	Yes	Yes	Yes
Com_ha_read							Both	No	Yes	Yes	Yes
Com_help							Both	No	Yes	Yes	Yes
Com_insert							Both	No	Yes	Yes	Yes
Com_insert_select							Both	No	Yes	Yes	Yes
Com_kill							Both	No	Yes	Yes	Yes
Com_load							Both	No	Yes	Yes	Yes
Com_load_master_data		4.1.22					Both	No			
Com_load_master_table		4.1.22					Both	No			
Com_lock_tables							Both	No	Yes	Yes	Yes
Com_optimize							Both	No	Yes	Yes	Yes
Com_preload_keys							Both	No	Yes	Yes	Yes
Com_prepare_sql							Both	No	Yes	Yes	Yes
Com_purge							Both	No	Yes	Yes	Yes
Com_purge_before_date							Both	No	Yes	Yes	Yes
Com_rename_table							Both	No	Yes	Yes	Yes
Com_repair							Both	No	Yes	Yes	Yes
Com_replace							Both	No	Yes	Yes	Yes
Com_replace_select							Both	No	Yes	Yes	Yes
Com_reset							Both	No	Yes	Yes	Yes
Com_restore	5.2.5						Both	No			Yes
Com_restore_table							Both	No	Yes	Yes	Yes
Com_revoke							Both	No	Yes	Yes	Yes
Com_revoke_all							Both	No	Yes	Yes	Yes
Com_rollback							Both	No	Yes	Yes	Yes
Com_savepoint							Both	No	Yes	Yes	Yes
Com_select							Both	No	Yes	Yes	Yes

Name	Intr	Depr	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.0	5.1	6.0
Com_set_option							Both	No	Yes	Yes	Yes
Com_show_binlog_events							Both	No	Yes	Yes	Yes
Com_show_binlogs							Both	No	Yes	Yes	Yes
Com_show_charsets							Both	No	Yes	Yes	Yes
Com_show_collations							Both	No	Yes	Yes	Yes
Com_show_column_types							Both	No	Yes	Yes	Yes
Com_show_create_db							Both	No	Yes	Yes	Yes
Com_show_create_event							Both	No	Yes	Yes	Yes
Com_show_create_table							Both	No	Yes	Yes	Yes
Com_show_databases							Both	No	Yes	Yes	Yes
Com_show_engine_logs							Both	No	Yes	Yes	Yes
Com_show_engine_mutex							Both	No	Yes	Yes	Yes
Com_show_engine_status							Both	No	Yes	Yes	Yes
Com_show_errors							Both	No	Yes	Yes	Yes
Com_show_events							Both	No	Yes	Yes	Yes
Com_show_fields							Both	No	Yes	Yes	Yes
Com_show_grants							Both	No	Yes	Yes	Yes
Com_show_innodb_status							Both	No	Yes	Yes	Yes
Com_show_keys							Both	No	Yes	Yes	Yes
Com_show_logs							Both	No	Yes	Yes	Yes
Com_show_master_status							Both	No	Yes	Yes	Yes
Com_show_ndb_status							Both	No	Yes	Yes	Yes
Com_show_new_master							Both	No	Yes	Yes	Yes
Com_show_open_tables							Both	No	Yes	Yes	Yes
Com_show_plugins							Both	No	Yes	Yes	Yes
Com_show_privileges							Both	No	Yes	Yes	Yes
Com_show_processlist							Both	No	Yes	Yes	Yes
Com_show_profile	5.1.24, 6.0.5						Both	No		Yes	Yes
Com_show_profiles	5.1.24, 6.0.5						Both	No		Yes	Yes
Com_show_slave_hosts							Both	No	Yes	Yes	Yes
Com_show_slave_status							Both	No	Yes	Yes	Yes
Com_show_status							Both	No	Yes	Yes	Yes
Com_show_storage_engines							Both	No	Yes	Yes	Yes
Com_show_tables							Both	No	Yes	Yes	Yes
Com_show_triggers							Both	No	Yes	Yes	Yes
Com_show_variables							Both	No	Yes	Yes	Yes
Com_show_warnings							Both	No	Yes	Yes	Yes
Com_slave_start							Both	No	Yes	Yes	Yes
Com_slave_stop							Both	No	Yes	Yes	Yes
Com_stmt_close	4.1.13, 5.0.8						Both	No	Yes	Yes	Yes
Com_stmt_execute	4.1.13, 5.0.8						Both	No	Yes	Yes	Yes
Com_stmt_fetch	4.1.13, 5.0.8						Both	No	Yes	Yes	Yes
Com_stmt_prepare	4.1.13, 5.0.8						Both	No	Yes	Yes	Yes
Com_stmt_reprepare	5.1.25,						Both	No		Yes	Yes

Name	Intr	Depr	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.0	5.1	6.0
	6.0.6										
Com_stmt_reset	4.1.13, 5.0.8						Both	No	Yes	Yes	Yes
Com_stmt_send_long_data	4.1.13, 5.0.8						Both	No	Yes	Yes	Yes
Com_truncate							Both	No	Yes	Yes	Yes
Com_unlock_tables							Both	No	Yes	Yes	Yes
Com_update							Both	No	Yes	Yes	Yes
Com_update_multi							Both	No	Yes	Yes	Yes
Com_xa_commit							Both	No	Yes	Yes	Yes
Com_xa_end							Both	No	Yes	Yes	Yes
Com_xa_prepare							Both	No	Yes	Yes	Yes
Com_xa_recover							Both	No	Yes	Yes	Yes
Com_xa_rollback							Both	No	Yes	Yes	Yes
Com_xa_start							Both	No	Yes	Yes	Yes
completion_type	5.0.3		Yes	Yes			Both	Yes	Yes	Yes	Yes
Compression	5.0.16						Session	No	Yes	Yes	Yes
concurrent_insert			Yes	Yes			Global	Yes	Yes	Yes	Yes
connect_timeout			Yes	Yes			Global	Yes	Yes	Yes	Yes
Connections							Global	No	Yes	Yes	Yes
console			Yes	Yes					Yes	Yes	Yes
core-file			Yes	Yes					Yes	Yes	Yes
crash_binlog_innodb			Yes	Yes							
Created_tmp_disk_tables							Both	No	Yes	Yes	Yes
Created_tmp_files							Global	No	Yes	Yes	Yes
Created_tmp_tables							Both	No	Yes	Yes	Yes
datadir			Yes	Yes			Global	No	Yes	Yes	Yes
date_format							Both	Yes	Yes	Yes	Yes
datetime_format			Yes	Yes			Both	Yes	Yes	Yes	Yes
debug			Yes	Yes			Both	Yes	Yes	Yes	Yes
debug_sync	6.0.6						Both	Yes			Yes
debug-sync-timeout	6.0.6		Yes	Yes							Yes
default-character-set	4.1.3	5.0	Yes	Yes					Yes		
default-collation		4.1.3	Yes					No			
default-storage-engine	4.1.2		Yes	Yes					Yes	Yes	Yes
default-table-type		5.0	Yes	Yes					Yes	Yes	Yes
default-time-zone	4.1.3		Yes	Yes					Yes	Yes	Yes
default_week_format			Yes	Yes			Both	Yes	Yes	Yes	Yes
defaults-extra-file			Yes						Yes	Yes	Yes
defaults-file			Yes						Yes	Yes	Yes
defaults-group-suffix	5.0.10		Yes						Yes	Yes	Yes
delay-key-write			Yes	Yes			Global	Yes	Yes	Yes	Yes
delay-key-write-for-all-tables		4.0.3	Yes								
Delayed_errors							Global	No	Yes	Yes	Yes
delayed_insert_limit			Yes	Yes			Global	Yes	Yes	Yes	Yes
Delayed_insert_threads							Global	No	Yes	Yes	Yes
delayed_insert_timeout			Yes	Yes			Global	Yes	Yes	Yes	Yes
delayed_queue_size			Yes	Yes			Global	Yes	Yes	Yes	Yes
Delayed_writes							Global	No	Yes	Yes	Yes

Name	Intr	Depr	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.0	5.1	6.0
des-key-file			Yes	Yes					Yes	Yes	Yes
disconnect-slave-event-count			Yes	Yes					Yes	Yes	Yes
div_precision_increment	5.0.6		Yes	Yes			Both	Yes	Yes	Yes	Yes
enable-locking		4.0.3	Yes	Yes					Yes	Yes	Yes
enable-named-pipe			Yes	Yes					Yes	Yes	Yes
enable-pstack			Yes	Yes					Yes	Yes	Yes
engine-condition-pushdown	5.0.3		Yes	Yes			Both	Yes	Yes	Yes	Yes
error_count							Session	No	Yes	Yes	Yes
event-scheduler	5.1.6		Yes	Yes			Global	Yes		Yes	Yes
exit-info			Yes	Yes					Yes	Yes	Yes
expire_logs_days	4.1.0		Yes	Yes			Global	Yes	Yes	Yes	Yes
external-locking			Yes	Yes					Yes	Yes	Yes
falcon	6.0.0		Yes	Yes							Yes
falcon_checkpoint_schedule	6.0.2		Yes	Yes			Global	Yes			Yes
falcon_checksums	6.0.6		Yes	Yes			Global	Yes			Yes
falcon_consistent_read	6.0.4		Yes	Yes			Both	Yes			Yes
falcon_debug_mask	6.0.2		Yes	Yes			Global	Yes			Yes
falcon_debug_server	6.0.2		Yes	Yes			Global	No			Yes
falcon_disable_fsync	6.0.2		Yes	Yes			Global	Yes			Yes
falcon_gopher_threads	6.0.4		Yes	Yes			Global	No			Yes
falcon_index_chill_threshold	6.0.2		Yes	Yes			Global	Yes			Yes
falcon_initial_allocation	6.0.2		Yes	Yes			Global	Yes			Yes
falcon_io_threads	6.0.3		Yes	Yes			Global	Yes			Yes
falcon_large_blob_threshold	6.0.4		Yes	Yes			Global	No			Yes
falcon_lock_wait_timeout	6.0.4		Yes	Yes			Global	Yes			Yes
falcon_max_transaction_backlog	6.0.2		Yes	Yes			Global	Yes			Yes
falcon_page_cache_size	6.0.2		Yes	Yes			Global	No			Yes
falcon_page_size	6.0.2		Yes	Yes			Global	No			Yes
falcon_record_chill_threshold	6.0.2		Yes	Yes			Global	Yes			Yes
falcon_record_memory_max	6.0.2		Yes	Yes			Global	Yes			Yes
falcon_record_scavenge_floor	6.0.2		Yes	Yes			Global	Yes			Yes
falcon_record_scavenge_threshold	6.0.2		Yes	Yes			Global	Yes			Yes
falcon_scavenge_schedule	6.0.2		Yes	Yes			Global	No			Yes
falcon_serial_log_buffers	6.0.2		Yes	Yes			Global	No			Yes
falcon_serial_log_dir	6.0.2		Yes	Yes			Global	No			Yes
falcon_serial_log_priority	6.0.4		Yes	Yes			Global	Yes			Yes
falcon_support_xa	6.0.4		Yes	Yes			Global	No			Yes
falcon_use_deferred_index_hash	6.0.4		Yes	Yes			Global	No			Yes
falcon_use_sectorcache	6.0.6		Yes	Yes			Global	No			Yes
falcon_use_supernodes	6.0.5		Yes	Yes			Global	No			Yes
flush			Yes	Yes			Global	Yes	Yes	Yes	Yes
Flush_commands							Global	No	Yes	Yes	Yes
flush_time			Yes	Yes			Global	Yes	Yes	Yes	Yes
foreign_key_checks							Session	Yes	Yes	Yes	Yes
ft_boolean_syntax			Yes	Yes			Global	Yes	Yes	Yes	Yes
ft_max_word_len			Yes	Yes			Global	No	Yes	Yes	Yes
ft_min_word_len			Yes	Yes			Global	No	Yes	Yes	Yes

Name	Intr	Depr	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.0	5.1	6.0
ft_query_expansion_limit	4.1.1		Yes	Yes			Global	No	Yes	Yes	Yes
ft_stopword_file	4.1.10		Yes	Yes			Global	No	Yes	Yes	Yes
gdb			Yes	Yes					Yes	Yes	Yes
general-log	5.1.12		Yes	Yes			Global	Yes		Yes	Yes
general_log_file	5.1.12		Yes	Yes			Global	Yes		Yes	Yes
group_concat_max_len	4.1.10		Yes	Yes			Both	Yes	Yes	Yes	Yes
Handler_commit							Both	No	Yes	Yes	Yes
Handler_delete							Both	No	Yes	Yes	Yes
Handler_discover							Both	No	Yes	Yes	Yes
Handler_prepare	5.0.3						Both	No	Yes	Yes	Yes
Handler_read_first							Both	No	Yes	Yes	Yes
Handler_read_key							Both	No	Yes	Yes	Yes
Handler_read_next							Both	No	Yes	Yes	Yes
Handler_read_prev							Both	No	Yes	Yes	Yes
Handler_read_rnd							Both	No	Yes	Yes	Yes
Handler_read_rnd_next							Both	No	Yes	Yes	Yes
Handler_rollback							Both	No	Yes	Yes	Yes
Handler_savepoint	5.0.3						Both	No	Yes	Yes	Yes
Handler_savepoint_rollback	5.0.3						Both	No	Yes	Yes	Yes
Handler_update							Both	No	Yes	Yes	Yes
Handler_write							Both	No	Yes	Yes	Yes
have_archive	4.1.13						Global	No	Yes	Yes	
have_bdb							Global	No	Yes		
have_blackhole_engine	4.1.11						Global	No	Yes	Yes	
have_compress	4.1.1						Global	No	Yes	Yes	Yes
have_crypt	4.1.10						Global	No	Yes	Yes	Yes
have_csv	4.1.14						Global	No	Yes	Yes	Yes
have_dynamic_loading	5.1.10						Global	No		Yes	Yes
have_example_engine	4.1.14						Global	No	Yes	Yes	
have_federated_engine	5.0.6						Global	No	Yes	Yes	
have_geometry	4.1.13						Global	No	Yes	Yes	Yes
have_innodb							Global	No	Yes	Yes	Yes
have_isam							Global	No	Yes	Yes	
have_merge_engine	4.1.21, 5.0.24						Global	No	Yes	Yes	
have_ndbcluster	4.1.2						Global	No	Yes	Yes	Yes
have_openssl							Global	No	Yes	Yes	Yes
have_partition_engine	5.1.1	5.1.6					Global	No			
have_partitioning	5.1.6						Global	No		Yes	Yes
have_query_cache							Global	No	Yes	Yes	Yes
have_raid							Global	No	Yes	Yes	
have_row_based_replication	5.1.5						Global	No		Yes	
have_rtree_keys	4.1.3						Global	No	Yes	Yes	Yes
have_ssl	5.0.38, 5.1.17						Global	No	Yes	Yes	Yes
have_symlink							Global	No	Yes	Yes	Yes
help	4.0.24, 4.1.10a		Yes	Yes					Yes	Yes	Yes
hostname	5.0.38,						Global	No	Yes	Yes	Yes

Name	Intr	Depr	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.0	5.1	6.0
	5.1.17										
identity							Session	Yes	Yes	Yes	Yes
ignore_builtin_innodb	5.1.33		Yes	Yes			Global	No		Yes	
init_connect	4.1.2		Yes	Yes			Global	Yes	Yes	Yes	Yes
init-file			Yes	Yes			Global	No	Yes	Yes	Yes
init_slave	4.1.2		Yes	Yes			Global	Yes	Yes	Yes	Yes
innodb			Yes	Yes					Yes	Yes	Yes
innodb_adaptive_hash_index	5.0.52, 5.1.24, 6.0.5		Yes	Yes			Global	No	Yes	Yes	Yes
innodb_additional_mem_pool_size			Yes	Yes			Global	No	Yes	Yes	Yes
innodb_autoextend_increment	4.1.5		Yes	Yes			Global	Yes	Yes	Yes	Yes
innodb_autoinc_lock_mode	5.1.22		Yes	Yes			Global	No		Yes	Yes
innodb_buffer_pool_awe_mem_mb	4.1.0		Yes	Yes			Global	No	Yes	Yes	
InnoDB_buffer_pool_pages_data	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_buffer_pool_pages_dirty	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_buffer_pool_pages_flushed	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_buffer_pool_pages_free	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_buffer_pool_pages_latched	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_buffer_pool_pages_misc	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_buffer_pool_pages_total	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_buffer_pool_read_ahead_rnd	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_buffer_pool_read_ahead_seq	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_buffer_pool_read_requests	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_buffer_pool_reads	5.0.2						Global	No	Yes	Yes	Yes
innodb_buffer_pool_size			Yes	Yes			Global	No	Yes	Yes	Yes
InnoDB_buffer_pool_wait_free	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_buffer_pool_write_requests	5.0.2						Global	No	Yes	Yes	Yes
innodb_checksums	5.0.3		Yes	Yes			Global	No	Yes	Yes	Yes
innodb_commit_concurrency	5.0.12		Yes	Yes			Global	Yes	Yes	Yes	Yes
innodb_concurrency_tickets	5.0.3		Yes	Yes			Global	Yes	Yes	Yes	Yes
innodb_data_file_path			Yes	Yes			Global	No	Yes	Yes	Yes
InnoDB_data_fsyncs	5.0.2						Global	No	Yes	Yes	Yes
innodb_data_home_dir			Yes	Yes			Global	No	Yes	Yes	Yes
InnoDB_data_pending_fsyncs	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_data_pending_reads	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_data_pending_writes	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_data_read	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_data_reads	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_data_writes	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_data_written	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_dblwr_pages_written	5.0.2						Global	No	Yes	Yes	Yes

Name	Intr	Depr	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.0	5.1	6.0
InnoDB_dblwr_writes	5.0.2						Global	No	Yes	Yes	Yes
innodb_doublewrite	5.0.3		Yes	Yes			Global	No	Yes	Yes	Yes
innodb_extra_dirty_writes			Yes	Yes			Global	No			
innodb_fast_shutdown			Yes	Yes			Global	Yes	Yes	Yes	Yes
innodb_file_io_threads			Yes	Yes			Global	No	Yes	Yes	Yes
innodb_file_per_table	4.1.1		Yes	Yes			Global	No	Yes	Yes	Yes
innodb_flush_log_at_trx_commit			Yes	Yes			Global	Yes	Yes	Yes	Yes
innodb_flush_method			Yes	Yes			Global	No	Yes	Yes	Yes
innodb_force_recovery			Yes	Yes			Global	No	Yes	Yes	Yes
InnoDB_have_sync_atomic							Global	No			
InnoDB_heap_enabled							Global	No			
innodb_io_capacity			Yes	Yes			Global	No			
innodb_lock_wait_timeout			Yes	Yes			Global	No	Yes	Yes	Yes
innodb_locks_unsafe_for_binlog	4.1.4		Yes	Yes			Global	No	Yes	Yes	Yes
innodb_log_arch_dir		5.0.24	Yes	Yes			Global	No	Yes	Yes	
innodb_log_archive			Yes	Yes			Global	No	Yes	Yes	
innodb_log_buffer_size			Yes	Yes			Global	No	Yes	Yes	Yes
innodb_log_file_size			Yes	Yes			Global	No	Yes	Yes	Yes
innodb_log_files_in_group			Yes	Yes			Global	No	Yes	Yes	Yes
innodb_log_group_home_dir			Yes	Yes			Global	No	Yes	Yes	Yes
InnoDB_log_waits	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_log_write_requests	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_log_writes	5.0.2						Global	No	Yes	Yes	Yes
innodb_max_dirty_pages_pct			Yes	Yes			Global	Yes	Yes	Yes	Yes
innodb_max_merged_io			Yes	Yes			Global	No			
innodb_max_purge_lag	4.1.6		Yes	Yes			Global	Yes	Yes	Yes	Yes
innodb_mirrored_log_groups			Yes	Yes			Global	No	Yes	Yes	Yes
innodb_open_files	4.1.1		Yes	Yes			Global	No	Yes	Yes	Yes
InnoDB_os_log_fsyncs	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_os_log_pending_fsyncs	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_os_log_pending_writes	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_os_log_written	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_page_size	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_pages_created	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_pages_read	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_pages_written	5.0.2						Global	No	Yes	Yes	Yes
innodb_read_io_threads			Yes	Yes			Global	No			
innodb_rollback_on_timeout	5.0.32, 5.1.15		Yes	Yes			Global	No	Yes	Yes	Yes
InnoDB_row_lock_current_waits	5.0.3						Global	No	Yes	Yes	Yes
InnoDB_row_lock_time	5.0.3						Global	No	Yes	Yes	Yes
InnoDB_row_lock_time_avg	5.0.3						Global	No	Yes	Yes	Yes
InnoDB_row_lock_time_max	5.0.3						Global	No	Yes	Yes	Yes
InnoDB_row_lock_waits	5.0.3						Global	No	Yes	Yes	Yes
InnoDB_rows_deleted	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_rows_inserted	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_rows_read	5.0.2						Global	No	Yes	Yes	Yes
InnoDB_rows_updated	5.0.2						Global	No	Yes	Yes	Yes

Name	Intr	Depr	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.0	5.1	6.0
innodb_safe_binlog	4.1.3	5.0.3	Yes	Yes					Yes		
innodb_stats_on_metadata	5.1.17		Yes	Yes			Global	Yes		Yes	Yes
innodb_status_file			Yes	Yes					Yes	Yes	Yes
innodb_support_xa	5.0.3		Yes	Yes			Both	Yes	Yes	Yes	Yes
innodb_sync_spin_loops	5.0.3		Yes	Yes			Global	Yes	Yes	Yes	Yes
innodb_table_locks	4.1.2		Yes	Yes			Both	Yes	Yes	Yes	Yes
innodb_thread_concurrency			Yes	Yes			Global	Yes	Yes	Yes	Yes
innodb_thread_concurrency_timer_based			Yes	Yes			Global	No			
innodb_thread_sleep_delay	5.0.3		Yes	Yes			Global	Yes	Yes	Yes	Yes
innodb_use_legacy_cardinality_algorithm	5.0.82, 5.1.35		Yes	Yes			Global	Yes	Yes	Yes	
InnoDB_wake_ups							Global	No			
innodb_write_io_threads			Yes	Yes			Global	No			
insert_id							Session	Yes	Yes	Yes	Yes
interactive_timeout			Yes	Yes			Both	Yes	Yes	Yes	Yes
isam			Yes	Yes				No			
join_buffer_size			Yes	Yes			Both	Yes	Yes	Yes	Yes
join_cache_level	6.0.9		Yes	Yes			Both	Yes			Yes
keep_files_on_create	5.0.48, 5.1.21		Yes	Yes			Both	Yes	Yes	Yes	Yes
Key_blocks_not_flushed	4.1.1						Global	No	Yes	Yes	Yes
Key_blocks_unused	4.1.2						Global	No	Yes	Yes	Yes
Key_blocks_used							Global	No	Yes	Yes	Yes
key_buffer_size			Yes	Yes			Global	Yes	Yes	Yes	Yes
key_cache_age_threshold	4.1.1		Yes	Yes			Global	Yes	Yes	Yes	Yes
key_cache_block_size	4.1.1		Yes	Yes			Global	Yes	Yes	Yes	Yes
key_cache_division_limit	4.1.1		Yes	Yes			Global	Yes	Yes	Yes	Yes
Key_read_requests							Global	No	Yes	Yes	Yes
Key_reads							Global	No	Yes	Yes	Yes
Key_write_requests							Global	No	Yes	Yes	Yes
Key_writes							Global	No	Yes	Yes	Yes
language			Yes	Yes			Global	No	Yes	Yes	Yes
large_files_support							Global	No	Yes		
large_page_size	5.0.3						Global	No	Yes	Yes	Yes
large-pages	5.0.3		Yes	Yes			Global	No	Yes	Yes	Yes
last_insert_id							Session	Yes	Yes	Yes	Yes
Last_query_cost	5.0.1						Session	No	Yes	Yes	Yes
lc_time_names	4.1.21, 5.0.25, 5.1.12						Both	Yes	Yes	Yes	Yes
license							Global	No	Yes	Yes	Yes
local_infile							Global	Yes	Yes	Yes	Yes
local-infile			Yes	Yes					Yes	Yes	Yes
locked_in_memory							Global	No	Yes	Yes	Yes
log		5.1.29	Yes	Yes			Global	Yes	Yes	Yes	Yes
log-backup-output	6.0.8		Yes	Yes			Global	Yes			Yes
log_bin							Global	No	Yes	Yes	Yes

Name	Intr	Depr	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.0	5.1	6.0
log-bin			Yes	Yes			Global	No	Yes	Yes	Yes
log-bin-index			Yes	Yes					Yes	Yes	Yes
log-bin-trust-function-creators	5.0.16		Yes	Yes			Global	Yes	Yes	Yes	Yes
log-bin-trust-routine-creators	5.0.6	5.0.16	Yes	Yes			Global	Yes	Yes	Yes	
log-error			Yes	Yes			Global	No	Yes	Yes	Yes
log-isam			Yes	Yes					Yes	Yes	Yes
log-long-format		4.1	Yes	Yes							
log-output	5.1.6		Yes	Yes			Global	Yes		Yes	Yes
log-queries-not-using-indexes	4.1.1	5.1.29	Yes	Yes			Global	Yes	Yes	Yes	Yes
log-short-format			Yes	Yes					Yes	Yes	Yes
log-slave-updates			Yes	Yes			Global	No	Yes	Yes	Yes
log-slow-admin-statements	4.1.13		Yes	Yes					Yes	Yes	Yes
log-slow-queries			Yes	Yes			Global	Yes	Yes	Yes	Yes
log-slow-slave-statements	5.1.21, 6.0.4		Yes	Yes						Yes	Yes
log-tc	5.0.3		Yes	Yes					Yes	Yes	Yes
log-tc-size	5.0.3		Yes	Yes					Yes	Yes	Yes
log-update		5.0	Yes								
log-warnings			Yes	Yes			Both	Yes	Yes	Yes	Yes
long_query_time			Yes	Yes			Both	Yes	Yes	Yes	Yes
low-priority-updates			Yes	Yes			Both	Yes	Yes	Yes	Yes
lower_case_file_system			Yes	Yes			Global	No	Yes	Yes	Yes
lower_case_table_names			Yes	Yes			Global	No	Yes	Yes	Yes
maria	6.0.6		Yes	Yes							Yes
maria-block-size	6.0.6		Yes	Yes				No			Yes
maria-checkpoint-interval	6.0.6		Yes	Yes			Global	Yes			Yes
maria-force-start-after-recovery-failures	6.0.6		Yes	Yes							Yes
maria-log-dir-path	6.0.6		Yes	Yes							Yes
maria-log-file-size	6.0.6		Yes	Yes			Global	Yes			Yes
maria-log-purge-type	6.0.6		Yes	Yes			Global	Yes			Yes
maria-max-sort-file-size	6.0.6		Yes	Yes			Global	Yes			Yes
maria-page-checksum	6.0.6		Yes	Yes			Global	Yes			Yes
maria-pagecache-age-threshold	6.0.6		Yes	Yes			Global	Yes			Yes
maria-pagecache-buffer-size	6.0.6		Yes	Yes			Global	No			Yes
maria-pagecache-division-limit	6.0.6		Yes	Yes			Global	Yes			Yes
maria-recover	6.0.6		Yes	Yes			Global	Yes			Yes
maria-repair-threads	6.0.6		Yes	Yes			Both	Yes			Yes
maria-sort-buffer-size	6.0.6		Yes	Yes			Both	Yes			Yes
maria-stats-method	6.0.6		Yes	Yes			Both	Yes			Yes
maria-sync-log-dir	6.0.6		Yes	Yes			Global	Yes			Yes
master-bind	5.1.22-nd b-6.3.4		Yes	Yes				No		Yes	Yes
master-connect-retry		5.1.17	Yes	Yes					Yes	Yes	
master-host		5.1.17	Yes	Yes					Yes	Yes	
master-info-file			Yes	Yes					Yes	Yes	Yes
master-password		5.1.17	Yes	Yes					Yes	Yes	
master-port		5.1.17	Yes	Yes					Yes	Yes	

Name	Intr	Depr	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.0	5.1	6.0
master-retry-count			Yes	Yes					Yes	Yes	Yes
master-ssl		5.1.17	Yes	Yes					Yes	Yes	
master-ssl-ca		5.1.17	Yes	Yes					Yes	Yes	
master-ssl-capath		5.1.17	Yes	Yes					Yes	Yes	
master-ssl-cert		5.1.17	Yes	Yes					Yes	Yes	
master-ssl-cipher		5.1.17	Yes	Yes					Yes	Yes	
master-ssl-key		5.1.17	Yes	Yes					Yes	Yes	
master-user		5.1.17	Yes	Yes					Yes	Yes	
max_allowed_packet			Yes	Yes			Both	Yes	Yes	Yes	Yes
max_binlog_cache_size			Yes	Yes			Global	Yes	Yes	Yes	Yes
max-binlog-dump-events			Yes	Yes					Yes	Yes	Yes
max_binlog_size			Yes	Yes			Global	Yes	Yes	Yes	Yes
max_connect_errors			Yes	Yes			Global	Yes	Yes	Yes	Yes
max_connections			Yes	Yes			Global	Yes	Yes	Yes	Yes
max_delayed_threads			Yes	Yes			Both	Yes	Yes	Yes	Yes
max_error_count	4.1.0		Yes	Yes			Both	Yes	Yes	Yes	Yes
max_heap_table_size			Yes	Yes			Both	Yes	Yes	Yes	Yes
max_insert_delayed_threads							Both	Yes	Yes	Yes	Yes
max_join_size			Yes	Yes			Both	Yes	Yes	Yes	Yes
max_length_for_sort_data	4.1.1		Yes	Yes			Both	Yes	Yes	Yes	Yes
max_prepared_stmt_count	4.1.19, 5.0.21, 5.1.10		Yes	Yes			Global	Yes	Yes	Yes	Yes
max_relay_log_size			Yes	Yes			Global	Yes	Yes	Yes	Yes
max_seeks_for_key			Yes	Yes			Both	Yes	Yes	Yes	Yes
max_sort_length			Yes	Yes			Both	Yes	Yes	Yes	Yes
max_sp_recursion_depth	5.0.17		Yes	Yes			Both	Yes	Yes	Yes	Yes
max_tmp_tables			Yes	Yes			Both	Yes	Yes	Yes	Yes
Max_used_connections							Global	No	Yes	Yes	Yes
max_user_connections			Yes	Yes			Both	Yes	Yes	Yes	Yes
max_write_lock_count			Yes	Yes			Global	Yes	Yes	Yes	Yes
memlock			Yes	Yes			Global	No	Yes	Yes	Yes
merge	4.1.21, 5.0.24, 5.1.12		Yes	Yes					Yes	Yes	
min-examined-row-limit	5.1.21, 6.0.4		Yes	Yes			Both	Yes		Yes	Yes
multi_range_count	5.0.3		Yes	Yes			Both	Yes	Yes	Yes	
myisam-block-size			Yes	Yes					Yes	Yes	Yes
myisam_data_pointer_size	4.1.2		Yes	Yes			Global	Yes	Yes	Yes	Yes
myisam_max_extra_sort_file_size		5.0.6	Yes	Yes			Global	No	Yes		
myisam_max_sort_file_size			Yes	Yes			Global	Yes	Yes	Yes	Yes
myisam-recover			Yes	Yes					Yes	Yes	Yes
myisam_recover_options							Global	No	Yes	Yes	Yes
myisam_repair_threads			Yes	Yes			Both	Yes	Yes	Yes	Yes
myisam_sort_buffer_size			Yes	Yes			Both	Yes	Yes	Yes	Yes
myisam_stats_method	4.1.15, 5.0.14		Yes	Yes			Both	Yes	Yes	Yes	Yes
myisam_use_mmap	5.1.4		Yes	Yes			Global	Yes		Yes	Yes

Name	Intr	Depr	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.0	5.1	6.0
named_pipe							Global	No	Yes	Yes	Yes
ndb_autoincrement_prefetch_sz	4.1.8		Yes	Yes			Both	Yes	Yes	Yes	Yes
ndb_batch_size	5.1.23-nd b-6.3.8		Yes	Yes			Global	No		Yes	
ndb_cache_check_time			Yes	Yes			Global	Yes	Yes	Yes	
ndb_cluster_connection_pool	5.1.19-nd b-6.2.2		Yes	Yes			Global	No		Yes	
Ndb_cluster_node_id							Both	No	Yes	Yes	Yes
Ndb_config_from_host	5.0.23, 5.1.12						Both	No	Yes	Yes	Yes
Ndb_config_from_port	5.0.23, 5.1.12						Both	No	Yes	Yes	Yes
Ndb_conflict_fn_max	5.1.22-nd b-6.3.3						Global	No		Yes	Yes
Ndb_conflict_fn_old	5.1.22-nd b-6.3.4						Global	No		Yes	Yes
ndb_connectstring			Yes	Yes						Yes	
ndb_execute_count	5.1.22-nd b-6.3.6						Global	No		Yes	
ndb_extra_logging	5.1.6		Yes	Yes			Global	Yes		Yes	
ndb_force_send	4.1.8		Yes	Yes			Both	Yes	Yes	Yes	
ndb_index_stat_cache_entries			Yes	Yes					Yes	Yes	Yes
ndb_index_stat_enable			Yes	Yes					Yes	Yes	Yes
ndb_index_stat_update_freq			Yes	Yes					Yes	Yes	Yes
ndb_log_empty_epochs	5.1.31-nd b-6.4.1		Yes	Yes			Global	Yes		Yes	
ndb_log_orig	5.1.22-nd b-6.3.2						Global	No		Yes	
ndb_log_update_as_write	5.1.22-nd b-6.2.5		Yes	Yes			Global	Yes		Yes	
ndb_log_updated_only	5.1.19-nd b-6.3.0		Yes	Yes			Global	Yes		Yes	
ndb_mgmd_host			Yes	Yes					Yes	Yes	
ndb_nodeid	5.0.45, 5.1.15		Yes	Yes			Global	No	Yes	Yes	
Ndb_number_of_data_nodes	5.1.12						Global	No		Yes	Yes
ndb_optimization_delay	5.1.23-nd b-6.3.7						Global	Yes		Yes	
ndb_optimized_node_selection	4.1.9		Yes	Yes					Yes	Yes	
ndb_pruned_scan_count	5.1.32-nd b-7.0.5						Global	No		Yes	
ndb_report_thresh_binlog_epoch_slip			Yes	Yes					Yes	Yes	Yes
ndb_report_thresh_binlog_mem_usage			Yes	Yes					Yes	Yes	Yes
ndb_scan_count	5.1.32-nd b-7.0.5						Global	No		Yes	
ndb_table_no_logging	5.1.23-nd b-6.3.8						Session	Yes		Yes	
ndb_table_temporary	5.1.23-nd b-6.3.8						Session	Yes		Yes	
ndb_use_copying_alter_table	5.1.12						Both	No		Yes	
ndb_use_exact_count	4.1.8						Both	Yes	Yes	Yes	
ndb_use_transactions	4.1.18		Yes	Yes					Yes	Yes	Yes

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<code>ndb_wait_connected</code>	5.1.16-ndb-6.2.0		Yes	Yes				No		Yes	
<code>ndbcluster</code>			Yes	Yes					Yes	Yes	
<code>net_buffer_length</code>			Yes	Yes			Both	Yes	Yes	Yes	Yes
<code>net_read_timeout</code>			Yes	Yes			Both	Yes	Yes	Yes	Yes
<code>net_retry_count</code>			Yes	Yes			Both	Yes	Yes	Yes	Yes
<code>net_write_timeout</code>			Yes	Yes			Both	Yes	Yes	Yes	Yes
<code>new</code>			Yes	Yes			Both	Yes	Yes	Yes	Yes
<code>no-defaults</code>			Yes						Yes	Yes	Yes
<code>Not_flushed_delayed_rows</code>							Global	No	Yes	Yes	Yes
<code>old</code>	5.1.18		Yes	Yes			Global	No		Yes	Yes
<code>old-alter-table</code>			Yes	Yes						Yes	Yes
<code>old-passwords</code>			Yes	Yes			Both	Yes	Yes	Yes	Yes
<code>old-protocol</code>			Yes	Yes							
<code>old-style-user-limits</code>	5.0.3		Yes	Yes					Yes	Yes	Yes
<code>one-thread</code>			Yes	Yes					Yes	Yes	Yes
<code>Open_files</code>							Global	No	Yes	Yes	Yes
<code>open-files-limit</code>			Yes	Yes			Global	No	Yes	Yes	Yes
<code>Open_streams</code>							Global	No	Yes	Yes	Yes
<code>Open_table_definitions</code>	5.1.3						Global	No		Yes	Yes
<code>Open_tables</code>							Both	No	Yes	Yes	Yes
<code>Opened_files</code>	5.1.21						Global	No		Yes	Yes
<code>Opened_table_definitions</code>	5.1.24, 6.0.4						Both	No		Yes	Yes
<code>Opened_tables</code>							Both	No	Yes	Yes	Yes
<code>optimizer_prune_level</code>	5.0.1		Yes	Yes			Both	Yes	Yes	Yes	Yes
<code>optimizer_search_depth</code>	5.0.1		Yes	Yes			Both	Yes	Yes	Yes	Yes
<code>optimizer_switch</code>	5.1.34, 5.2.4		Yes	Yes			Both	Yes		Yes	Yes
<code>optimizer_use_mrr</code>	5.2.4						Both	Yes			Yes
<code>pid-file</code>			Yes	Yes			Global	No	Yes	Yes	Yes
<code>plugin_dir</code>	4.1.25, 5.0.67, 5.1.2		Yes	Yes			Global	No	Yes	Yes	Yes
<code>plugin-load</code>	5.1.18		Yes	Yes						Yes	Yes
<code>port</code>			Yes	Yes			Global	No	Yes	Yes	Yes
<code>port-open-timeout</code>	5.0.19, 5.1.5		Yes	Yes					Yes	Yes	Yes
<code>preload_buffer_size</code>	4.1.1		Yes	Yes			Both	Yes	Yes	Yes	Yes
<code>Prepared_stmt_count</code>	4.1.23, 5.0.32, 5.1.14						Global	No	Yes	Yes	Yes
<code>prepared_stmt_count</code>	4.1.19, 5.0.21, 5.1.10						Global	No	Yes	Yes	
<code>print-defaults</code>			Yes						Yes	Yes	Yes
<code>profiling</code>	5.0.37 CS, 5.1.24, 6.0.5						Session	Yes	Yes	Yes	Yes
<code>profiling_history_size</code>	5.0.37 CS, 5.1.24, 6.0.5						Both	Yes	Yes	Yes	Yes

Name	Intr	Depr	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.0	5.1	6.0
protocol_version							Global	No	Yes	Yes	Yes
Qcache_free_blocks							Global	No	Yes	Yes	Yes
Qcache_free_memory							Global	No	Yes	Yes	Yes
Qcache_hits							Global	No	Yes	Yes	Yes
Qcache_inserts							Global	No	Yes	Yes	Yes
Qcache_lowmem_prunes							Global	No	Yes	Yes	Yes
Qcache_not_cached							Global	No	Yes	Yes	Yes
Qcache_queries_in_cache							Global	No	Yes	Yes	Yes
Qcache_total_blocks							Global	No	Yes	Yes	Yes
Queries	5.0.76, 5.1.31, 6.0.10						Both	No	Yes	Yes	Yes
query_alloc_block_size			Yes	Yes			Both	Yes	Yes	Yes	Yes
query_cache_limit			Yes	Yes			Global	Yes	Yes	Yes	Yes
query_cache_min_res_unit			Yes	Yes			Global	Yes	Yes	Yes	Yes
query_cache_size			Yes	Yes			Global	Yes	Yes	Yes	Yes
query_cache_type			Yes	Yes			Both	Yes	Yes	Yes	Yes
query_cache_wlock_invalidate			Yes	Yes			Both	Yes	Yes	Yes	Yes
query_prealloc_size			Yes	Yes			Both	Yes	Yes	Yes	Yes
Questions							Both	No	Yes	Yes	Yes
rand_seed1	4.0.5						Session	Yes	Yes	Yes	Yes
rand_seed2	4.0.5						Session	Yes	Yes	Yes	Yes
range_alloc_block_size			Yes	Yes			Both	Yes	Yes	Yes	Yes
read_buffer_size			Yes	Yes			Both	Yes	Yes	Yes	Yes
read_only			Yes	Yes			Global	Yes	Yes	Yes	Yes
read_rnd_buffer_size			Yes	Yes			Both	Yes	Yes	Yes	Yes
record_buffer		4.0.3	Yes	Yes				No			
relay-log			Yes	Yes					Yes	Yes	Yes
relay-log-index			Yes	Yes					Yes	Yes	Yes
relay-log-info-file			Yes	Yes					Yes	Yes	Yes
relay_log_purge	4.1.1		Yes	Yes			Global	Yes	Yes	Yes	Yes
relay_log_recovery	6.0.11		Yes	Yes			Global	Yes			Yes
relay_log_space_limit			Yes	Yes			Global	No	Yes	Yes	Yes
replicate-do-db			Yes	Yes					Yes	Yes	Yes
replicate-do-table			Yes	Yes					Yes	Yes	Yes
replicate-ignore-db			Yes	Yes					Yes	Yes	Yes
replicate-ignore-table			Yes	Yes					Yes	Yes	Yes
replicate-rewrite-db			Yes	Yes					Yes	Yes	Yes
replicate-same-server-id	5.0.1		Yes	Yes					Yes	Yes	Yes
replicate-wild-do-table			Yes	Yes					Yes	Yes	Yes
replicate-wild-ignore-table			Yes	Yes					Yes	Yes	Yes
report-host			Yes	Yes			Global	No	Yes	Yes	Yes
report-password			Yes	Yes			Global	No	Yes	Yes	Yes
report-port			Yes	Yes			Global	No	Yes	Yes	Yes
report-user			Yes	Yes			Global	No	Yes	Yes	Yes
rpl_recovery_rank							Global	Yes	Yes	Yes	Yes
Rpl_semi_sync_master_clients	6.0.8						Global	No			Yes
rpl_semi_sync_master_enabled	6.0.8						Global	Yes			Yes
Rpl_semi_sync_master_net_avg_w	6.0.8						Global	No			Yes

Name	Intr	Depr	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.0	5.1	6.0
ait_time											
Rpl_semi_sync_master_net_wait_time	6.0.8						Global	No			Yes
Rpl_semi_sync_master_net_waits	6.0.8						Global	No			Yes
Rpl_semi_sync_master_no_times	6.0.8						Global	No			Yes
Rpl_semi_sync_master_no_tx	6.0.8						Global	No			Yes
rpl_semi_sync_master_reply_log_file_pos	6.0.8						Global	Yes			Yes
Rpl_semi_sync_master_status	6.0.8						Global	No			Yes
Rpl_semi_sync_master_timefunc_failures	6.0.8						Global	No			Yes
rpl_semi_sync_master_timeout	6.0.8						Global	Yes			Yes
rpl_semi_sync_master_trace_level	6.0.8						Global	Yes			Yes
Rpl_semi_sync_master_tx_avg_wait_time	6.0.8						Global	No			Yes
Rpl_semi_sync_master_tx_wait_time	6.0.8						Global	No			Yes
Rpl_semi_sync_master_tx_waits	6.0.8						Global	No			Yes
Rpl_semi_sync_master_wait_pos_backtraverse	6.0.8						Global	No			Yes
Rpl_semi_sync_master_wait_sessions	6.0.8						Global	No			Yes
Rpl_semi_sync_master_yes_tx	6.0.8						Global	No			Yes
rpl_semi_sync_slave_enabled	6.0.8						Global	Yes			Yes
Rpl_semi_sync_slave_status	6.0.8						Global	No			Yes
rpl_semi_sync_slave_trace_level	6.0.8						Global	Yes			Yes
Rpl_status							Global	No	Yes	Yes	Yes
safe-mode		5.0	Yes	Yes					Yes	Yes	Yes
safe-show-database		4.0.2	Yes	Yes			Global	Yes	Yes	Yes	Yes
safe-user-create			Yes	Yes					Yes	Yes	Yes
safemalloc-mem-limit			Yes	Yes					Yes	Yes	Yes
secure-auth	4.1.1		Yes	Yes			Global	Yes	Yes	Yes	Yes
secure-backup-file-priv	6.1.11		Yes	Yes			Global	No			Yes
secure-file-priv	5.0.38, 5.1.17		Yes	Yes			Global	No	Yes	Yes	Yes
Select_full_join							Both	No	Yes	Yes	Yes
Select_full_range_join							Both	No	Yes	Yes	Yes
Select_range							Both	No	Yes	Yes	Yes
Select_range_check							Both	No	Yes	Yes	Yes
Select_scan							Both	No	Yes	Yes	Yes
server-id			Yes	Yes			Global	Yes	Yes	Yes	Yes
set-variable		5.0	Yes	Yes					Yes		
shared_memory	4.1.1						Global	No	Yes	Yes	Yes
shared_memory_base_name	4.1.0						Global	No	Yes	Yes	Yes
show-slave-auth-info			Yes	Yes					Yes	Yes	Yes
skip-bdb			Yes	Yes					Yes		
skip-character-set-client-handshake	4.1.15, 5.0.13		Yes	Yes					Yes	Yes	Yes
skip-concurrent-insert			Yes	Yes					Yes	Yes	Yes

Name	Intr	Depr	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.0	5.1	6.0
skip-external-locking			Yes	Yes			Global	No	Yes	Yes	Yes
skip-falcon	6.0.0		Yes	Yes							Yes
skip-grant-tables			Yes	Yes					Yes	Yes	Yes
skip-host-cache			Yes	Yes					Yes	Yes	Yes
skip-innodb			Yes	Yes					Yes	Yes	Yes
skip-innodb-checksums	5.0.3		Yes	Yes					Yes	Yes	Yes
skip-isam	4.1.1		Yes	Yes				No			
skip-locking			Yes	Yes					Yes	Yes	Yes
skip-log-warnings			Yes						Yes	Yes	Yes
skip-merge	5.0.24, 5.1.12		Yes	Yes					Yes	Yes	
skip-name-resolve			Yes	Yes					Yes	Yes	Yes
skip-ndbcluster			Yes	Yes						Yes	Yes
skip-networking			Yes	Yes			Global	No	Yes	Yes	Yes
skip-new			Yes	Yes					Yes	Yes	Yes
skip-safemalloc			Yes	Yes					Yes	Yes	Yes
skip-show-database			Yes	Yes			Global	No	Yes	Yes	Yes
skip-slave-start			Yes	Yes					Yes	Yes	Yes
skip-ssl			Yes	Yes					Yes	Yes	Yes
skip-stack-trace			Yes	Yes					Yes	Yes	Yes
skip-symbolic-links			Yes						Yes	Yes	Yes
skip-symlink			Yes	Yes					Yes	Yes	Yes
skip-sync-bdb-logs			Yes	Yes			Global	No	Yes		
skip-thread-priority		5.1.29	Yes	Yes					Yes	Yes	Yes
slave-allow-batching	5.1.19-nd b-6.2.3		Yes	Yes			Global	Yes		Yes	
slave_compressed_protocol			Yes	Yes			Global	Yes	Yes	Yes	Yes
slave_exec_mode	5.1.24, 6.0.5						Global	Yes		Yes	Yes
Slave_heartbeat_period	5.1.22-nd b-6.3.4, 6.0.4						Global	No		Yes	Yes
slave-load-tmpdir			Yes	Yes			Global	No	Yes	Yes	Yes
slave-net-timeout			Yes	Yes			Global	Yes	Yes	Yes	Yes
Slave_open_temp_tables							Global	No	Yes	Yes	Yes
Slave_received_heartbeats	5.1.22-nd b-6.3.4, 6.0.4						Global	No		Yes	Yes
Slave_retried_transactions	5.0.4						Global	No	Yes	Yes	Yes
Slave_running							Global	No	Yes	Yes	Yes
slave-skip-errors			Yes	Yes			Global	No	Yes	Yes	Yes
slave_transaction_retries	4.1.11, 5.0.3		Yes	Yes			Global	Yes	Yes	Yes	Yes
Slow_launch_threads							Both	No	Yes	Yes	Yes
slow_launch_time			Yes	Yes			Global	Yes	Yes	Yes	Yes
Slow_queries							Both	No	Yes	Yes	Yes
slow-query-log	5.1.12		Yes	Yes			Global	Yes		Yes	Yes
slow_query_log_file	5.1.12		Yes	Yes			Global	Yes		Yes	Yes
socket			Yes	Yes			Global	No	Yes	Yes	Yes
sort_buffer_size			Yes	Yes			Both	Yes	Yes	Yes	Yes

Name	Intr	Depr	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.0	5.1	6.0
Sort_merge_passes							Both	No	Yes	Yes	Yes
Sort_range							Both	No	Yes	Yes	Yes
Sort_rows							Both	No	Yes	Yes	Yes
Sort_scan							Both	No	Yes	Yes	Yes
sporadic-binlog-dump-fail			Yes	Yes					Yes	Yes	Yes
sql_auto_is_null							Session	Yes	Yes	Yes	Yes
sql_big_selects							Session	Yes	Yes	Yes	Yes
sql_big_tables							Session	Yes	Yes	Yes	Yes
sql-bin-update-same			Yes	Yes							
sql_buffer_result							Session	Yes	Yes	Yes	Yes
sql_log_bin							Session	Yes	Yes	Yes	Yes
sql_log_off							Session	Yes	Yes	Yes	Yes
sql_log_update		5.0					Session	Yes	Yes	Yes	Yes
sql_low_priority_updates							Both	Yes	Yes	Yes	Yes
sql_max_join_size							Both	Yes	Yes	Yes	Yes
sql-mode			Yes	Yes			Both	Yes	Yes	Yes	Yes
sql_notes	4.1.11, 5.0.3						Session	Yes	Yes	Yes	Yes
sql_quote_show_create							Session	Yes	Yes	Yes	Yes
sql_safe_updates							Session	Yes	Yes	Yes	Yes
sql_select_limit							Both	Yes	Yes	Yes	Yes
sql_slave_skip_counter							Global	Yes	Yes	Yes	Yes
sql_warnings							Session	Yes	Yes	Yes	Yes
ssl			Yes	Yes					Yes	Yes	Yes
Ssl_accept_renegotiates							Global	No	Yes	Yes	Yes
Ssl_accepts							Global	No	Yes	Yes	Yes
ssl-ca	5.0.23, 5.1.11		Yes	Yes			Global	No	Yes	Yes	Yes
Ssl_callback_cache_hits							Global	No	Yes	Yes	Yes
ssl-capath	5.0.23, 5.1.11		Yes	Yes			Global	No	Yes	Yes	Yes
ssl-cert	5.0.23, 5.1.11		Yes	Yes			Global	No	Yes	Yes	Yes
ssl-cipher	5.0.23, 5.1.11		Yes	Yes			Global	No	Yes	Yes	Yes
Ssl_cipher							Both	No	Yes	Yes	Yes
Ssl_cipher_list							Both	No	Yes	Yes	Yes
Ssl_client_connects							Global	No	Yes	Yes	Yes
Ssl_connect_renegotiates							Global	No	Yes	Yes	Yes
Ssl_ctx_verify_depth							Global	No	Yes	Yes	Yes
Ssl_ctx_verify_mode							Global	No	Yes	Yes	Yes
Ssl_default_timeout							Both	No	Yes	Yes	Yes
Ssl_finished_accepts							Global	No	Yes	Yes	Yes
Ssl_finished_connects							Global	No	Yes	Yes	Yes
ssl-key	5.0.23, 5.1.11		Yes	Yes			Global	No	Yes	Yes	Yes
Ssl_session_cache_hits							Global	No	Yes	Yes	Yes
Ssl_session_cache_misses							Global	No	Yes	Yes	Yes
Ssl_session_cache_mode							Global	No	Yes	Yes	Yes
Ssl_session_cache_overflows							Global	No	Yes	Yes	Yes

Name	Intr	Depr	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.0	5.1	6.0
Ssl_session_cache_size							Global	No	Yes	Yes	Yes
Ssl_session_cache_timeouts							Global	No	Yes	Yes	Yes
Ssl_sessions_reused							Both	No	Yes	Yes	Yes
Ssl_used_session_cache_entries							Global	No	Yes	Yes	Yes
Ssl_verify_depth							Both	No	Yes	Yes	Yes
Ssl_verify_mode							Both	No	Yes	Yes	Yes
ssl-verify-server-cert	5.1.11		Yes	Yes						Yes	Yes
Ssl_version							Both	No	Yes	Yes	Yes
standalone			Yes	Yes					Yes	Yes	Yes
storage_engine	4.1.2						Both	Yes	Yes	Yes	Yes
symbolic-links			Yes	Yes					Yes	Yes	Yes
sync-bdb-logs			Yes	Yes			Global	No	Yes		
sync-binlog	4.1.3, 5.0.1		Yes	Yes			Global	Yes	Yes	Yes	Yes
sync_frm			Yes	Yes			Global	Yes	Yes	Yes	Yes
sync-master-info	6.0.11		Yes	Yes			Global	Yes			Yes
sync-relay-log	6.0.10		Yes	Yes			Global	Yes			Yes
sync-relay-log-info	6.0.11		Yes	Yes			Global	Yes			Yes
sysdate-is-now	5.0.20, 5.1.8		Yes	Yes					Yes	Yes	Yes
system_time_zone	4.1.3						Global	No	Yes	Yes	Yes
table_cache		5.1.3	Yes	Yes			Global	Yes		Yes	
table_definition_cache	5.1.3		Yes	Yes			Global	Yes		Yes	Yes
table_lock_wait_timeout	5.0.10		Yes	Yes			Global	Yes	Yes	Yes	Yes
Table_locks_immediate							Global	No	Yes	Yes	Yes
Table_locks_waited							Global	No	Yes	Yes	Yes
table_open_cache	5.1.3		Yes	Yes			Global	Yes	Yes	Yes	Yes
table_type	4.1.2	5.2.5					Both	Yes	Yes	Yes	
tc-heuristic-recover	5.0.3		Yes	Yes					Yes	Yes	Yes
Tc_log_max_pages_used	5.0.3						Global	No	Yes	Yes	Yes
Tc_log_page_size	5.0.3						Global	No	Yes	Yes	Yes
Tc_log_page_waits	5.0.3						Global	No	Yes	Yes	Yes
temp-pool			Yes	Yes					Yes	Yes	Yes
thread_cache_size			Yes	Yes			Global	Yes	Yes	Yes	Yes
thread_concurrency			Yes	Yes			Global	No	Yes	Yes	Yes
thread_handling	5.1.17		Yes	Yes			Global	No		Yes	Yes
thread_pool_size	6.0.4		Yes	Yes			Global	No			Yes
thread_stack			Yes	Yes			Global	No	Yes	Yes	Yes
Threads_cached							Global	No	Yes	Yes	Yes
Threads_connected							Global	No	Yes	Yes	Yes
Threads_created							Global	No	Yes	Yes	Yes
Threads_running							Global	No	Yes	Yes	Yes
time_format			Yes	Yes			Both	Yes	Yes	Yes	Yes
time_zone			Yes	Yes			Both	Yes	Yes	Yes	Yes
timed_mutexes	5.0.3		Yes	Yes			Global	Yes	Yes	Yes	Yes
timestamp							Session	Yes	Yes	Yes	Yes
tmp_table_size			Yes	Yes			Both	Yes	Yes	Yes	Yes
tmpdir			Yes	Yes			Global	No	Yes	Yes	Yes
transaction_alloc_block_size			Yes	Yes			Both	Yes	Yes	Yes	Yes

Name	Intr	Depr	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.0	5.1	6.0
<code>transaction_allow_batching</code>	5.1.23-nd b-6.3.7						Session	Yes		Yes	
<code>transaction-isolation</code>			Yes	Yes					Yes	Yes	Yes
<code>transaction_prealloc_size</code>			Yes	Yes			Both	Yes	Yes	Yes	Yes
<code>tx_isolation</code>							Both	Yes	Yes	Yes	Yes
<code>unique_checks</code>							Session	Yes	Yes	Yes	Yes
<code>updatable_views_with_limit</code>	5.0.2		Yes	Yes			Both	Yes	Yes	Yes	Yes
<code>Uptime</code>							Global	No	Yes	Yes	Yes
<code>Uptime_since_flush_status</code>	5.0.35, 5.1.24, 6.0.5						Global	No	Yes	Yes	Yes
<code>use-symbolic-links</code>		5.0	Yes	Yes						Yes	Yes
<code>user</code>			Yes	Yes					Yes	Yes	Yes
<code>verbose</code>			Yes	Yes					Yes	Yes	Yes
<code>version</code>			Yes	Yes			Global	No	Yes	Yes	Yes
<code>version_comment</code>							Global	No	Yes	Yes	Yes
<code>version_compile_machine</code>							Global	No	Yes	Yes	Yes
<code>version_compile_os</code>							Global	No	Yes	Yes	Yes
<code>wait_timeout</code>			Yes	Yes			Both	Yes	Yes	Yes	Yes
<code>warning_count</code>							Session	No	Yes	Yes	Yes
<code>warnings</code>		5.0	Yes	Yes					Yes		

1.1. Option/Variable Changes for `mysqld` 5.0

The list below details the changes in specific options/variables within MySQL 5.0

- **`Compression`**

Value parameters were changed from version (5.0.16)

- Default is now not specified, minimum is not specified, maximum is not specified

- **`Handler_prepare`**

Value parameters were changed from version (5.0.3)

- Default is now not specified, minimum is not specified, maximum is not specified

- **`Last_query_cost`**

Value parameters were changed from version (5.0.7)

- Default is now -1, minimum is not specified, maximum is not specified

Value parameters were changed from version (5.0.7)

- Default is now not specified, minimum is not specified, maximum is not specified

- **`concurrent_insert`**

Value parameters were changed from version (5.0.5)

- Default is now TRUE

Value parameters were changed from version (5.0.6)

- Default is now 1, minimum is not specified, maximum is not specified

- **`connect_timeout`**

Value parameters were changed from version (5.0.51)

- Default is now 5, minimum is not specified, maximum is not specified

Value parameters were changed from version (5.0.52)

- Default is now 10, minimum is not specified, maximum is not specified

- **default-character-set**

Deprecated from version 5.0

- **default-table-type**

Deprecated and replaced with `default-storage-engine` from version 5.0

- **engine-condition-pushdown**

Value parameters were changed from version (5.0.3)

- Default is now OFF

- **innodb_log_arch_dir**

Deprecated from version 5.0.24

- **innodb_safe_binlog**

Deprecated from version 5.0.3

- **innodb_thread_concurrency**

Value parameters were changed from version (5.0.9)

- Default is now 20, minimum is not specified, maximum is not specified

Value parameters were changed from version (5.0.19)

- Default is now 8, minimum is not specified, maximum is not specified

- **innodb_thread_sleep_delay**

Value parameters were changed from version (5.0.18)

- Default is now not specified, minimum is not specified, maximum is not specified

Value parameters were changed from version (5.0.20)

- Default is now not specified, minimum is not specified, maximum is not specified

Value parameters were changed from version (5.0.21)

- Default is now 8, minimum is not specified, maximum is not specified

- **log-bin-trust-routine-creators**

Deprecated and replaced with `log-bin-trust-function-creators` from version 5.0.16

- **log-update**

Deprecated and replaced with `log-bin` from version 5.0

- **long_query_time**

Value parameters were changed from version (5.0.20)

- Default is now 10, minimum is not specified, maximum is not specified

- **myisam_data_pointer_size**

Value parameters were changed from version (5.0.5)

- Default is now 4, minimum is not specified, maximum is not specified
Value parameters were changed from version (5.0.6)
- Default is now 6, minimum is not specified, maximum is not specified
- **myisam_max_extra_sort_file_size**
Deprecated from version 5.0.6
Value parameters were changed from version (5.0.6)
 - Default is now 2147483648, minimum is not specified, maximum is not specified
- **ndb-nodeid**
Value parameters were changed from version (5.0.45)
 - Default is now not specified, minimum is not specified, maximum is not specified
- **ndb_autoincrement_prefetch_sz**
Value parameters were changed from version (5.0.54)
 - Default is now 32, minimum is not specified, maximum is not specified
 Value parameters were changed from version (5.0.56)
 - Default is now 1, minimum is not specified, maximum is not specified
- **range_alloc_block_size**
Value parameters were changed from version (5.0.54)
 - Default is now 4096, minimum is not specified, maximum is not specified
- **safe-mode**
Deprecated from version 5.0
- **set-variable**
Deprecated from version 5.0
- **sql_log_update**
Deprecated and replaced with `sql_log_bin` from version 5.0
- **use-symbolic-links**
Deprecated and replaced with `symbolic-links` from version 5.0
- **warnings**
Deprecated and replaced with `log-warnings` from version 5.0

1.2. Option/Variable Changes for `mysqld` 5.1

The list below details the changes in specific options/variables within MySQL 5.1

- **bdb-data-direct**
Value parameters were changed from version (5.1.4)
 - Default is now not specified
- **bdb-log-direct**
Value parameters were changed from version (5.1.4)

- Default is now not specified
- **binlog-format**
Value parameters were changed from version (5.1.7)
 - Default is now STATEMENT
 Value parameters were changed from version (5.1.11)
 - Default is now STATEMENT
 Value parameters were changed from version (5.1.28)
 - Default is now MIXED
 Value parameters were changed from version (5.1.29)
 - Default is now STATEMENT
- **connect_timeout**
Value parameters were changed from version (5.1.22)
 - Default is now 5, minimum is not specified, maximum is not specified
 Value parameters were changed from version (5.1.23)
 - Default is now 10, minimum is not specified, maximum is not specified
- **have_partition_engine**
Deprecated and replaced with [have_partitioning](#) from version 5.1.6
Value parameters were changed from version (5.1.6)
 - Default is now not specified
- **log**
Deprecated and replaced with [general-log](#) from version 5.1.29
- **log-queries-not-using-indexes**
Deprecated and replaced with [slow-query-log](#) from version 5.1.29
- **long_query_time**
Value parameters were changed from version (5.1.21)
 - Default is now 10, minimum is not specified, maximum is not specified
- **master-connect-retry**
Deprecated from version 5.1.17
- **master-host**
Deprecated from version 5.1.17
- **master-password**
Deprecated from version 5.1.17
- **master-port**
Deprecated from version 5.1.17
- **master-ssl**
Deprecated from version 5.1.17

- **master-ssl-ca**
Deprecated from version 5.1.17
- **master-ssl-capath**
Deprecated from version 5.1.17
- **master-ssl-cert**
Deprecated from version 5.1.17
- **master-ssl-cipher**
Deprecated from version 5.1.17
- **master-ssl-key**
Deprecated from version 5.1.17
- **master-user**
Deprecated from version 5.1.17
- **max_connections**
Value parameters were changed from version (5.1.14)
 - Default is now 100, minimum is not specified, maximum is not specified
 Value parameters were changed from version (5.1.15)
 - Default is now 151, minimum is not specified, maximum is not specified
 Value parameters were changed from version (5.1.17)
 - Default is now 151, minimum is not specified, maximum is not specified
- **ndb-nodeid**
Value parameters were changed from version (5.1.5)
 - Default is now not specified, minimum is not specified, maximum is not specified
- **ndb_autoincrement_prefetch_sz**
Value parameters were changed from version (5.1.22)
 - Default is now 32, minimum is not specified, maximum is not specified
 Value parameters were changed from version (5.1.23)
 - Default is now 1, minimum is not specified, maximum is not specified
- **skip-thread-priority**
Deprecated from version 5.1.29
- **table_cache**
Deprecated and replaced with `table_open_cache` from version 5.1.3
- **table_definition_cache**
Value parameters were changed from version (5.1.24)
 - Default is now 128, minimum is not specified, maximum is not specified
 Value parameters were changed from version (5.1.25)
 - Default is now 256, minimum is not specified, maximum is not specified

1.3. Option/Variable Changes for mysqlld 6.0

The list below details the changes in specific options/variables within MySQL 6.0

- **Slave_running**

Value parameters were changed from version (6.0.10)

- Default is now not specified

Value parameters were changed from version (6.0.11)

- Default is now not specified

- **falcon_index_chill_threshold**

Value parameters were changed from version (6.0.6)

- Default is now 4, minimum is not specified, maximum is not specified

Value parameters were changed from version (6.0.7)

- Default is now 4194304, minimum is not specified, maximum is not specified

- **falcon_page_cache_size**

Value parameters were changed from version (6.0.9)

- Default is now 4194304, minimum is not specified, maximum is not specified

Value parameters were changed from version (6.0.10)

- Default is now 262144000, minimum is not specified, maximum is not specified

- **falcon_page_size**

Value parameters were changed from version (6.0.5)

- Default is now 4096, minimum is not specified, maximum is not specified

Value parameters were changed from version (6.0.6)

- Default is now 4096, minimum is not specified, maximum is not specified

- **falcon_record_chill_threshold**

Value parameters were changed from version (6.0.6)

- Default is now 5, minimum is not specified, maximum is not specified

Value parameters were changed from version (6.0.7)

- Default is now 5242880, minimum is not specified, maximum is not specified

- **falcon_record_memory_max**

Value parameters were changed from version (6.0.8)

- Default is now 20, minimum is not specified, maximum is not specified

Value parameters were changed from version (6.0.9)

- Default is now 262144000, minimum is not specified, maximum is not specified

- **falcon_record_scavenge_floor**

Value parameters were changed from version (6.0.9)

- Default is now 50, minimum is not specified, maximum is not specified

Value parameters were changed from version (6.0.10)

- Default is now 80, minimum is not specified, maximum is not specified
- **falcon_record_scavenge_threshold**
Value parameters were changed from version (6.0.10)
 - Default is now 90, minimum is not specified, maximum is not specified
- **join_buffer_size**
Value parameters were changed from version (6.0.8)
 - Default is now 131072, minimum is not specified, maximum is not specified
 Value parameters were changed from version (6.0.9)
 - Default is now 131072, minimum is not specified, maximum is not specified
- **long_query_time**
Value parameters were changed from version (6.0.3)
 - Default is now 10, minimum is not specified, maximum is not specified
 Value parameters were changed from version (6.0.4)
 - Default is now 10, minimum is not specified, maximum is not specified
- **optimizer_switch**
Value parameters were changed from version (6.0.10)
 - Default is now "
 Value parameters were changed from version (6.0.11)
 - Default is now not specified
- **sync-master-info**
Value parameters were changed from version (6.0.11)
 - Default is now not specified, minimum is not specified, maximum is not specified
- **sync-relay-log**
Value parameters were changed from version (6.0.10)
 - Default is now not specified, minimum is not specified, maximum is not specified
- **sync-relay-log-info**
Value parameters were changed from version (6.0.11)
 - Default is now not specified, minimum is not specified, maximum is not specified
- **table_definition_cache**
Value parameters were changed from version (6.0.5)
 - Default is now 128, minimum is not specified, maximum is not specified
 Value parameters were changed from version (6.0.6)
 - Default is now 256, minimum is not specified, maximum is not specified
- **thread_handling**
Value parameters were changed from version (6.0.3)
 - Default is now not specified

Value parameters were changed from version (6.0.4)

- Default is now not specified

Chapter 2. Reserved Words

This section contains information on the reserved words within the server when creating and submitting queries to the system. For more information on reserved words and their impact on your queries, see [Reserved Words](#).

2.1. Reserved Words in MySQL 5.0

The following table shows the reserved words in MySQL 5.0.

ADD	ALL	ALTER
ANALYZE	AND	AS
ASC	ASENSITIVE	BEFORE
BETWEEN	BIGINT	BINARY
BLOB	BOTH	BY
CALL	CASCADE	CASE
CHANGE	CHAR	CHARACTER
CHECK	COLLATE	COLUMN
COLUMNS ^a	CONDITION	CONNECTION ^b
CONSTRAINT	CONTINUE	CONVERT
CREATE	CROSS	CURRENT_DATE
CURRENT_TIME	CURRENT_TIMESTAMP	CURRENT_USER
CURSOR	DATABASE	DATABASES
DAY_HOUR	DAY_MICROSECOND	DAY_MINUTE
DAY_SECOND	DEC	DECIMAL
DECLARE	DEFAULT	DELAYED
DELETE	DESC	DESCRIBE
DETERMINISTIC	DISTINCT	DISTINCTROW
DIV	DOUBLE	DROP
DUAL	EACH	ELSE
ELSEIF	ENCLOSED	ESCAPED
EXISTS	EXIT	EXPLAIN
FALSE	FETCH	FIELDS ^c
FLOAT	FLOAT4	FLOAT8
FOR	FORCE	FOREIGN
FROM	FULLTEXT	GOTO ^d
GRANT	GROUP	HAVING
HIGH_PRIORITY	HOURL_MICROSECOND	HOURL_MINUTE
HOURL_SECOND	IF	IGNORE
IN	INDEX	INFILE
INNER	INOUT	INSENSITIVE
INSERT	INT	INT1
INT2	INT3	INT4
INT8	INTEGER	INTERVAL
INTO	IS	ITERATE
JOIN	KEY	KEYS
KILL	LABEL ^e	LEADING
LEAVE	LEFT	LIKE
LIMIT	LINES	LOAD
LOCALTIME	LOCALTIMESTAMP	LOCK
LONG	LONGBLOB	LONGTEXT

Reserved Words

LOOP	LOW_PRIORITY	MATCH
MEDIUMBLOB	MEDIUMINT	MEDIUMTEXT
MIDDLEINT	MINUTE_MICROSECOND	MINUTE_SECOND
MOD	MODIFIES	NATURAL
NOT	NO_WRITE_TO_BINLOG	NULL
NUMERIC	ON	OPTIMIZE
OPTION	OPTIONALLY	OR
ORDER	OUT	OUTER
OUTFILE	PRECISION	PRIMARY
PRIVILEGES ^f	PROCEDURE	PURGE
READ	READS	REAL
REFERENCES	REGEXP	RELEASE ^g
RENAME	REPEAT	REPLACE
REQUIRE	RESTRICT	RETURN
REVOKE	RIGHT	RLIKE
SCHEMA	SCHEMAS	SECOND_MICROSECOND
SELECT	SENSITIVE	SEPARATOR
SET	SHOW	SMALLINT
SONAME	SPATIAL	SPECIFIC
SQL	SQLEXCEPTION	SQLSTATE
SQLWARNING	SQL_BIG_RESULT	SQL_CALC_FOUND_ROWS
SQL_SMALL_RESULT	SSL	STARTING
STRAIGHT_JOIN	TABLE	TABLES ^h
TERMINATED	THEN	TINYBLOB
TINYINT	TINYTEXT	TO
TRAILING	TRIGGER	TRUE
UNDO	UNION	UNIQUE
UNLOCK	UNSIGNED	UPDATE
UPGRADE ⁱ	USAGE	USE
USING	UTC_DATE	UTC_TIME
UTC_TIMESTAMP	VALUES	VARBINARY
VARCHAR	VARCHARACTER	VARYING
WHEN	WHERE	WHILE
WITH	WRITE	XOR
YEAR_MONTH	ZEROFILL	

^aCOLUMNS not reserved in: 5.0.81, 5.0.3-5.0.81

^bCONNECTION not reserved in: 5.0.81, 5.0.38-5.0.81

^cFIELDS not reserved in: 5.0.81, 5.0.3-5.0.81

^dGOTO not reserved in: 5.0.81, 5.0.21-5.0.81

^eLABEL not reserved in: 5.0.2-5.0.6, 5.0.21-5.0.81

^fPRIVILEGES not reserved in: 5.0.81, 5.0.3-5.0.81

^gRELEASE not reserved in: 5.0.2

^hTABLES not reserved in: 5.0.81, 5.0.3-5.0.81

ⁱUPGRADE not reserved in: 5.0.2-5.0.18, 5.0.26-5.0.81

2.2. Reserved Words in MySQL 5.1

The following table shows the reserved words in MySQL 5.1.

ACCESSIBLE ^a	ADD	ALL
ALTER	ANALYZE	AND
AS	ASC	ASENSITIVE
BEFORE	BETWEEN	BIGINT

Reserved Words

BINARY	BLOB	BOTH
BY	CALL	CASCADE
CASE	CHANGE	CHAR
CHARACTER	CHECK	COLLATE
COLUMN	CONDITION	CONNECTION ^b
CONSTRAINT	CONTINUE	CONVERT
CREATE	CROSS	CURRENT_DATE
CURRENT_TIME	CURRENT_TIMESTAMP	CURRENT_USER
CURSOR	DATABASE	DATABASES
DAY_HOUR	DAY_MICROSECOND	DAY_MINUTE
DAY_SECOND	DEC	DECIMAL
DECLARE	DEFAULT	DELAYED
DELETE	DESC	DESCRIBE
DETERMINISTIC	DISTINCT	DISTINCTROW
DIV	DOUBLE	DROP
DUAL	EACH	ELSE
ELSEIF	ENCLOSED	ESCAPED
EXISTS	EXIT	EXPLAIN
FALSE	FETCH	FLOAT
FLOAT4	FLOAT8	FOR
FORCE	FOREIGN	FROM
FULLTEXT	GOTO ^c	GRANT
GROUP	HAVING	HIGH_PRIORITY
HOURL_MICROSECOND	HOURL_MINUTE	HOURL_SECOND
IF	IGNORE	IN
INDEX	INFILE	INNER
INOUT	INSENSITIVE	INSERT
INT	INT1	INT2
INT3	INT4	INT8
INTEGER	INTERVAL	INTO
IS	ITERATE	JOIN
KEY	KEYS	KILL
LABEL ^d	LEADING	LEAVE
LEFT	LIKE	LIMIT
LINEAR	LINES	LOAD
LOCALTIME	LOCALTIMESTAMP	LOCK
LONG	LONGBLOB	LONGTEXT
LOOP	LOW_PRIORITY	MAS- TER_SSL_VERIFY_SERVER_CERT ^e
MATCH	MEDIUMBLOB	MEDIUMINT
MEDIUMTEXT	MIDDLEINT	MINUTE_MICROSECOND
MINUTE_SECOND	MOD	MODIFIES
NATURAL	NOT	NO_WRITE_TO_BINLOG
NULL	NUMERIC	ON
OPTIMIZE	OPTION	OPTIONALLY
OR	ORDER	OUT
OUTER	OUTFILE	PRECISION
PRIMARY	PROCEDURE	PURGE
RANGE	READ	READS

Reserved Words

READ_ONLY ^f	READ_WRITE ^g	REAL
REFERENCES	REGEXP	RELEASE
RENAME	REPEAT	REPLACE
REQUIRE	RESTRICT	RETURN
REVOKE	RIGHT	RLIKE
SCHEMA	SCHEMAS	SECOND_MICROSECOND
SELECT	SENSITIVE	SEPARATOR
SET	SHOW	SMALLINT
SPATIAL	SPECIFIC	SQL
SQLEXCEPTION	SQLSTATE	SQLWARNING
SQL_BIG_RESULT	SQL_CALC_FOUND_ROWS	SQL_SMALL_RESULT
SSL	STARTING	STRAIGHT_JOIN
TABLE	TERMINATED	THEN
TINYBLOB	TINYINT	TINYTEXT
TO	TRAILING	TRIGGER
TRUE	UNDO	UNION
UNIQUE	UNLOCK	UNSIGNED
UPDATE	UPGRADE ^h	USAGE
USE	USING	UTC_DATE
UTC_TIME	UTC_TIMESTAMP	VALUES
VARBINARY	VARCHAR	VARCHARACTER
VARYING	WHEN	WHERE
WHILE	WITH	WRITE
XOR	YEAR_MONTH	ZEROFILL

^aACCESSIBLE not reserved in: 5.1.3-5.1.5

^bCONNECTION not reserved in: 5.1.34, 5.1.16-5.1.34

^cGOTO not reserved in: 5.1.34, 5.1.11-5.1.34

^dLABEL not reserved in: 5.1.34, 5.1.11-5.1.34

^eMASTER_SSL_VERIFY_SERVER_CERT not reserved in: 5.1.3-5.1.17

^fREAD_ONLY not reserved in: 5.1.3-5.1.5, 5.1.24-5.1.34

^gREAD_WRITE not reserved in: 5.1.3-5.1.5

^hUPGRADE not reserved in: 5.1.3-5.1.6, 5.1.12-5.1.34

The following are new reserved words in MySQL 5.1:

ACCESSIBLE	LINEAR	MAS- TER_SSL_VERIFY_SERVER_CERT
RANGE	READ_ONLY	READ_WRITE

2.3. Reserved Words in MySQL 5.4

The following table shows the reserved words in MySQL 5.4.

ACCESSIBLE	ADD	ALL
ALTER	ANALYZE	AND
AS	ASC	ASENSITIVE
BEFORE	BETWEEN	BIGINT
BINARY	BLOB	BOTH
BY	CALL	CASCADE
CASE	CHANGE	CHAR
CHARACTER	CHECK	COLLATE
COLUMN	CONDITION	CONSTRAINT
CONTINUE	CONVERT	CREATE

Reserved Words

CROSS	CURRENT_DATE	CURRENT_TIME
CURRENT_TIMESTAMP	CURRENT_USER	CURSOR
DATABASE	DATABASES	DAY_HOUR
DAY_MICROSECOND	DAY_MINUTE	DAY_SECOND
DEC	DECIMAL	DECLARE
DEFAULT	DELAYED	DELETE
DESC	DESCRIBE	DETERMINISTIC
DISTINCT	DISTINCTROW	DIV
DOUBLE	DROP	DUAL
EACH	ELSE	ELSEIF
ENCLOSED	ESCAPED	EXISTS
EXIT	EXPLAIN	FALSE
FETCH	FLOAT	FLOAT4
FLOAT8	FOR	FORCE
FOREIGN	FROM	FULLTEXT
GRANT	GROUP	HAVING
HIGH_PRIORITY	HOURL_MICROSECOND	HOURL_MINUTE
HOURL_SECOND	IF	IGNORE
IN	INDEX	INFILE
INNER	INOUT	INSENSITIVE
INSERT	INT	INT1
INT2	INT3	INT4
INT8	INTEGER	INTERVAL
INTO	IS	ITERATE
JOIN	KEY	KEYS
KILL	LEADING	LEAVE
LEFT	LIKE	LIMIT
LINEAR	LINES	LOAD
LOCALTIME	LOCALTIMESTAMP	LOCK
LONG	LONGBLOB	LONGTEXT
LOOP	LOW_PRIORITY	MAS- TER_SSL_VERIFY_SERVER_CERT
MATCH	MEDIUMBLOB	MEDIUMINT
MEDIUMTEXT	MIDDLEINT	MINUTE_MICROSECOND
MINUTE_SECOND	MOD	MODIFIES
NATURAL	NOT	NO_WRITE_TO_BINLOG
NULL	NUMERIC	ON
OPTIMIZE	OPTION	OPTIONALLY
OR	ORDER	OUT
OUTER	OUTFILE	PRECISION
PRIMARY	PROCEDURE	PURGE
RANGE	READ	READS
READ_WRITE	REAL	REFERENCES
REGEXP	RELEASE	RENAME
REPEAT	REPLACE	REQUIRE
RESTRICT	RETURN	REVOKE
RIGHT	RLIKE	SCHEMA
SCHEMAS	SECOND_MICROSECOND	SELECT
SENSITIVE	SEPARATOR	SET

Reserved Words

SHOW	SMALLINT	SPATIAL
SPECIFIC	SQL	SQLEXCEPTION
SQLSTATE	SQLWARNING	SQL_BIG_RESULT
SQL_CALC_FOUND_ROWS	SQL_SMALL_RESULT	SSL
STARTING	STRAIGHT_JOIN	TABLE
TERMINATED	THEN	TINYBLOB
TINYINT	TINYTEXT	TO
TRAILING	TRIGGER	TRUE
UNDO	UNION	UNIQUE
UNLOCK	UNSIGNED	UPDATE
USAGE	USE	USING
UTC_DATE	UTC_TIME	UTC_TIMESTAMP
VALUES	VARBINARY	VARCHAR
VARCHARACTER	VARYING	WHEN
WHERE	WHILE	WITH
WRITE	XOR	YEAR_MONTH
ZEROFILL		

No new reserved words between MySQL 5.1 and 5.4.

2.4. Reserved Words in MySQL 6.0

The following table shows the reserved words in MySQL 6.0.

ACCESSIBLE	ADD	ALL
ALTER	ANALYZE	AND
AS	ASC	ASENSITIVE
BEFORE	BETWEEN	BIGINT
BINARY	BLOB	BOTH
BY	CALL	CASCADE
CASE	CHANGE	CHAR
CHARACTER	CHECK	COLLATE
COLUMN	CONDITION	CONSTRAINT
CONTINUE	CONVERT	CREATE
CROSS	CURRENT_DATE	CURRENT_TIME
CURRENT_TIMESTAMP	CURRENT_USER	CURSOR
DATABASE	DATABASES	DAY_HOUR
DAY_MICROSECOND	DAY_MINUTE	DAY_SECOND
DEC	DECIMAL	DECLARE
DEFAULT	DELAYED	DELETE
DESC	DESCRIBE	DETERMINISTIC
DISTINCT	DISTINCTROW	DIV
DOUBLE	DROP	DUAL
EACH	ELSE	ELSEIF
ENCLOSED	ESCAPED	EXISTS
EXIT	EXPLAIN	FALSE
FETCH	FLOAT	FLOAT4
FLOAT8	FOR	FORCE
FOREIGN	FROM	FULLTEXT
GRANT	GROUP	HAVING

Reserved Words

HIGH_PRIORITY	HOURL_MICROSECOND	HOURL_MINUTE
HOURL_SECOND	IF	IGNORE
IGNORE_SERVER_IDS ^a	IN	INDEX
INFILE	INNER	INOUT
INSENSITIVE	INSERT	INT
INT1	INT2	INT3
INT4	INT8	INTEGER
INTERVAL	INTO	IS
ITERATE	JOIN	KEY
KEYS	KILL	LEADING
LEAVE	LEFT	LIKE
LIMIT	LINEAR	LINES
LOAD	LOCALTIME	LOCALTIMESTAMP
LOCK	LONG	LOB
LOBTEXT	LOOP	LOW_PRIORITY
MASTER_HEARTBEAT_PERIOD ^b	MASTER_SSL_VERIFY_SERVER_CERT ^c	MATCH
MEDIUMLOB	MEDIUMINT	MEDIUMTEXT
MIDDLEINT	MINUTE_MICROSECOND	MINUTE_SECOND
MOD	MODIFIES	NATURAL
NOT	NO_WRITE_TO_BINLOG	NULL
NUMERIC	ON	OPTIMIZE
OPTION	OPTIONALLY	OR
ORDER	OUT	OUTER
OUTFILE	OVERWRITE ^d	PRECISION
PRIMARY	PROCEDURE	PURGE
RANGE	READ	READS
READ_ONLY ^e	READ_WRITE	REAL
REFERENCES	REGEXP	RELEASE
RENAME	REPEAT	REPLACE
REQUIRE	RESTRICT	RETURN
REVOKE	RIGHT	RLIKE
SCHEMA	SCHEMAS	SECOND_MICROSECOND
SELECT	SENSITIVE	SEPARATOR
SET	SHOW	SMALLINT
SPATIAL	SPECIFIC	SQL
SQL_EXCEPTION	SQLSTATE	SQLWARNING
SQL_BIG_RESULT	SQL_CALC_FOUND_ROWS	SQL_SMALL_RESULT
SSL	STARTING	STRAIGHT_JOIN
TABLE	TERMINATED	THEN
TINYLOB	TINYINT	TINYTEXT
TO	TRAILING	TRIGGER
TRUE	UNDO	UNION
UNIQUE	UNLOCK	UNSIGNED
UPDATE	USAGE	USE
USING	UTC_DATE	UTC_TIME
UTC_TIMESTAMP	VALUES	VARBINARY
VARCHAR	VARCHARACTER	VARYING
WHEN	WHERE	WHILE

Reserved Words

WITH	WRITE	XOR
YEAR_MONTH	ZEROFILL	

^aIGNORE_SERVER_IDS not reserved in: 6.0.0-6.0.9

^bMASTER_HEARTBEAT_PERIOD not reserved in: 6.0.0-6.0.4

^cMASTER_SSL_VERIFY_SERVER_CERT not reserved in: 6.0.0

^dOVERWRITE not reserved in: 6.0.0-6.0.8

^eREAD_ONLY not reserved in: 6.0.10, 6.0.5-6.0.10

The following are new reserved words in MySQL 6.0:

IGNORE_SERVER_IDS	MASTER_HEARTBEAT_PERIOD	OVERWRITE
READ_ONLY		

Chapter 3. Functions and Operators

The following table provides a list of all the functions and operators supported across all MySQL 5.0, 5.1 and 6.0.

Name	Introduced	Deprecated	5.0	5.1	6.0
ABS()			yes	yes	yes
ACOS()			yes	yes	yes
ADDDATE()	v4.1.1		yes	yes	yes
ADDTIME()	v4.1.1		yes	yes	yes
AES_DECRYPT()			yes	yes	yes
AES_ENCRYPT()			yes	yes	yes
AND, &&			yes	yes	yes
ASCII()			yes	yes	yes
ASIN()			yes	yes	yes
ATAN2(), ATAN()			yes	yes	yes
ATAN()			yes	yes	yes
AVG()			yes	yes	yes
BENCHMARK()			yes	yes	yes
BETWEEN ... AND ...			yes	yes	yes
BIN()			yes	yes	yes
BINARY			yes	yes	yes
BIT_AND()			yes	yes	yes
BIT_COUNT()			yes	yes	yes
BIT_LENGTH()			yes	yes	yes
BIT_OR()			yes	yes	yes
BIT_XOR()	v4.1.1		yes	yes	yes
&			yes	yes	yes
~			yes	yes	yes
			yes	yes	yes
^			yes	yes	yes
CASE			yes	yes	yes
CAST()			yes	yes	yes
CEIL()			yes	yes	yes
CEILING()			yes	yes	yes
CHAR_LENGTH()			yes	yes	yes
CHAR()			yes	yes	yes
CHARACTER_LENGTH()			yes	yes	yes
CHARSET()	v4.1.0		yes	yes	yes
COALESCE()			yes	yes	yes
COERCIBILITY()	v4.1.1		yes	yes	yes
COLLATION()	v4.1.0		yes	yes	yes
COMPRESS()	v4.1.1		yes	yes	yes
CONCAT_WS()			yes	yes	yes
CONCAT()			yes	yes	yes
CONNECTION_ID()			yes	yes	yes
CONV()			yes	yes	yes
CONVERT_TZ()	v4.1.3		yes	yes	yes
Convert()			yes	yes	yes
COS()			yes	yes	yes

Functions and Operators

Name	Introduced	Deprecated	5.0	5.1	6.0
COT ()			yes	yes	yes
COUNT (DISTINCT)			yes	yes	yes
COUNT ()			yes	yes	yes
CRC32 ()	v4.1.0		yes	yes	yes
CURDATE ()			yes	yes	yes
CURRENT_DATE (), CUR- RENT_DATE			yes	yes	yes
CURRENT_TIME (), CUR- RENT_TIME			yes	yes	yes
CURRENT_TIMESTAMP (), CUR- RENT_TIMESTAMP			yes	yes	yes
CURRENT_USER (), CUR- RENT_USER			yes	yes	yes
CURTIME ()			yes	yes	yes
DATABASE ()			yes	yes	yes
DATE_ADD ()			yes	yes	yes
DATE_FORMAT ()			yes	yes	yes
DATE_SUB ()			yes	yes	yes
DATE ()	v4.1.1		yes	yes	yes
DATEDIFF ()	v4.1.1		yes	yes	yes
DAY ()	v4.1.1		yes	yes	yes
DAYNAME ()	v4.1.21		yes	yes	yes
DAYOFMONTH ()			yes	yes	yes
DAYOFWEEK ()			yes	yes	yes
DAYOFYEAR ()			yes	yes	yes
DECODE ()			yes	yes	yes
DEFAULT ()			yes	yes	yes
DEGREES ()			yes	yes	yes
DES_DECRYPT ()			yes	yes	yes
DES_ENCRYPT ()			yes	yes	yes
DIV	v4.1.0		yes	yes	yes
/			yes	yes	yes
ELT ()			yes	yes	yes
ENCODE ()			yes	yes	yes
ENCRYPT ()			yes	yes	yes
<=>			yes	yes	yes
=			yes	yes	yes
EXP ()			yes	yes	yes
EXPORT_SET ()			yes	yes	yes
EXTRACT			yes	yes	yes
ExtractValue ()	v5.1.5			yes	yes
FIELD ()			yes	yes	yes
FIND_IN_SET ()			yes	yes	yes
FLOOR ()			yes	yes	yes
FORMAT ()			yes	yes	yes
FOUND_ROWS ()			yes	yes	yes
FROM_DAYS ()			yes	yes	yes
FROM_UNIXTIME ()			yes	yes	yes
GET_FORMAT ()	v4.1.1		yes	yes	yes

Name	Introduced	Deprecated	5.0	5.1	6.0
GET_LOCK ()			yes	yes	yes
>=			yes	yes	yes
>			yes	yes	yes
GREATEST ()			yes	yes	yes
GROUP_CONCAT ()	v4.1		yes	yes	yes
HEX ()			yes	yes	yes
HOUR ()			yes	yes	yes
IF ()			yes	yes	yes
IFNULL ()			yes	yes	yes
IN ()			yes	yes	yes
INET_ATON ()			yes	yes	yes
INET_NTOA ()			yes	yes	yes
INSERT ()			yes	yes	yes
INSTR ()			yes	yes	yes
INTERVAL ()			yes	yes	yes
IS_FREE_LOCK ()			yes	yes	yes
IS NOT NULL			yes	yes	yes
IS NOT			yes	yes	yes
IS NULL			yes	yes	yes
IS_USED_LOCK ()	v4.1.0		yes	yes	yes
IS			yes	yes	yes
ISNULL ()			yes	yes	yes
LAST_DAY	v4.1.1		yes	yes	yes
LAST_INSERT_ID ()			yes	yes	yes
LCASE ()			yes	yes	yes
LEAST ()			yes	yes	yes
<<			yes	yes	yes
LEFT ()			yes	yes	yes
LENGTH ()			yes	yes	yes
<=			yes	yes	yes
<			yes	yes	yes
LIKE			yes	yes	yes
LN ()			yes	yes	yes
LOAD_FILE ()			yes	yes	yes
LOCALTIME () , LOCALTIME			yes	yes	yes
LOCALTIMESTAMP , LOCAL-TIMESTAMP ()	v4.0.6		yes	yes	yes
LOCATE ()			yes	yes	yes
LOG10 ()			yes	yes	yes
LOG2 ()			yes	yes	yes
LOG ()			yes	yes	yes
LOWER ()			yes	yes	yes
LPAD ()			yes	yes	yes
LTRIM ()			yes	yes	yes
MAKE_SET ()			yes	yes	yes
MAKEDATE ()	v4.1.1		yes	yes	yes
MAKETIME	v4.1.1		yes	yes	yes
MASTER_POS_WAIT ()			yes	yes	yes

Name	Introduced	Deprecated	5.0	5.1	6.0
MATCH			yes	yes	yes
MAX()			yes	yes	yes
MD5()			yes	yes	yes
MICROSECOND()	v4.1.1		yes	yes	yes
MID()			yes	yes	yes
MIN()			yes	yes	yes
-			yes	yes	yes
MINUTE()			yes	yes	yes
MOD()			yes	yes	yes
%			yes	yes	yes
MONTH()			yes	yes	yes
MONTHNAME()	v4.1.21		yes	yes	yes
NAME_CONST()	v5.0.12		yes	yes	yes
NOT BETWEEN ... AND ...			yes	yes	yes
!=, <>			yes	yes	yes
NOT IN()			yes	yes	yes
NOT LIKE			yes	yes	yes
NOT REGEXP			yes	yes	yes
NOT, !			yes	yes	yes
NOW()			yes	yes	yes
NULLIF()			yes	yes	yes
OCT()			yes	yes	yes
OCTET_LENGTH()			yes	yes	yes
OLD_PASSWORD()	v4.1		yes	yes	yes
, OR			yes	yes	yes
ORD()			yes	yes	yes
PASSWORD()			yes	yes	yes
PERIOD_ADD()			yes	yes	yes
PERIOD_DIFF()			yes	yes	yes
PI()			yes	yes	yes
+			yes	yes	yes
POSITION()			yes	yes	yes
POW()			yes	yes	yes
POWER()			yes	yes	yes
PROCEDURE ANALYSE()			yes	yes	yes
QUARTER()			yes	yes	yes
QUOTE()			yes	yes	yes
RADIANS()			yes	yes	yes
RAND()			yes	yes	yes
REGEXP			yes	yes	yes
RELEASE_LOCK()			yes	yes	yes
REPEAT()			yes	yes	yes
REPLACE()			yes	yes	yes
REVERSE()			yes	yes	yes
>>			yes	yes	yes
RIGHT()			yes	yes	yes
RLIKE			yes	yes	yes

Functions and Operators

Name	Introduced	Deprecated	5.0	5.1	6.0
ROUND ()			yes	yes	yes
ROW_COUNT ()	v5.0.1		yes	yes	yes
RPAD ()			yes	yes	yes
RTRIM ()			yes	yes	yes
SCHEMA ()	v5.0.2		yes	yes	yes
SEC_TO_TIME ()			yes	yes	yes
SECOND ()			yes	yes	yes
SESSION_USER ()			yes	yes	yes
SHA1 (), SHA ()			yes	yes	yes
SHA2 ()	v6.0.5				yes
SIGN ()			yes	yes	yes
SIN ()			yes	yes	yes
SLEEP ()	v5.0.12		yes	yes	yes
SOUNDEX ()			yes	yes	yes
SOUNDS LIKE	v4.1.0		yes	yes	yes
SPACE ()			yes	yes	yes
SQRT ()			yes	yes	yes
STD ()			yes	yes	yes
STDDEV_POP ()	v5.0.3		yes	yes	yes
STDDEV_SAMP ()	v5.0.3		yes	yes	yes
STDDEV ()			yes	yes	yes
STR_TO_DATE ()	v4.1.1		yes	yes	yes
STRCMP ()			yes	yes	yes
SUBDATE ()			yes	yes	yes
SUBSTR ()			yes	yes	yes
SUBSTRING_INDEX ()			yes	yes	yes
SUBSTRING ()			yes	yes	yes
SUBTIME ()	v4.1.1		yes	yes	yes
SUM ()			yes	yes	yes
SYSDATE ()			yes	yes	yes
SYSTEM_USER ()			yes	yes	yes
TAN ()			yes	yes	yes
TIME_FORMAT ()			yes	yes	yes
TIME_TO_SEC ()			yes	yes	yes
TIME ()	v4.1.1		yes	yes	yes
TIMEDIFF ()	v4.1.1		yes	yes	yes
*			yes	yes	yes
TIMESTAMP ()	v4.1.1		yes	yes	yes
TIMESTAMPADD ()	v5.0.0		yes	yes	yes
TIMESTAMPDIFF ()	v5.0.0		yes	yes	yes
TO_DAYS ()			yes	yes	yes
TRIM ()			yes	yes	yes
TRUNCATE ()			yes	yes	yes
UCASE ()			yes	yes	yes
-			yes	yes	yes
UNCOMPRESS ()	v4.1.1		yes	yes	yes
UNCOMPRESSED_LENGTH ()	v4.1.1		yes	yes	yes

Name	Introduced	Deprecated	5.0	5.1	6.0
UNHEX ()	v4.1.2		yes	yes	yes
UNIX_TIMESTAMP ()			yes	yes	yes
UpdateXML ()	v5.1.5			yes	yes
UPPER ()			yes	yes	yes
USER ()			yes	yes	yes
UTC_DATE ()	v4.1.1		yes	yes	yes
UTC_TIME ()	v4.1.1		yes	yes	yes
UTC_TIMESTAMP ()	v4.1.1		yes	yes	yes
UUID_SHORT ()	v5.1.20			yes	yes
UUID ()	v4.1.2		yes	yes	yes
VALUES ()	v4.1.1		yes	yes	yes
VAR_POP ()	v5.0.3		yes	yes	yes
VAR_SAMP ()	v5.0.3		yes	yes	yes
VARIANCE ()	v4.1		yes	yes	yes
VERSION ()			yes	yes	yes
WEEK ()			yes	yes	yes
WEEKDAY ()			yes	yes	yes
WEEKOFYEAR ()	v4.1.1		yes	yes	yes
WEIGHT_STRING ()	v5.2.4				yes
XOR			yes	yes	yes
YEAR ()			yes	yes	yes
YEARWEEK ()			yes	yes	yes

Chapter 4. Build (`configure`) Options

The following table details all of the `configure` options available when building MySQL server from source. The table includes the following columns:

- **Formats** — the command line format for the configure option.
- **Description** — a short description of the option.
- **Default** — the default value.
- **Introduced** — the versions in which the option was introduced.
- **Removed** — the versions in which the option was removed.
- **5.0** — whether the option was available in the MySQL 5.0 release. If available, a link to the reference manual where more information can be located will be included.
- **5.1** — whether the option was available in the MySQL 5.1 release. If available, a link to the reference manual where more information can be located will be included.
- **6.0** — whether the option was available in the MySQL 6.0 release. If available, a link to the reference manual where more information can be located will be included.

Table 4.1. Build (`configure`) Reference

Formats	Description					
	Default Value	Introduced	Removed	5.0	5.1	6.0
--bindir=DIR	User executables					
	EPREFIX/bin			yes	yes	yes
--build=BUILD	Configure for building on BUILD					
	guessed			yes	yes	yes
--cache-file=FILE	Cache test results in FILE					
	disabled			yes	yes	yes
-C	Alias for `--cache-file=config.cache'					
				yes	yes	yes
--config-cache	Alias for `--cache-file=config.cache'					
				yes	yes	yes
--datadir=DIR	Read-only architecture-independent data					
	PREFIX/share			yes	yes	yes
--disable-FEATURE	Do not include FEATURE					
				yes	yes	yes
--disable-dependency-tracking	Disable dependency tracking					
				yes	yes	yes
--disable-grant-options	Disable GRANT options					
		5.0.34		yes	yes	yes
--disable-largefile	Omit support for large files					
				yes	yes	yes
--disable-libtool-lock	Disable libtool lock					
				yes	yes	yes
--disable-profiling	Build a version without query profiling code					
		5.0.37	5.0.45	yes		
--disable-thread-safe-client	Compile the client without threads					
		5.1.7			yes	yes

Formats	Description					
	Default Value	Introduced	Removed	5.0	5.1	6.0
--enable-FEATURE	Enable FEATURE					
				yes	yes	yes
--enable-assembler	Use assembler versions of some string functions if available					
				yes	yes	yes
--enable-debug-sync	Compile in Debug Sync facility					
		6.0.6				yes
--enable-dependency-tracking	Do not reject slow dependency extractors					
				yes	yes	yes
--enable-dtrace	Compile in DTrace support					
		6.0.4				yes
--enable-fast-install	Optimize for fast installation					
	yes			yes	yes	yes
--enable-local-infile	Enable LOAD DATA LOCAL INFILE					
	disabled			yes	yes	yes
--enable-shared	Build shared libraries					
	yes			yes	yes	yes
--enable-static	Build static libraries					
	yes			yes	yes	yes
--enable-thread-safe-client	Compile the client with threads					
			5.1.6	yes	yes	yes
--exec-prefix=EPREFIX	Install architecture-dependent files in EPREFIX					
				yes	yes	yes
-h	Display this help and exit					
				yes	yes	yes
--help	Display this help and exit					
				yes	yes	yes
--help=short	Display options specific to this package					
				yes	yes	yes
--help=recursive	Display the short help of all the included packages					
				yes	yes	yes
--host=HOST	Cross-compile to build programs to run on HOST					
				yes	yes	yes
--includedir=DIR	C header files					
	PREFIX/include			yes	yes	yes
--infodir=DIR	Info documentation					
	PREFIX/info			yes	yes	yes
--libdir=DIR	Object code libraries					
	EPREFIX/lib			yes	yes	yes
--libexecdir=DIR	Program executables					
	EPREFIX/libexec			yes	yes	yes
--localstatedir=DIR	Modifiable single-machine data					
	PREFIX/var			yes	yes	yes
--mandir=DIR	man documentation					
	PREFIX/man			yes	yes	yes
-n	Do not create output files					
				yes	yes	yes

Formats	Description					
	Default Value	Introduced	Removed	5.0	5.1	6.0
--no-create	Do not create output files					
				yes	yes	yes
--oldincludedir=DIR	C header files for non-gcc					
	/usr/include			yes	yes	yes
--prefix=PREFIX	Install architecture-independent files in PREFIX					
				yes	yes	yes
--program-prefix=PREFIX	Prepend PREFIX to installed program names					
				yes	yes	yes
--program-suffix=SUFFIX	Append SUFFIX to installed program names					
				yes	yes	yes
--program-transform-name=PROGRAM	run sed PROGRAM on installed program names					
				yes	yes	yes
-q	Do not print `checking...' messages					
				yes	yes	yes
--quiet	Do not print `checking...' messages					
				yes	yes	yes
--sbindir=DIR	System admin executables					
	EPREFIX/sbin			yes	yes	yes
--sharedstatedir=DIR	Modifiable architecture-independent data					
	PREFIX/com			yes	yes	yes
--srcdir=DIR	Find the sources in DIR					
	configure directory or ..			yes	yes	yes
--sysconfdir=DIR	Read-only single-machine data					
	PREFIX/etc			yes	yes	yes
--target=TARGET	Configure for building compilers for TARGET					
				yes	yes	yes
-V	Display version information and exit					
				yes	yes	yes
--version	Display version information and exit					
				yes	yes	yes
--with-PACKAGE	Use PACKAGE					
				yes	yes	yes
--with-archive-storage-engine	Enable the Archive Storage Engine					
	no		5.1.9	yes	yes	yes
--with-atomic-ops	Implement atomic operations using pthread rwlocks or atomic CPU instructions for multi-processor					
		5.1.12			yes	yes
--with-berkeley-db	Use BerkeleyDB located in DIR					
	no		5.1.11	yes	yes	
--with-berkeley-db-includes	Find Berkeley DB headers in DIR					
			5.1.11	yes	yes	yes
--with-berkeley-db-libs	Find Berkeley DB libraries in DIR					
			5.1.11	yes	yes	
--with-big-tables	Support tables with more than 4 G rows even on 32 bit platforms					
		5.0.4		yes	yes	yes
--with-blackhole-storage-engine	Enable the Blackhole Storage Engine					
	no	5.0.4	5.1.9	yes	yes	yes

Formats	Description					
	Default Value	Introduced	Removed	5.0	5.1	6.0
--with-charset	Default character set					
				yes	yes	yes
--with-client-ldflags	Extra linking arguments for clients					
				yes	yes	yes
--with-collation	Default collation					
				yes	yes	yes
--with-comment	Comment about compilation environment					
				yes	yes	yes
--with-csv-storage-engine	Enable the CSV Storage Engine					
	yes		5.1.9	yes	yes	yes
--with-darwin-mwcc	Use Metrowerks CodeWarrior wrappers on OS X/Darwin					
		5.0.6		yes	yes	yes
--with-debug	Add debug code					
		5.1.7			yes	yes
--with-debug=full	Add debug code (adds memory checker, very slow)					
		5.1.7			yes	yes
--with-embedded-privilege-control	Build parts to check user's privileges (only affects embedded library)					
				yes	yes	yes
--with-embedded-server	Build the embedded server					
				yes	yes	yes
--with-error-inject	Enable error injection in MySQL Server					
		5.1.11			yes	yes
--with-example-storage-engine	Enable the Example Storage Engine					
	no		5.1.9	yes	yes	yes
--with-extra-charsets	Use charsets in addition to default					
				yes	yes	yes
--with-fast-mutexes	Compile with fast mutexes					
	enabled	5.1.5			yes	yes
--with-federated-storage-engine	Enable federated storage engine					
	no	5.1.3	5.1.9		yes	yes
--with-gnu-ld	Assume the C compiler uses GNU ld					
	no			yes	yes	yes
--with-innodb	Enable innobase storage engine					
	no	5.1.3	5.1.9		yes	yes
--with-isam	Enable the ISAM table type					
			5.0.2	yes		
--with-lib-ccflags	Extra CC options for libraries					
				yes	yes	yes
--with-libevent	Include libevent for thread-pool support					
		6.0.4				yes
--with-libwrap=DIR	Compile in libwrap (tcp_wrappers) support					
				yes	yes	
--with-low-memory	Try to use less memory to compile to avoid memory limitations					
				yes	yes	yes
--with-machine-type	Set the machine type, like "powerpc"					
		5.0.44		yes	yes	yes

Formats	Description					
	Default Value	Introduced	Removed	5.0	5.1	6.0
--with-maria-temp-tables	Make the temporary tables within MySQL use the Maria storage engine					
		6.0.6, 5.1.24-maria				yes
--with-max-indexes=N	Sets the maximum number of indexes per table					
	64			yes	yes	yes
--with-mit-threads	Always use included thread lib					
			5.0.3	yes		
--with-mysqld-ldflags	Extra linking arguments for mysqld					
				yes	yes	yes
--with-mysqld-libs	Extra libraries to link with for mysqld					
		5.0.44		yes	yes	yes
--with-mysqld-user	What user the mysqld daemon shall be run as					
				yes	yes	yes
--with-mysqfs	Include the corba-based MySQL file system					
			5.0.3	yes		
--with-mysqlmanager	Build the mysqlmanager binary					
	Build if server is built					
--with-named-curses-libs	Use specified curses libraries					
				yes	yes	yes
--with-named-thread-libs	Use specified thread libraries					
				yes	yes	yes
--with-ndb-ccflags	Extra CC options for ndb compile					
		5.0.3		yes	yes	yes
--with-ndb-docs	Include the NDB Cluster ndbapi and mgmapi documentation					
				yes	yes	yes
--with-ndb-port	Port for NDB Cluster management server					
				yes	yes	yes
--with-ndb-port-base	Port for NDB Cluster management server					
		5.0.3		yes	yes	yes
--with-ndb-sci=DIR	Provide MySQL with a custom location of sci library					
				yes	yes	yes
--with-ndb-shm	Include the NDB Cluster shared memory transporter					
			5.0.2	yes		
--with-ndb-test	Include the NDB Cluster ndbapi test programs					
				yes	yes	yes
--with-ndbcluster	Include the NDB Cluster table handler					
	no		5.1.9	yes	yes	yes
--with-openssl=DIR	Include the OpenSSL support					
			5.1.9	yes	yes	
--with-openssl-includes	Find OpenSSL headers in DIR					
			5.1.9	yes	yes	
--with-openssl-libs	Find OpenSSL libraries in DIR					
			5.1.9	yes	yes	yes
--with-other-libc=DIR	Link against libc and other standard libraries installed in the specified non-standard location					
				yes	yes	yes

Formats	Description					
	Default Value	Introduced	Removed	5.0	5.1	6.0
--with-pic	Try to use only PIC/non-PIC objects					
	Use both			yes	yes	yes
--with-plugin-PLUGIN	Forces the named plugin to be linked into mysqld statically					
		5.1.11			yes	yes
--with-plugins	Plugins to include in mysqld					
	none	5.1.11			yes	yes
--with-pstack	Use the pstack backtrace library					
				yes	yes	yes
--with-pthread	Force use of pthread library					
				yes	yes	yes
--with-raid	Enable RAID Support					
			5.0.3	yes		
--with-row-based-replication	Include row-based replication					
		5.1.5	5.1.6		yes	yes
--with-server-suffix	Append value to the version string					
				yes	yes	yes
--with-ssl=DIR	Include SSL support					
		5.1.11			yes	yes
--with-system-type	Set the system type, like "sun-solaris10"					
		5.0.44		yes	yes	yes
--with-tags	Include additional configurations					
	automatic			yes	yes	yes
--with-tcp-port	Which port to use for MySQL services					
	3306			yes	yes	yes
--with-unix-socket-path	Where to put the unix-domain socket					
				yes	yes	yes
--with-vio	Include the Virtual IO support					
			5.0.2	yes		
--with-yassl	Include the yaSSL support					
		5.0.6	5.1.9	yes	yes	
--with-zlib-dir=no bundled DIR	Provide MySQL with a custom location of compression library					
				yes	yes	yes
--without-PACKAGE	Do not use PACKAGE					
				yes	yes	yes
--without-bench	Skip building of the benchmark suite					
			5.1.9	yes	yes	
--without-debug	Build a production version without debugging code					
			5.1.6	yes	yes	yes
--without-docs	Skip building of the documentation					
				yes	yes	yes
--without-extra-tools	Skip building utilities in the tools directory					
			5.1.9	yes	yes	yes
--without-geometry	Do not build geometry-related parts					
				yes	yes	yes
--without-innodb	Do not include the InnoDB table handler					
			5.0.48	yes		

Formats	Description					
	Default Value	Introduced	Removed	5.0	5.1	6.0
--without-libedit	Use system libedit instead of bundled copy					
			5.1.9	yes	yes	yes
--without-libevent	Do not include libevent for thread-pool support					
		6.0.4				yes
--without-man	Skip building of the man pages					
				yes	yes	yes
--without-ndb-binlog	Disable ndb binlog					
		5.1.6			yes	yes
--without-ndb-debug	Disable special ndb debug features					
		5.0.3		yes	yes	yes
--without-plugin-PLUGIN	Exclude PLUGIN					
		5.1.11			yes	yes
--without-query-cache	Do not build query cache					
				yes	yes	yes
--without-readline	Use system readline instead of bundled copy					
				yes	yes	yes
--without-row-based-replication	Don't include row-based replication					
		5.1.7	5.1.14		yes	yes
--without-server	Only build the client					
				yes	yes	yes
--without-uca	Skip building of the national Unicode collations					
		5.0.3		yes	yes	yes

Chapter 5. Key changes in MySQL releases

This chapter details key changes between versions of MySQL releases, organized by major MySQL release versions. This information is generated from the standard changelog and summarizes only those entries marked as *Security Fix* or *Incompatible Change*.

5.1. Key changes in MySQL 5.0 releases

The following sections list the *Security Fix* and *Incompatible Change* entries from the changelog for MySQL 5.0.

Note

This section only shows selected items from the MySQL Change History. For the full change history for MySQL Server 5.0, see [Changes in release 5.0.x \(Production\)](#), [MySQL Enterprise 5.0 Release Notes](#) and [MySQL Community Server 5.0 Enhancements and Release Notes](#).

5.1.1. Changes in MySQL 5.0.77 (28 January 2009)

Bugs fixed:

- **Important Change: Security Fix:** Additional corrections were made for the symlink-related privilege problem originally addressed in MySQL 5.0.60. The original fix did not correctly handle the data directory path name if it contained symlinked directories in its path, and the check was made only at table-creation time, not at table-opening time later. ([Bug#32167](#), [CVE-2008-2079](#))

See also [Bug#39277](#).

- **Incompatible Change:** There were some problems using `DllMain()` hook functions on Windows that automatically do global and per-thread initialization for `libmysqld.dll`:
 - Per-thread initialization: MySQL internally counts the number of active threads, which causes a delay in `my_end()` if not all threads have exited. But there are threads that can be started either by Windows internally (often in TCP/IP scenarios) or by users. Those threads do not necessarily use `libmysql.dll` functionality but still contribute to the open-thread count. (One symptom is a five-second delay in times for PHP scripts to finish.)
 - Process-initialization: `my_init()` calls `WSAStartup` that itself loads DLLs and can lead to a deadlock in the Windows loader.

To correct these problems, DLL initialization code now is not invoked from `libmysql.dll` by default. To obtain the previous behavior (DLL initialization code will be called), set the `LIBMYSQL_DLLINIT` environment variable to any value. This variable exists only to prevent breakage of existing Windows-only applications that do not call `mysql_thread_init()` and work okay today. Use of `LIBMYSQL_DLLINIT` is discouraged and is removed in MySQL 6.0. ([Bug#37226](#), [Bug#33031](#))

- **Incompatible Change:** `SHOW STATUS` took a lot of CPU time for calculating the value of the `InnoDB_buffer_pool_pages_latched` status variable. Now this variable is calculated and included in the output of `SHOW STATUS` only if the `UNIV_DEBUG` symbol is defined at MySQL build time. ([Bug#36600](#))
- **Incompatible Change:** In connection with view creation, the server created `arc` directories inside database directories and maintained useless copies of `.frm` files there. Creation and renaming procedures of those copies as well as creation of `arc` directories has been discontinued.

This change does cause a problem when downgrading to older server versions which manifests itself under these circumstances:

1. Create a view `v_orig` in MySQL 5.0.72 or higher.
2. Rename the view to `v_new` and then back to `v_orig`.
3. Downgrade to an older 5.0.x server and run `mysql_upgrade`.
4. Try to rename `v_orig` to `v_new` again. This operation fails.

As a workaround to avoid this problem, use either of these approaches:

- Dump your data using `mysqldump` before downgrading and reload the dump file after downgrading.
- Instead of renaming a view after the downgrade, drop it and recreate it.

The downgrade problem introduced by the fix for this bug has been addressed as [Bug#40021](#). ([Bug#17823](#))

5.1.2. Changes in MySQL 5.0.75 (17 December 2008)

Bugs fixed:

- **Important Change: Security Fix:** Additional corrections were made for the symlink-related privilege problem originally addressed in MySQL 5.0.60. The original fix did not correctly handle the data directory path name if it contained symlinked directories in its path, and the check was made only at table-creation time, not at table-opening time later. ([Bug#32167](#), [CVE-2008-2079](#))

See also [Bug#39277](#).

- **Incompatible Change:** There were some problems using `DllMain()` hook functions on Windows that automatically do global and per-thread initialization for `libmysql.dll`:
 - Per-thread initialization: MySQL internally counts the number of active threads, which causes a delay in `my_end()` if not all threads have exited. But there are threads that can be started either by Windows internally (often in TCP/IP scenarios) or by users. Those threads do not necessarily use `libmysql.dll` functionality but still contribute to the open-thread count. (One symptom is a five-second delay in times for PHP scripts to finish.)
 - Process-initialization: `my_init()` calls `WSAStartup` that itself loads DLLs and can lead to a deadlock in the Windows loader.

To correct these problems, DLL initialization code now is not invoked from `libmysql.dll` by default. To obtain the previous behavior (DLL initialization code will be called), set the `LIBMYSQL_DLLINIT` environment variable to any value. This variable exists only to prevent breakage of existing Windows-only applications that do not call `mysql_thread_init()` and work okay today. Use of `LIBMYSQL_DLLINIT` is discouraged and is removed in MySQL 6.0. ([Bug#37226](#), [Bug#33031](#))

- **Incompatible Change:** `SHOW STATUS` took a lot of CPU time for calculating the value of the `Innodb_buffer_pool_pages_latched` status variable. Now this variable is calculated and included in the output of `SHOW STATUS` only if the `UNIV_DEBUG` symbol is defined at MySQL build time. ([Bug#36600](#))
- **Incompatible Change:** In connection with view creation, the server created `arc` directories inside database directories and maintained useless copies of `.frm` files there. Creation and renaming procedures of those copies as well as creation of `arc` directories has been discontinued.

This change does cause a problem when downgrading to older server versions which manifests itself under these circumstances:

1. Create a view `v_orig` in MySQL 5.0.72 or higher.
2. Rename the view to `v_new` and then back to `v_orig`.
3. Downgrade to an older 5.0.x server and run `mysql_upgrade`.
4. Try to rename `v_orig` to `v_new` again. This operation fails.

As a workaround to avoid this problem, use either of these approaches:

- Dump your data using `mysqldump` before downgrading and reload the dump file after downgrading.
- Instead of renaming a view after the downgrade, drop it and recreate it.

The downgrade problem introduced by the fix for this bug has been addressed as [Bug#40021](#). ([Bug#17823](#))

5.1.3. Changes in MySQL 5.0.72 [MRU] (24 October 2008)

This is a *Monthly Rapid Update* release of the MySQL Enterprise Server 5.0.

Bugs fixed:

- **Incompatible Change:** In connection with view creation, the server created `arc` directories inside database directories and maintained useless copies of `.frm` files there. Creation and renaming procedures of those copies as well as creation of `arc` directories has been discontinued.

This change does cause a problem when downgrading to older server versions which manifests itself under these circumstances:

1. Create a view `v_orig` in MySQL 5.0.72 or higher.
2. Rename the view to `v_new` and then back to `v_orig`.

3. Downgrade to an older 5.0.x server and run `mysql_upgrade`.
4. Try to rename `v_orig` to `v_new` again. This operation fails.

As a workaround to avoid this problem, use either of these approaches:

- Dump your data using `mysqldump` before downgrading and reload the dump file after downgrading.
- Instead of renaming a view after the downgrade, drop it and recreate it.

The downgrade problem introduced by the fix for this bug has been addressed as [Bug#40021](#). ([Bug#17823](#))

5.1.4. Changes in MySQL 5.0.70 [MRU] (27 September 2008)

This is a *Monthly Rapid Update* release of the MySQL Enterprise Server 5.0.

Bugs fixed:

- **Important Change: Security Fix:** Additional corrections were made for the symlink-related privilege problem originally addressed in MySQL 5.0.60. The original fix did not correctly handle the data directory path name if it contained symlinked directories in its path, and the check was made only at table-creation time, not at table-opening time later. ([Bug#32167](#), [CVE-2008-2079](#))

See also [Bug#39277](#).

- **Incompatible Change:** There were some problems using `DllMain()` hook functions on Windows that automatically do global and per-thread initialization for `libmysqld.dll`:
 - Per-thread initialization: MySQL internally counts the number of active threads, which causes a delay in `my_end()` if not all threads have exited. But there are threads that can be started either by Windows internally (often in TCP/IP scenarios) or by users. Those threads do not necessarily use `libmysql.dll` functionality but still contribute to the open-thread count. (One symptom is a five-second delay in times for PHP scripts to finish.)
 - Process-initialization: `my_init()` calls `WSAStartup` that itself loads DLLs and can lead to a deadlock in the Windows loader.

To correct these problems, DLL initialization code now is not invoked from `libmysql.dll` by default. To obtain the previous behavior (DLL initialization code will be called), set the `LIBMYSQL_DLLINIT` environment variable to any value. This variable exists only to prevent breakage of existing Windows-only applications that do not call `mysql_thread_init()` and work okay today. Use of `LIBMYSQL_DLLINIT` is discouraged and is removed in MySQL 6.0. ([Bug#37226](#), [Bug#33031](#))

5.1.5. Changes in MySQL 5.0.68 [MRU] (13 August 2008)

This is a *Monthly Rapid Update* release of the MySQL Enterprise Server 5.0.

Bugs fixed:

- **Incompatible Change:** `SHOW STATUS` took a lot of CPU time for calculating the value of the `Innodb_buffer_pool_pages_latched` status variable. Now this variable is calculated and included in the output of `SHOW STATUS` only if the `UNIV_DEBUG` symbol is defined at MySQL build time. ([Bug#36600](#))

5.1.6. Changes in MySQL 5.0.67 (04 August 2008)

Functionality added or changed:

- **Important Change: Incompatible Change:** The `FEDERATED` storage engine is now disabled by default in the `.cnf` files shipped with MySQL distributions (`my-huge.cnf`, `my-medium.cnf`, and so forth). This affects server behavior only if you install one of these files. ([Bug#37069](#))

Bugs fixed:

- **Important Change: Security Fix:** It was possible to circumvent privileges through the creation of `MyISAM` tables employing the `DATA DIRECTORY` and `INDEX DIRECTORY` options to overwrite existing table files in the MySQL data directory. Use of the MySQL data directory in `DATA DIRECTORY` and `INDEX DIRECTORY` path name is now disallowed.

Note

Additional fixes were made in MySQL 5.0.70.

([Bug#32167](#), [CVE-2008-2079](#))

See also [Bug#39277](#).

- **Security Fix:** Three vulnerabilities in `yaSSL` versions 1.7.5 and earlier were discovered that could lead to a server crash or execution of unauthorized code. The exploit requires a server with `yaSSL` enabled and `TCP/IP` connections enabled, but does not require valid MySQL account credentials. The exploit does not apply to `OpenSSL`.

Note

The proof-of-concept exploit is freely available on the Internet. Everyone with a vulnerable MySQL configuration is advised to upgrade *immediately*.

([Bug#33814](#), [CVE-2008-0226](#), [CVE-2008-0227](#))

- **Security Fix:** Using `RENAME TABLE` against a table with explicit `DATA DIRECTORY` and `INDEX DIRECTORY` options can be used to overwrite system table information by replacing the symbolic link points. the file to which the symlink points.

MySQL will now return an error when the file to which the symlink points already exists. ([Bug#32111](#), [CVE-2007-5969](#))

- **Security Fix:** `ALTER VIEW` retained the original `DEFINER` value, even when altered by another user, which could allow that user to gain the access rights of the view. Now `ALTER VIEW` is allowed only to the original definer or users with the `SUPER` privilege. ([Bug#29908](#))
- **Security Fix:** When using a `FEDERATED` table, the local server could be forced to crash if the remote server returned a result with fewer columns than expected. ([Bug#29801](#))
- **Incompatible Change:** It was possible to use `FRAC_SECOND` as a synonym for `MICROSECOND` with `DATE_ADD()`, `DATE_SUB()`, and `INTERVAL`; now, using `FRAC_SECOND` with anything other than `TIMESTAMPADD()` or `TIMESTAMPDIFF()` produces a syntax error.

It is now possible (and preferable) to use `MICROSECOND` with `TIMESTAMPADD()` and `TIMESTAMPDIFF()`, and `FRAC_SECOND` is now deprecated. ([Bug#33834](#))

- **Incompatible Change:** With `ONLY_FULL_GROUP_BY` SQL mode enabled, queries such as `SELECT a FROM t1 HAVING COUNT(*) > 2` were not being rejected as they should have been.

This fix results in the following behavior:

- There is a check against mixing group and non-group columns *only* when `ONLY_FULL_GROUP_BY` is enabled.
- This check is done both for the select list and for the `HAVING` clause if there is one.

This behavior differs from previous versions as follows:

- Previously, the `HAVING` clause was not checked when `ONLY_FULL_GROUP_BY` was enabled; now it is checked.
- Previously, the select list was checked even when `ONLY_FULL_GROUP_BY` was not enabled; now it is checked only when `ONLY_FULL_GROUP_BY` is enabled.

([Bug#31794](#))

- **Incompatible Change:** The MySQL 5.0.50 patch for this bug was reverted because it changed the behavior of a General Availability MySQL release. ([Bug#30234](#))

See also [Bug#27525](#).

- **Incompatible Change:** It was possible to create a view having a column whose name consisted of an empty string or space characters only.

One result of this bug fix is that aliases for columns in the view `SELECT` statement are checked to ensure that they are legal column names. In particular, the length must be within the maximum column length of 64 characters, not the maximum alias length of 256 characters. This can cause problems for replication or loading dump files. For additional information and work-

arounds, see [Restrictions on Views](#). ([Bug#27695](#))

See also [Bug#31202](#).

- **Incompatible Change:** Several type-preserving functions and operators returned an incorrect result type that does not match their argument types: `COALESCE()`, `IF()`, `IFNULL()`, `LEAST()`, `GREATEST()`, `CASE`. These now aggregate using the precise SQL types of their arguments rather than the internal type. In addition, the result type of the `STR_TO_DATE()` function is now `DATETIME` by default. ([Bug#27216](#))
- **Incompatible Change:** It was possible for option files to be read twice at program startup, if some of the standard option file locations turned out to be the same directory. Now duplicates are removed from the list of files to be read.

Also, users could not override system-wide settings using `~/my.cnf` because `SYSCONFDIR/my.cnf` was read last. The latter file now is read earlier so that `~/my.cnf` can override system-wide settings.

The fix for this problem had a side effect such that on Unix, MySQL programs looked for options in `~/my.cnf` rather than the standard location of `~/my.cnf`. That problem was addressed as [Bug#38180](#). ([Bug#20748](#))

5.1.7. Changes in MySQL 5.0.66sp1 [QSP] (23 October 2008)

This is a *Service Pack* release of the MySQL Enterprise Server 5.0.

Bugs fixed:

- **Important Change: Security Fix:** It was possible to circumvent privileges through the creation of `MyISAM` tables employing the `DATA DIRECTORY` and `INDEX DIRECTORY` options to overwrite existing table files in the MySQL data directory. Use of the MySQL data directory in `DATA DIRECTORY` and `INDEX DIRECTORY` path name is now disallowed.

Additional corrections were made to handle the data directory path name if it contains symlinked directories in its path, and to make the check both at table-creation time and at table-opening time later. ([Bug#32167](#), [CVE-2008-2079](#))

See also [Bug#39277](#).

5.1.8. Changes in MySQL 5.0.66 [MRU] (09 July 2008)

This is a *Monthly Rapid Update* release of the MySQL Enterprise Server 5.0.

Important

This release was withdrawn from production due to the side effect produced by [Bug#20748](#). It has been replaced by MySQL 5.0.66a, which should be used instead.

Bugs fixed:

- **Incompatible Change:** An additional correction to the original MySQL 5.0.64 fix was made to normalize directory names before adding them to the list of directories. This prevents `/etc/` and `/etc` from being considered different, for example. ([Bug#20748](#))

See also [Bug#38180](#).

5.1.9. Changes in MySQL 5.0.64 [MRU] (10 June 2008)

This is a *Monthly Rapid Update* release of the MySQL Enterprise Server 5.0.

Functionality added or changed:

- **Important Change: Incompatible Change:** The `FEDERATED` storage engine is now disabled by default in the `.cnf` files shipped with MySQL distributions (`my-huge.cnf`, `my-medium.cnf`, and so forth). This affects server behavior only if you install one of these files. ([Bug#37069](#))

5.1.10. Changes in MySQL 5.0.60 [MRU] (28 April 2008)

This is a *Monthly Rapid Update* release of the MySQL Enterprise Server 5.0.

Bugs fixed:

- **Important Change: Security Fix:** It was possible to circumvent privileges through the creation of `MyISAM` tables employing the `DATA DIRECTORY` and `INDEX DIRECTORY` options to overwrite existing table files in the MySQL data directory. Use of the MySQL data directory in `DATA DIRECTORY` and `INDEX DIRECTORY` path name is now disallowed.

Note

Additional fixes were made in MySQL 5.0.70.

([Bug#32167](#), [CVE-2008-2079](#))

See also [Bug#39277](#).

- **Incompatible Change:** It was possible to use `FRAC_SECOND` as a synonym for `MICROSECOND` with `DATE_ADD()`, `DATE_SUB()`, and `INTERVAL`; now, using `FRAC_SECOND` with anything other than `TIMESTAMPADD()` or `TIMESTAMPDIFF()` produces a syntax error.

It is now possible (and preferable) to use `MICROSECOND` with `TIMESTAMPADD()` and `TIMESTAMPDIFF()`, and `FRAC_SECOND` is now deprecated. ([Bug#33834](#))

5.1.11. Changes in MySQL 5.0.56sp1 [QSP] (30 March 2008)

This is a *Service Pack* release of the MySQL Enterprise Server 5.0.

Bugs fixed:

- **Security Fix:** Using `RENAME TABLE` against a table with explicit `DATA DIRECTORY` and `INDEX DIRECTORY` options can be used to overwrite system table information by replacing the symbolic link points. the file to which the symlink points. MySQL will now return an error when the file to which the symlink points already exists. ([Bug#32111](#), [CVE-2007-5969](#))
- **Security Fix:** `ALTER VIEW` retained the original `DEFINER` value, even when altered by another user, which could allow that user to gain the access rights of the view. Now `ALTER VIEW` is allowed only to the original definer or users with the `SUPER` privilege. ([Bug#29908](#))
- **Security Fix:** When using a `FEDERATED` table, the local server could be forced to crash if the remote server returned a result with fewer columns than expected. ([Bug#29801](#))
- **Incompatible Change:** With `ONLY_FULL_GROUP_BY` SQL mode enabled, queries such as `SELECT a FROM t1 HAVING COUNT(*) > 2` were not being rejected as they should have been.

This fix results in the following behavior:

- There is a check against mixing group and non-group columns *only* when `ONLY_FULL_GROUP_BY` is enabled.
- This check is done both for the select list and for the `HAVING` clause if there is one.

This behavior differs from previous versions as follows:

- Previously, the `HAVING` clause was not checked when `ONLY_FULL_GROUP_BY` was enabled; now it is checked.
- Previously, the select list was checked even when `ONLY_FULL_GROUP_BY` was not enabled; now it is checked only when `ONLY_FULL_GROUP_BY` is enabled.

([Bug#31794](#))

- **Incompatible Change:** The MySQL 5.0.50 patch for this bug was reverted because it changed the behavior of a General Availability MySQL release. ([Bug#30234](#))

See also [Bug#27525](#).

- **Incompatible Change:** It was possible to create a view having a column whose name consisted of an empty string or space characters only.

One result of this bug fix is that aliases for columns in the view `SELECT` statement are checked to ensure that they are legal

column names. In particular, the length must be within the maximum column length of 64 characters, not the maximum alias length of 256 characters. This can cause problems for replication or loading dump files. For additional information and workarounds, see [Restrictions on Views](#). (Bug#27695)

See also [Bug#31202](#).

- **Incompatible Change:** Several type-preserving functions and operators returned an incorrect result type that does not match their argument types: `COALESCE()`, `IF()`, `IFNULL()`, `LEAST()`, `GREATEST()`, `CASE`. These now aggregate using the precise SQL types of their arguments rather than the internal type. In addition, the result type of the `STR_TO_DATE()` function is now `DATETIME` by default. (Bug#27216)
- **Incompatible Change:** It was possible for option files to be read twice at program startup, if some of the standard option file locations turned out to be the same directory. Now duplicates are removed from the list of files to be read.

Also, users could not override system-wide settings using `~/my.cnf` because `SYSCONFDIR/my.cnf` was read last. The latter file now is read earlier so that `~/my.cnf` can override system-wide settings.

The fix for this problem had a side effect such that on Unix, MySQL programs looked for options in `~/my.cnf` rather than the standard location of `~/my.cnf`. That problem was addressed as [Bug#38180](#). (Bug#20748)

5.1.12. Changes in MySQL 5.0.54a [MRU] (11 January 2008)

This is a *Monthly Rapid Update* release of the MySQL Enterprise Server 5.0.

Bugs fixed:

- **Security Fix:** Three vulnerabilities in yaSSL versions 1.7.5 and earlier were discovered that could lead to a server crash or execution of unauthorized code. The exploit requires a server with yaSSL enabled and TCP/IP connections enabled, but does not require valid MySQL account credentials. The exploit does not apply to OpenSSL.

Note

The proof-of-concept exploit is freely available on the Internet. Everyone with a vulnerable MySQL configuration is advised to upgrade *immediately*.

([Bug#33814](#), [CVE-2008-0226](#), [CVE-2008-0227](#))

5.1.13. Changes in MySQL 5.0.54 [MRU] (14 December 2007)

This is a *Monthly Rapid Update* release of the MySQL Enterprise Server 5.0.

Bugs fixed:

- **Incompatible Change:** The MySQL 5.0.50 patch for this bug was reverted because it changed the behavior of a General Availability MySQL release. (Bug#30234)

See also [Bug#27525](#).

- **Incompatible Change:** It was possible for option files to be read twice at program startup, if some of the standard option file locations turned out to be the same directory. Now duplicates are removed from the list of files to be read.

Also, users could not override system-wide settings using `~/my.cnf` because `SYSCONFDIR/my.cnf` was read last. The latter file now is read earlier so that `~/my.cnf` can override system-wide settings.

The fix for this problem had a side effect such that on Unix, MySQL programs looked for options in `~/my.cnf` rather than the standard location of `~/my.cnf`. That problem was addressed as [Bug#38180](#). (Bug#20748)

5.1.14. Changes in MySQL 5.0.52 [MRU] (30 November 2007)

This is a *Monthly Rapid Update* release of the MySQL Enterprise Server 5.0.

Bugs fixed:

- **Security Fix:** Using `RENAME TABLE` against a table with explicit `DATA DIRECTORY` and `INDEX DIRECTORY` options can

be used to overwrite system table information by replacing the symbolic link points. the file to which the symlink points.

MySQL will now return an error when the file to which the symlink points already exists. (Bug#32111, CVE-2007-5969)

- **Security Fix:** `ALTER VIEW` retained the original `DEFINER` value, even when altered by another user, which could allow that user to gain the access rights of the view. Now `ALTER VIEW` is allowed only to the original definer or users with the `SUPER` privilege. (Bug#29908)
- **Security Fix:** When using a `FEDERATED` table, the local server could be forced to crash if the remote server returned a result with fewer columns than expected. (Bug#29801)
- **Incompatible Change:** With `ONLY_FULL_GROUP_BY` SQL mode enabled, queries such as `SELECT a FROM t1 HAVING COUNT(*) > 2` were not being rejected as they should have been.

This fix results in the following behavior:

- There is a check against mixing group and non-group columns *only* when `ONLY_FULL_GROUP_BY` is enabled.
- This check is done both for the select list and for the `HAVING` clause if there is one.

This behavior differs from previous versions as follows:

- Previously, the `HAVING` clause was not checked when `ONLY_FULL_GROUP_BY` was enabled; now it is checked.
- Previously, the select list was checked even when `ONLY_FULL_GROUP_BY` was not enabled; now it is checked only when `ONLY_FULL_GROUP_BY` is enabled.

(Bug#31794)

- **Incompatible Change:** It was possible to create a view having a column whose name consisted of an empty string or space characters only.

One result of this bug fix is that aliases for columns in the view `SELECT` statement are checked to ensure that they are legal column names. In particular, the length must be within the maximum column length of 64 characters, not the maximum alias length of 256 characters. This can cause problems for replication or loading dump files. For additional information and workarounds, see [Restrictions on Views](#). (Bug#27695)

See also Bug#31202.

- **Incompatible Change:** Several type-preserving functions and operators returned an incorrect result type that does not match their argument types: `COALESCE()`, `IF()`, `IFNULL()`, `LEAST()`, `GREATEST()`, `CASE`. These now aggregate using the precise SQL types of their arguments rather than the internal type. In addition, the result type of the `STR_TO_DATE()` function is now `DATETIME` by default. (Bug#27216)

5.1.15. Changes in MySQL 5.0.51a (11 January 2008)

Bugs fixed:

- **Security Fix:** Three vulnerabilities in yaSSL versions 1.7.5 and earlier were discovered that could lead to a server crash or execution of unauthorized code. The exploit requires a server with yaSSL enabled and TCP/IP connections enabled, but does not require valid MySQL account credentials. The exploit does not apply to OpenSSL.

Note

The proof-of-concept exploit is freely available on the Internet. Everyone with a vulnerable MySQL configuration is advised to upgrade *immediately*.

(Bug#33814, CVE-2008-0226, CVE-2008-0227)

- **Security Fix:** `ALTER VIEW` retained the original `DEFINER` value, even when altered by another user, which could allow that user to gain the access rights of the view. Now `ALTER VIEW` is allowed only to the original definer or users with the `SUPER` privilege. (Bug#29908)
- **Security Fix:** When using a `FEDERATED` table, the local server could be forced to crash if the remote server returned a result with fewer columns than expected. (Bug#29801)

5.1.16. Changes in MySQL 5.0.51 (15 November 2007)

Functionality added or changed:

- **Incompatible Change:** The parser accepted statements that contained `/* ... */` that were not properly closed with `*/`, such as `SELECT 1 /* + 2`. Statements that contain unclosed `/*`-comments now are rejected with a syntax error.

This fix has the potential to cause incompatibilities. Because of [Bug#26302](#), which caused the trailing `*/` to be truncated from comments in views, stored routines, triggers, and events, it is possible that objects of those types may have been stored with definitions that now will be rejected as syntactically invalid. Such objects should be dropped and re-created so that their definitions do not contain truncated comments. If a stored object definition contains only a single statement (does not use a `BEGIN ... END` block) and contains a comment within the statement, the comment should be moved to follow the statement or the object should be rewritten to use a `BEGIN ... END` block. For example, this statement:

```
CREATE PROCEDURE p() SELECT 1 /* my comment */ ;
```

Can be rewritten in either of these ways:

```
CREATE PROCEDURE p() SELECT 1; /* my comment */
CREATE PROCEDURE p() BEGIN SELECT 1 /* my comment */ ; END;
```

([Bug#28779](#))

Bugs fixed:

- **Security Fix:** Using `RENAME TABLE` against a table with explicit `DATA DIRECTORY` and `INDEX DIRECTORY` options can be used to overwrite system table information by replacing the symbolic link points. the file to which the symlink points.

MySQL will now return an error when the file to which the symlink points already exists. ([Bug#32111](#), [CVE-2007-5969](#))

- **Incompatible Change:** The file `mysqld.exe` was mistakenly included in binary distributions between MySQL 5.0.42 and 5.0.48. You should use `mysqld-nt.exe`. ([Bug#32197](#))
- **Incompatible Change:** Multiple-table `DELETE` statements containing ambiguous aliases could have unintended side effects such as deleting rows from the wrong table. Example:

```
DELETE FROM t1 AS a2 USING t1 AS a1 INNER JOIN t2 AS a2;
```

This bug fix enables alias declarations to be declared only in the `table_references` part. Elsewhere in the statement, alias references are allowed but not alias declarations. ([Bug#30234](#))

See also [Bug#27525](#).

- **Incompatible Change:** Failure to consider collation when comparing space characters could result in incorrect index entry order, leading to incorrect comparisons, inability to find some index values, misordered index entries, misordered `ORDER BY` results, or tables that `CHECK TABLE` reports as having corrupt indexes.

As a result of this bug fix, indexes must be rebuilt for columns that use any of these character sets: `euc_jpms`, `euc_kr`, `gb2312`, `latin7`, `macce`, `ujis`. See [Checking Whether Table Indexes Must Be Rebuilt](#). ([Bug#29461](#))

5.1.17. Changes in MySQL 5.0.50sp1a [QSP] (11 January 2008)

This is a *Service Pack* release of the MySQL Enterprise Server 5.0.

Bugs fixed:

- **Security Fix:** Three vulnerabilities in yaSSL versions 1.7.5 and earlier were discovered that could lead to a server crash or execution of unauthorized code. The exploit requires a server with yaSSL enabled and TCP/IP connections enabled, but does not require valid MySQL account credentials. The exploit does not apply to OpenSSL.

Note

The proof-of-concept exploit is freely available on the Internet. Everyone with a vulnerable MySQL configuration is advised to upgrade *immediately*.

([Bug#33814](#), [CVE-2008-0226](#), [CVE-2008-0227](#))

5.1.18. Changes in MySQL 5.0.50 [MRU] (19 October 2007)

This is a *Monthly Rapid Update* release of the MySQL Enterprise Server 5.0.

Functionality added or changed:

- **Incompatible Change:** The parser accepted statements that contained `/* ... */` that were not properly closed with `*/`, such as `SELECT 1 /* + 2`. Statements that contain unclosed `/*`-comments now are rejected with a syntax error.

This fix has the potential to cause incompatibilities. Because of [Bug#26302](#), which caused the trailing `*/` to be truncated from comments in views, stored routines, triggers, and events, it is possible that objects of those types may have been stored with definitions that now will be rejected as syntactically invalid. Such objects should be dropped and re-created so that their definitions do not contain truncated comments. If a stored object definition contains only a single statement (does not use a `BEGIN ... END` block) and contains a comment within the statement, the comment should be moved to follow the statement or the object should be rewritten to use a `BEGIN ... END` block. For example, this statement:

```
CREATE PROCEDURE p() SELECT 1 /* my comment */ ;
```

Can be rewritten in either of these ways:

```
CREATE PROCEDURE p() SELECT 1; /* my comment */
CREATE PROCEDURE p() BEGIN SELECT 1 /* my comment */ ; END;
```

([Bug#28779](#))

Bugs fixed:

- **Incompatible Change:** The file `mysqld.exe` was mistakenly included in binary distributions between MySQL 5.0.42 and 5.0.48. You should use `mysqld-nt.exe`. ([Bug#32197](#))
- **Incompatible Change:** Multiple-table `DELETE` statements containing ambiguous aliases could have unintended side effects such as deleting rows from the wrong table. Example:

```
DELETE FROM t1 AS a2 USING t1 AS a1 INNER JOIN t2 AS a2;
```

This fix enables alias declarations to be made only in the `table_references` part. Elsewhere in the statement, alias references are allowed but not alias declarations. However, this patch was reverted in MySQL 5.0.54 because it changed the behavior of a General Availability MySQL release. ([Bug#30234](#))

See also [Bug#27525](#).

5.1.19. Changes in MySQL 5.0.48 [MRU] (27 August 2007)

This is a *Monthly Rapid Update* release of the MySQL Enterprise Server 5.0.

Important

This release was withdrawn from production and is no longer available.

Bugs fixed:

- **Incompatible Change:** Failure to consider collation when comparing space characters could result in incorrect index entry order, leading to incorrect comparisons, inability to find some index values, misordered index entries, misordered `ORDER BY` results, or tables that `CHECK TABLE` reports as having corrupt indexes.

As a result of this bug fix, indexes must be rebuilt for columns that use any of these character sets: `euc_jpms`, `euc_kr`, `gb2312`, `latin7`, `macce`, `ujis`. See [Checking Whether Table Indexes Must Be Rebuilt](#). ([Bug#29461](#))

5.1.20. Changes in MySQL 5.0.45 (04 July 2007)

Functionality added or changed:

- **Incompatible Change:** Prior to this release, when `DATE` values were compared with `DATETIME` values, the time portion of the

`DATETIME` value was ignored, or the comparison could be performed as a string compare. Now a `DATE` value is coerced to the `DATETIME` type by adding the time portion as `00:00:00`. To mimic the old behavior, use the `CAST()` function as shown in this example: `SELECT date_col = CAST(NOW() AS DATE) FROM table;` (Bug#28929)

- **Incompatible Change:** `INSERT DELAYED` is now downgraded to a normal `INSERT` if the statement uses functions that access tables or triggers, or that is called from a function or a trigger.

This was done to resolve the following interrelated issues:

- The server could abort or deadlock for `INSERT DELAYED` statements for which another insert was performed implicitly (for example, via a stored function that inserted a row).
- A trigger using an `INSERT DELAYED` caused the error `INSERT DELAYED CAN'T BE USED WITH TABLE ... BECAUSE IT IS LOCKED WITH LOCK TABLES` although the target table was not actually locked.
- `INSERT DELAYED` into a table with a `BEFORE INSERT` or `AFTER INSERT` trigger gave an incorrect `NEW` pseudo-column value and caused the server to deadlock or abort.

(Bug#21483)

See also Bug#20497, Bug#21714.

Bugs fixed:

- **Security Fix:** A malformed password packet in the connection protocol could cause the server to crash. Thanks for Dormando for reporting this bug, and for providing details and a proof of concept. (Bug#28984, CVE-2007-3780)
- **Security Fix:** Use of a view could allow a user to gain update privileges for tables in other databases. (Bug#27878, CVE-2007-3782)
- **Security Fix:** The requirement of the `DROP` privilege for `RENAME TABLE` was not enforced. (Bug#27515, CVE-2007-2691)
- **Security Fix:** If a stored routine was declared using `SQL SECURITY INVOKER`, a user who invoked the routine could gain privileges. (Bug#27337, CVE-2007-2692)
- **Security Fix:** `CREATE TABLE LIKE` did not require any privileges on the source table. Now it requires the `SELECT` privilege.

In addition, `CREATE TABLE LIKE` was not isolated from alteration by other connections, which resulted in various errors and incorrect binary log order when trying to execute concurrently a `CREATE TABLE LIKE` statement and either DDL statements on the source table or DML or DDL statements on the target table. (Bug#23667, Bug#25578, CVE-2007-3781)

- **Incompatible Change:** When `mysqldump` was run with the `--delete-master-logs` option, binary log files were deleted before it was known that the dump had succeeded, not after. (The method for removing log files used `RESET MASTER` prior to the dump. This also reset the binary log sequence numbering to `.000001`.) Now `mysqldump` flushes the logs (which creates a new binary log number with the next sequence number), performs the dump, and then uses `PURGE BINARY LOGS` to remove the log files older than the new one. This also preserves log numbering because the new log with the next number is generated and only the preceding logs are removed. However, this may affect applications if they rely on the log numbering sequence being reset. (Bug#24733)
- **Incompatible Change:** The use of an `ORDER BY` or `DISTINCT` clause with a query containing a call to the `GROUP_CONCAT()` function caused results from previous queries to be redisplayed in the current result. The fix for this includes replacing a `BLOB` value used internally for sorting with a `VARCHAR`. This means that for long results (more than 65,535 bytes), it is possible for truncation to occur; if so, an appropriate warning is issued. (Bug#23856, Bug#28273)

5.1.21. Changes in MySQL 5.0.44 [MRU] (21 June 2007)

This is a *Monthly Rapid Update* release of the MySQL Enterprise Server 5.0.

Bugs fixed:

- **Security Fix:** A malformed password packet in the connection protocol could cause the server to crash. Thanks for Dormando for reporting this bug, and for providing details and a proof of concept. (Bug#28984, CVE-2007-3780)
- **Security Fix:** `CREATE TABLE LIKE` did not require any privileges on the source table. Now it requires the `SELECT` privilege.

In addition, `CREATE TABLE LIKE` was not isolated from alteration by other connections, which resulted in various errors and incorrect binary log order when trying to execute concurrently a `CREATE TABLE LIKE` statement and either DDL statements on the source table or DML or DDL statements on the target table. (Bug#23667, Bug#25578, CVE-2007-3781)

- **Incompatible Change:** When `mysqldump` was run with the `--delete-master-logs` option, binary log files were deleted before it was known that the dump had succeeded, not after. (The method for removing log files used `RESET MASTER` prior to the dump. This also reset the binary log sequence numbering to `.000001`.) Now `mysqldump` flushes the logs (which creates a new binary log number with the next sequence number), performs the dump, and then uses `PURGE BINARY LOGS` to remove the log files older than the new one. This also preserves log numbering because the new log with the next number is generated and only the preceding logs are removed. However, this may affect applications if they rely on the log numbering sequence being reset. (Bug#24733)
- **Incompatible Change:** The use of an `ORDER BY` or `DISTINCT` clause with a query containing a call to the `GROUP_CONCAT()` function caused results from previous queries to be redisplayed in the current result. The fix for this includes replacing a `BLOB` value used internally for sorting with a `VARCHAR`. This means that for long results (more than 65,535 bytes), it is possible for truncation to occur; if so, an appropriate warning is issued. (Bug#23856, Bug#28273)

5.1.22. Changes in MySQL 5.0.42 [MRU] (23 May 2007)

This is a *Monthly Rapid Update* release of the MySQL Enterprise Server 5.0.

Functionality added or changed:

- **Incompatible Change:** Prior to this release, when `DATE` values were compared with `DATETIME` values, the time portion of the `DATETIME` value was ignored, or the comparison could be performed as a string compare. Now a `DATE` value is coerced to the `DATETIME` type by adding the time portion as `00:00:00`. To mimic the old behavior, use the `CAST()` function as shown in this example: `SELECT date_col = CAST(NOW() AS DATE) FROM table;` (Bug#28929)
- **Incompatible Change:** `INSERT DELAYED` is now downgraded to a normal `INSERT` if the statement uses functions that access tables or triggers, or that is called from a function or a trigger.

This was done to resolve the following interrelated issues:

- The server could abort or deadlock for `INSERT DELAYED` statements for which another insert was performed implicitly (for example, via a stored function that inserted a row).
- A trigger using an `INSERT DELAYED` caused the error `INSERT DELAYED CAN'T BE USED WITH TABLE ... BECAUSE IT IS LOCKED WITH LOCK TABLES` although the target table was not actually locked.
- `INSERT DELAYED` into a table with a `BEFORE INSERT` or `AFTER INSERT` trigger gave an incorrect `NEW` pseudo-column value and caused the server to deadlock or abort.

(Bug#21483)

See also Bug#20497, Bug#21714.

Bugs fixed:

- **Security Fix:** Use of a view could allow a user to gain update privileges for tables in other databases. (Bug#27878, CVE-2007-3782)
- **Security Fix:** The requirement of the `DROP` privilege for `RENAME TABLE` was not enforced. (Bug#27515, CVE-2007-2691)
- **Security Fix:** If a stored routine was declared using `SQL SECURITY INVOKER`, a user who invoked the routine could gain privileges. (Bug#27337, CVE-2007-2692)

5.1.23. Changes in MySQL 5.0.41 (01 May 2007)

Bugs fixed:

- **Incompatible Change:** `INSERT DELAYED` statements are not supported for `MERGE` tables, but the `MERGE` storage engine was not rejecting such statements, resulting in table corruption. Applications previously using `INSERT DELAYED` into `MERGE` table will break when upgrading to versions with this fix. To avoid the problem, remove `DELAYED` from such statements.

[Bug#26464](#))

5.1.24. Changes in MySQL 5.0.38 [MRU] (20 March 2007)

This is a *Monthly Rapid Update* release of the MySQL Enterprise Server 5.0.

Bugs fixed:

- **Incompatible Change:** `INSERT DELAYED` statements are not supported for `MERGE` tables, but the `MERGE` storage engine was not rejecting such statements, resulting in table corruption. Applications previously using `INSERT DELAYED` into `MERGE` table will break when upgrading to versions with this fix. To avoid the problem, remove `DELAYED` from such statements. ([Bug#26464](#))

5.1.25. Changes in MySQL 5.0.37 (27 February 2007)

Functionality added or changed:

- **Incompatible Change: MySQL Cluster:** The `LockPagesInMainMemory` configuration parameter has changed its type and possible values. For more information, see [LockPagesInMainMemory](#) .

Important

The values `true` and `false` are no longer accepted for this parameter. If you were using this parameter and had it set to `false` in a previous release, you must change it to `0`. If you had this parameter set to `true`, you should instead use `1` to obtain the same behavior as previously, or `2` to take advantage of new functionality introduced with this release, as described in the section cited above.

([Bug#25686](#))

- **Incompatible Change:** Previously, the `DATE_FORMAT()` function returned a binary string. Now it returns a string with a character set and collation given by `character_set_connection` and `collation_connection` so that it can return month and weekday names containing non-ASCII characters. ([Bug#22646](#))

Bugs fixed:

- **Security Fix:** Using an `INFORMATION_SCHEMA` table with `ORDER BY` in a subquery could cause a server crash.

We would like to thank Oren Isacson of Flowgate Security Consulting and Stefan Streichsbier of SEC Consult for informing us of this problem. ([Bug#24630](#), [Bug#26556](#), [CVE-2007-1420](#))

- **Incompatible Change:** For `ENUM` columns that had enumeration values containing commas, the commas were mapped to `0xff` internally. However, this rendered the commas indistinguishable from true `0xff` characters in the values. This no longer occurs. However, the fix requires that you dump and reload any tables that have `ENUM` columns containing any true `0xff` values. Dump the tables using `mysqldump` with the current server before upgrading from a version of MySQL 5.0 older than 5.0.36 to version 5.0.36 or newer. ([Bug#24660](#))

5.1.26. Changes in MySQL 5.0.36 [MRU] (20 February 2007)

This is a *Monthly Rapid Update* release of the MySQL Enterprise Server 5.0.

Note

After release, a trigger failure problem was found to have been introduced. ([Bug#27006](#)) Users affected by this issue should upgrade to MySQL 5.0.38, which corrects the problem.

Functionality added or changed:

- **Incompatible Change: MySQL Cluster:** The `LockPagesInMainMemory` configuration parameter has changed its type and possible values. For more information, see [LockPagesInMainMemory](#) .

Important

The values `true` and `false` are no longer accepted for this parameter. If you were using this parameter and had it set to `false` in a previous release, you must change it to `0`. If you had this parameter set to `true`, you should instead use `1` to obtain the same behavior as previously, or `2` to take advantage of new functionality introduced with this release, as described in the section cited above.

(Bug#25686)

- **Incompatible Change:** Previously, the `DATE_FORMAT()` function returned a binary string. Now it returns a string with a character set and collation given by `character_set_connection` and `collation_connection` so that it can return month and weekday names containing non-ASCII characters. (Bug#22646)

Bugs fixed:

- **Security Fix:** Using an `INFORMATION_SCHEMA` table with `ORDER BY` in a subquery could cause a server crash.

We would like to thank Oren Isacson of Flowgate Security Consulting and Stefan Streichsbier of SEC Consult for informing us of this problem. (Bug#24630, Bug#26556, CVE-2007-1420)

- **Incompatible Change:** For `ENUM` columns that had enumeration values containing commas, the commas were mapped to `0xff` internally. However, this rendered the commas indistinguishable from true `0xff` characters in the values. This no longer occurs. However, the fix requires that you dump and reload any tables that have `ENUM` columns containing any true `0xff` values. Dump the tables using `mysqldump` with the current server before upgrading from a version of MySQL 5.0 older than 5.0.36 to version 5.0.36 or newer. (Bug#24660)

5.1.27. Changes in MySQL 5.0.33 (09 January 2007)

Functionality added or changed:

- **Incompatible Change:** `InnoDB` rolls back only the last statement on a transaction timeout. A new option, `-innodb_rollback_on_timeout`, causes `InnoDB` to abort and roll back the entire transaction if a transaction timeout occurs (the same behavior as in MySQL 5.0.13 and earlier). (Bug#24200)
- **Incompatible Change:** The `prepared_stmt_count` system variable has been converted to the `Prepared_stmt_count` global status variable (viewable with the `SHOW GLOBAL STATUS` statement). (Bug#23159)

5.1.28. Changes in MySQL 5.0.32 [MRU] (20 December 2006)

This is a *Monthly Rapid Update* release of the MySQL Enterprise Server 5.0.

Functionality added or changed:

- **Incompatible Change:** `InnoDB` rolls back only the last statement on a transaction timeout. A new option, `-innodb_rollback_on_timeout`, causes `InnoDB` to abort and roll back the entire transaction if a transaction timeout occurs (the same behavior as in MySQL 5.0.13 and earlier). (Bug#24200)
- **Incompatible Change:** The `prepared_stmt_count` system variable has been converted to the `Prepared_stmt_count` global status variable (viewable with the `SHOW GLOBAL STATUS` statement). (Bug#23159)

5.1.29. Changes in MySQL 5.0.30sp1 [QSP] (19 January 2007)

This is a *Service Pack* release of the MySQL Enterprise Server 5.0.

Functionality added or changed:

- **Incompatible Change:** `InnoDB` rolls back only the last statement on a transaction timeout. A new option, `-innodb_rollback_on_timeout`, causes `InnoDB` to abort and roll back the entire transaction if a transaction timeout occurs (the same behavior as in MySQL 5.0.13 and earlier). (Bug#24200)

5.1.30. Changes in MySQL 5.0.25 (15 September 2006)

Bugs fixed:

- **Security Fix:** A stored routine created by one user and then made accessible to a different user using `GRANT EXECUTE` could be executed by that user with the privileges of the routine's definer. ([Bug#18630](#), [CVE-2006-4227](#))
- **Security Fix:** On Linux, and possibly other platforms using case-sensitive file systems, it was possible for a user granted rights on a database to create or access a database whose name differed only from that of the first by the case of one or more letters. ([Bug#17647](#), [CVE-2006-4226](#))

5.1.31. Changes in MySQL 5.0.24 (27 July 2006)

Bugs fixed:

- **Security Fix:** If a user has access to `MyISAM` table `t`, that user can create a `MERGE` table `m` that accesses `t`. However, if the user's privileges on `t` are subsequently revoked, the user can continue to access `t` by doing so through `m`. If this behavior is undesirable, you can start the server with the new `--skip-merge` option to disable the `MERGE` storage engine. ([Bug#15195](#), [CVE-2006-4031](#))

5.1.32. Changes in MySQL 5.0.23 (Not released)

Bugs fixed:

- **Security Fix:** A `NUL` byte within a comment in a statement string caused the rest of the string not to be written to the query log, allowing logging to be bypassed. ([Bug#17667](#), [CVE-2006-0903](#))

5.1.33. Changes in MySQL 5.0.22 (24 May 2006)

Bugs fixed:

- **Security Fix:** An SQL-injection security hole has been found in multi-byte encoding processing. The bug was in the server, in correctly parsing the string escaped with the `mysql_real_escape_string()` C API function.

This vulnerability was discovered and reported by Josh Berkus <josh@postgresql.org> and Tom Lane <tgl@sss.pgh.pa.us> as part of the inter-project security collaboration of the OSDB consortium. For more information about SQL injection, please see the following text.

Discussion. An SQL injection security hole has been found in multi-byte encoding processing. An SQL injection security hole can include a situation whereby when a user supplied data to be inserted into a database, the user might inject SQL statements into the data that the server will execute. With regards to this vulnerability, when character set-unaware escaping is used (for example, `addslashes()` in PHP), it is possible to bypass the escaping in some multi-byte character sets (for example, SJIS, BIG5 and GBK). As a result, a function such as `addslashes()` is not able to prevent SQL-injection attacks. It is impossible to fix this on the server side. The best solution is for applications to use character set-aware escaping offered by a function such as `mysql_real_escape_string()`.

However, a bug was detected in how the MySQL server parses the output of `mysql_real_escape_string()`. As a result, even when the character set-aware function `mysql_real_escape_string()` was used, SQL injection was possible. This bug has been fixed.

Workarounds. If you are unable to upgrade MySQL to a version that includes the fix for the bug in `mysql_real_escape_string()` parsing, but run MySQL 5.0.1 or higher, you can use the `NO_BACKSLASH_ESCAPES` SQL mode as a workaround. (This mode was introduced in MySQL 5.0.1.) `NO_BACKSLASH_ESCAPES` enables an SQL standard compatibility mode, where backslash is not considered a special character. The result will be that queries will fail.

To set this mode for the current connection, enter the following SQL statement:

```
SET sql_mode= 'NO_BACKSLASH_ESCAPES' ;
```

You can also set the mode globally for all clients:

```
SET GLOBAL sql_mode= 'NO_BACKSLASH_ESCAPES' ;
```

This SQL mode also can be enabled automatically when the server starts by using the command-line option -

`-sql-mode=NO_BACKSLASH_ESCAPES` or by setting `sql-mode=NO_BACKSLASH_ESCAPES` in the server option file (for example, `my.cnf` or `my.ini`, depending on your system). ([Bug#8378](#), [CVE-2006-2753](#))

See also [Bug#8303](#).

5.1.34. Changes in MySQL 5.0.21 (02 May 2006)

This MySQL 5.0.21 release includes the patches for recently reported security vulnerabilities in the MySQL client-server protocol. We would like to thank Stefano Di Paola <stefano.dipaola@wisec.it> for finding and reporting these to us.

Bugs fixed:

- **Security Fix:** Invalid arguments to `DATE_FORMAT()` caused a server crash. Thanks to Jean-David Maillefer for discovering and reporting this problem to the Debian project and to Christian Hammers from the Debian Team for notifying us of it. ([Bug#20729](#), [CVE-2006-3469](#))
- **Security Fix:** A malicious client, using specially crafted invalid `COM_TABLE_DUMP` packets was able to trigger an exploitable buffer overflow on the server. Thanks to Stefano Di Paola <stefano.dipaola@wisec.it> for finding and reporting this bug. ([CVE-2006-1518](#))
- **Security Fix:** A malicious client, using specially crafted invalid login or `COM_TABLE_DUMP` packets was able to read uninitialized memory, which potentially, though unlikely in MySQL, could have led to an information disclosure. (,) Thanks to Stefano Di Paola <stefano.dipaola@wisec.it> for finding and reporting this bug. ([CVE-2006-1516](#), [CVE-2006-1517](#))

5.1.35. Changes in MySQL 5.0.19 (04 March 2006)

Functionality added or changed:

- **Incompatible Change:** The `InnoDB` storage engine no longer ignores trailing spaces when comparing `BINARY` or `VARBINARY` column values. This means that (for example) the binary values `'a'` and `'a '` are now regarded as *unequal* any time they are compared, as they are in `MyISAM` tables.

See [The BINARY and VARBINARY Types](#) for more information about the `BINARY` and `VARBINARY` types. ([Bug#14189](#))

5.1.36. Changes in MySQL 5.0.15 (19 October 2005 Production)

Functionality added or changed:

- **Incompatible Change:** For `BINARY` columns, the pad value and how it is handled has changed. The pad value for inserts now is `0x00` rather than space, and there is no stripping of the pad value for selects. For details, see [The BINARY and VARBINARY Types](#).
- **Incompatible Change:** The `CHAR()` function now returns a binary string rather than a string in the connection character set. An optional `USING charset` clause may be used to produce a result in a specific character set instead. Also, arguments larger than 256 produce multiple characters. They are no longer interpreted modulo 256 to produce a single character each. These changes may cause some incompatibilities, as noted in [Upgrading from MySQL 4.0 to 4.1](#).

5.2. Key changes in MySQL 5.1 releases

The following sections list the *Security Fix* and *Incompatible Change* entries from the changelog for MySQL 5.1.

Note

This section only shows selected items from the MySQL Change History. For the full change history for MySQL Server 5.1, see [Changes in release 5.1.x \(Production\)](#).

5.2.1. Changes in MySQL 5.1.32 (14 February 2009)

Bugs fixed:

- **Security Fix:** Using an XPath expression employing a scalar expression as a `FilterExpr` with `ExtractValue()` or `UpdateXML()` caused the server to crash. Such expressions now cause an error instead. ([Bug#42495](#))
- **Incompatible Change:** The fix for [Bug#33699](#) introduced a change to the `UPDATE` statement such that assigning `NULL` to a `NOT NULL` column caused an error even when strict SQL mode was not enabled. The original behavior before was that such assignments caused an error only in strict SQL mode, and otherwise set the column to the implicit default value for the column data type and generated a warning. (For information about implicit default values, see [Data Type Default Values](#).)

The change caused compatibility problems for applications that relied on the original behavior. It also caused replication problems between servers that had the original behavior and those that did not, for applications that assigned `NULL` to `NOT NULL` columns in `UPDATE` statements without strict SQL mode enabled. This change has been reverted so that `UPDATE` again had the original behavior. Problems can still occur if you replicate between servers that have the modified `UPDATE` behavior and those that do not. ([Bug#39265](#))

5.2.2. Changes in MySQL 5.1.31sp1 [QSP] (19 March 2009)

This is a *Service Pack* release of the MySQL Enterprise Server 5.1.

Bugs fixed:

- **Security Fix:** Using an XPath expression employing a scalar expression as a `FilterExpr` with `ExtractValue()` or `UpdateXML()` caused the server to crash. Such expressions now cause an error instead. ([Bug#42495](#))

5.2.3. Changes in MySQL 5.1.29 (11 October 2008)

Bugs fixed:

- **Incompatible Change: Replication:** The default binary logging mode has been changed from `MIXED` to `STATEMENT` for compatibility with MySQL 5.0. ([Bug#39812](#))
- **Incompatible Change:** `CHECK TABLE ... FOR UPGRADE` did not check for incompatible collation changes made in MySQL 5.1.21 ([Bug#29499](#)) and 5.1.23 ([Bug#27562](#), [Bug#29461](#)). This also affects `mysqlcheck` and `mysql_upgrade`, which cause that statement to be executed. See [Checking Whether Table Indexes Must Be Rebuilt](#). ([Bug#39585](#))

See also [Bug#40984](#).

- **Incompatible Change:** In connection with view creation, the server created `arc` directories inside database directories and maintained useless copies of `.frm` files there. Creation and renaming procedures of those copies as well as creation of `arc` directories has been discontinued.

This change does cause a problem when downgrading to older server versions which manifests itself under these circumstances:

1. Create a view `v_orig` in MySQL 5.1.29 or higher.
2. Rename the view to `v_new` and then back to `v_orig`.
3. Downgrade to an older 5.1.x server and run `mysql_upgrade`.
4. Try to rename `v_orig` to `v_new` again. This operation fails.

As a workaround to avoid this problem, use either of these approaches:

- Dump your data using `mysqldump` before downgrading and reload the dump file after downgrading.
- Instead of renaming a view after the downgrade, drop it and recreate it.

The downgrade problem introduced by the fix for this bug has been addressed as [Bug#40021](#). ([Bug#17823](#))

5.2.4. Changes in MySQL 5.1.28 (28 August 2008)

Bugs fixed:

- **Important Change: Security Fix:** Additional corrections were made for the symlink-related privilege problem originally addressed in MySQL 5.1.24. The original fix did not correctly handle the data directory path name if it contained symlinked dir-

ectories in its path, and the check was made only at table-creation time, not at table-opening time later. (Bug#32167, CVE-2008-2079)

See also Bug#39277.

- **Incompatible Change:** There were some problems using `DllMain()` hook functions on Windows that automatically do global and per-thread initialization for `libmysqld.dll`:
 - Per-thread initialization: MySQL internally counts the number of active threads, which causes a delay in `my_end()` if not all threads have exited. But there are threads that can be started either by Windows internally (often in TCP/IP scenarios) or by users. Those threads do not necessarily use `libmysql.dll` functionality but still contribute to the open-thread count. (One symptom is a five-second delay in times for PHP scripts to finish.)
 - Process-initialization: `my_init()` calls `WSAStartup` that itself loads DLLs and can lead to a deadlock in the Windows loader.

To correct these problems, DLL initialization code now is not invoked from `libmysql.dll` by default. To obtain the previous behavior (DLL initialization code will be called), set the `LIBMYSQL_DLLINIT` environment variable to any value. This variable exists only to prevent breakage of existing Windows-only applications that do not call `mysql_thread_init()` and work okay today. Use of `LIBMYSQL_DLLINIT` is discouraged and is removed in MySQL 6.0. (Bug#37226, Bug#33031)

- **Incompatible Change:** Some performance problems of `SHOW ENGINE INNODB STATUS` were reduced by removing `used cells` and `Total number of lock structs in row lock hash table` from the output. Now these values are present only if the `UNIV_DEBUG` symbol is defined at MySQL build time. (Bug#36941, Bug#36942)
- **Incompatible Change:** `SHOW STATUS` took a lot of CPU time for calculating the value of the `Innodb_buffer_pool_pages_latched` status variable. Now this variable is calculated and included in the output of `SHOW STATUS` only if the `UNIV_DEBUG` symbol is defined at MySQL build time. (Bug#36600)
- **Incompatible Change:** An additional correction to the original MySQL 5.1.23 fix was made to normalize directory names before adding them to the list of directories. This prevents `/etc/` and `/etc` from being considered different, for example. (Bug#20748)

See also Bug#38180.

5.2.5. Changes in MySQL 5.1.23 (29 January 2008)

Functionality added or changed:

- **Important Change: Partitioning: Security Fix:** It was possible, by creating a partitioned table using the `DATA DIRECTORY` and `INDEX DIRECTORY` options to gain privileges on other tables having the same name as the partitioned table. As a result of this fix, any table-level `DATA DIRECTORY` or `INDEX DIRECTORY` options are now ignored for partitioned tables. (Bug#32091, CVE-2007-5970)

See also Bug#29325, Bug#32111.

- **Incompatible Change:** In MySQL 5.1.6, when log tables were implemented, the default log destination for the general query and slow query log was `TABLE`. This default has been changed to `FILE`, which is compatible with MySQL 5.0, but incompatible with earlier releases of MySQL 5.1 from 5.1.6 to 5.1.20. If you are upgrading from MySQL 5.0 to 5.1.21 or higher, no logging option changes should be necessary. However, if you are upgrading from 5.1.6 through 5.1.20 to 5.1.21 or higher and were using `TABLE` logging, use the `--log-output=TABLE` option explicitly to preserve your server's table-logging behavior.

The MySQL 5.1.23 fix is in addition to a fix in 5.1.21 because it turned out that the default was set in two places, only one of which was fixed the first time. (Bug#29993)

- **Incompatible Change**

The parser accepted statements that contained `/* ... */` that were not properly closed with `*/`, such as `SELECT 1 /* + 2`. Statements that contain unclosed `/*`-comments now are rejected with a syntax error.

This fix has the potential to cause incompatibilities. Because of Bug#26302, which caused the trailing `*/` to be truncated from comments in views, stored routines, triggers, and events, it is possible that objects of those types may have been stored with definitions that now will be rejected as syntactically invalid. Such objects should be dropped and re-created so that their definitions do not contain truncated comments. (Bug#28779)

Bugs fixed:

- **Security Fix: Replication:** It was possible for any connected user to issue a `BINLOG` statement, which could be used to escalate privileges.

Use of the `BINLOG` statement now requires the `SUPER` privilege. (Bug#31611, CVE-2007-6313)

- **Security Fix:** Three vulnerabilities in yaSSL versions 1.7.5 and earlier were discovered that could lead to a server crash or execution of unauthorized code. The exploit requires a server with yaSSL enabled and TCP/IP connections enabled, but does not require valid MySQL account credentials. The exploit does not apply to OpenSSL.

Note

The proof-of-concept exploit is freely available on the Internet. Everyone with a vulnerable MySQL configuration is advised to upgrade *immediately*.

(Bug#33814, CVE-2008-0226, CVE-2008-0227)

- **Security Fix:** Using `RENAME TABLE` against a table with explicit `DATA DIRECTORY` and `INDEX DIRECTORY` options can be used to overwrite system table information by replacing the symbolic link points. the file to which the symlink points.

MySQL will now return an error when the file to which the symlink points already exists. (Bug#32111, CVE-2007-5969)

- **Security Fix:** `ALTER VIEW` retained the original `DEFINER` value, even when altered by another user, which could allow that user to gain the access rights of the view. Now `ALTER VIEW` is allowed only to the original definer or users with the `SUPER` privilege. (Bug#29908)
- **Security Fix:** When using a `FEDERATED` table, the local server could be forced to crash if the remote server returned a result with fewer columns than expected. (Bug#29801)
- **Incompatible Change:** It is no longer possible to create `CSV` tables with `NULL` columns. However, for backwards compatibility, you can continue to use such tables that were created in previous MySQL releases. (Bug#32050)
- **Incompatible Change:** With `ONLY_FULL_GROUP_BY` SQL mode enabled, queries such as `SELECT a FROM t1 HAVING COUNT(*) > 2` were not being rejected as they should have been.

This fix results in the following behavior:

- There is a check against mixing group and non-group columns *only* when `ONLY_FULL_GROUP_BY` is enabled.
- This check is done both for the select list and for the `HAVING` clause if there is one.

This behavior differs from previous versions as follows:

- Previously, the `HAVING` clause was not checked when `ONLY_FULL_GROUP_BY` was enabled; now it is checked.
- Previously, the select list was checked even when `ONLY_FULL_GROUP_BY` was not enabled; now it is checked only when `ONLY_FULL_GROUP_BY` is enabled.

(Bug#31794)

- **Incompatible Change:** Inserting a row with a `NULL` value for a `DATETIME` column results in a `CSV` file that the storage engine cannot read.

All `CSV` tables now need to be defined with each column marked as `NOT NULL`. An error is raised if you try to create a `CSV` table with columns that are not defined with `NOT NULL`. (Bug#31473, Bug#32817)

- **Incompatible Change:** `SET PASSWORD` statements now cause an implicit commit, and thus are prohibited within stored functions and triggers. (Bug#30904)
- **Incompatible Change:** The `mysql_install_db` script could fail to locate some components (including `resolveip`) during execution if the `--basedir` option was specified on the command-line or within the `my.cnf` file. This was due to a conflict when comparing the compiled-in values and the supplied values.

The `--source-install` command-line option to the script has been removed and replaced with the `--srcdir` option. `mysql_install_db` now locates components either using the compiled-in options, the `--basedir` option or `--srcdir` option. (Bug#30759)

- **Incompatible Change:** Multiple-table `DELETE` statements containing ambiguous aliases could have unintended side effects such as deleting rows from the wrong table. Example:

```
DELETE FROM t1 AS a2 USING t1 AS a1 INNER JOIN t2 AS a2;
```

Now alias declarations can be declared only in the `table_references` part. Elsewhere in the statement, alias references are allowed but not alias declarations. Statements containing aliases that are no longer allowed must be rewritten. (Bug#30234)

See also Bug#27525.

- **Incompatible Change:** Within a stored routine, it is no longer allowable to declare a cursor for a `SHOW` or `DESCRIBE` statement. This happened to work in some instances, but is no longer supported. In many cases, a workaround for this change is to use the cursor with a `SELECT` query to read from an `INFORMATION_SCHEMA` table that produces the same information as the `SHOW` statement. (Bug#29223)
- **Incompatible Change:** It was possible to create a view having a column whose name consisted of an empty string or space characters only.

One result of this bug fix is that aliases for columns in the view `SELECT` statement are checked to ensure that they are legal column names. In particular, the length must be within the maximum column length of 64 characters, not the maximum alias length of 256 characters. This can cause problems for replication or loading dump files. For additional information and workarounds, see [Restrictions on Views](#). (Bug#27695)

See also Bug#31202.

- **Incompatible Change:** Several type-preserving functions and operators returned an incorrect result type that does not match their argument types: `COALESCE()`, `IF()`, `IFNULL()`, `LEAST()`, `GREATEST()`, `CASE`. These now aggregate using the precise SQL types of their arguments rather than the internal type. In addition, the result type of the `STR_TO_DATE()` function is now `DATETIME` by default. (Bug#27216)
- **Incompatible Change:** `GRANT` and `REVOKE` statements now cause an implicit commit, and thus are prohibited within stored functions and triggers. (Bug#21975, Bug#21422, Bug#17244)
- **Incompatible Change:** It was possible for option files to be read twice at program startup, if some of the standard option file locations turned out to be the same directory. Now duplicates are removed from the list of files to be read.

Also, users could not override system-wide settings using `~/my.cnf` because `SYSCONFDIR/my.cnf` was read last. The latter file now is read earlier so that `~/my.cnf` can override system-wide settings.

The fix for this problem had a side effect such that on Unix, MySQL programs looked for options in `~/my.cnf` rather than the standard location of `~/my.cnf`. That problem was addressed as Bug#38180. (Bug#20748)

- **Incompatible Change:** A number of problems existed in the implementation of `MERGE` tables that could cause problems. The problems are summarized below:
 - Bug#26379 - Combination of `FLUSH TABLE` and `REPAIR TABLE` corrupts a `MERGE` table. This was caused in a number of situations:
 1. A thread trying to lock a `MERGE` table performs busy waiting while `REPAIR TABLE` or a similar table administration task is ongoing on one or more of its MyISAM tables.
 2. A thread trying to lock a `MERGE` table performs busy waiting until all threads that did `REPAIR TABLE` or similar table administration tasks on one or more of its MyISAM tables in `LOCK TABLES` segments do `UNLOCK TABLES`. The difference against problem #1 is that the busy waiting takes place after the administration task. It is terminated by `UNLOCK TABLES` only.
 3. Two `FLUSH TABLES` within a `LOCK TABLES` segment can invalidate the lock. This does not require a `MERGE` table. The first `FLUSH TABLES` can be replaced by any statement that requires other threads to reopen the table. In 5.0 and 5.1 a single `FLUSH TABLES` can provoke the problem.
 - Bug#26867 - Simultaneously executing `LOCK TABLES` and `REPAIR TABLE` on a `MERGE` table would result in memory/cpu hogging.

Trying DML on a `MERGE` table, which has a child locked and repaired by another thread, made an infinite loop in the server.
 - Bug#26377 - Deadlock with `MERGE` and `FLUSH TABLE`

Locking a `MERGE` table and its children in parent-child order and flushing the child deadlocked the server.
 - Bug#25038 - Waiting `TRUNCATE`

Truncating a `MERGE` child, while the `MERGE` table was in use, let the truncate fail instead of waiting for the table to become free.

- [Bug#25700](#) - `MERGE` base tables get corrupted by `OPTIMIZE/ANALYZE/REPAIR TABLE`
Repairing a child of an open `MERGE` table corrupted the child. It was necessary to `FLUSH` the child first.
- [Bug#30275](#) - `MERGE` tables: `FLUSH TABLES` or `UNLOCK TABLES` causes server to crash.
Flushing and optimizing locked `MERGE` children crashed the server.
- [Bug#19627](#) - temporary merge table locking
Use of a temporary `MERGE` table with non-temporary children could corrupt the children.
Temporary tables are never locked. Creation of tables with non-temporary children of a temporary `MERGE` table is now prohibited.
- [Bug#27660](#) - `Falcon`: `MERGE` table possible
It was possible to create a `MERGE` table with non-`MyISAM` children.
- [Bug#30273](#) - `MERGE` tables: Can't lock file (errno: 155)
This was a Windows-only bug. Table administration statements sometimes failed with "Can't lock file (errno: 155)".

The fix introduces the following changes in behavior:

- This patch changes the behavior of temporary `MERGE` tables. Temporary `MERGE` must have temporary children. The old behavior was wrong. A temporary table is not locked. Hence even non-temporary children were not locked. See [Bug#19627](#).
- You cannot change the union list of a non-temporary `MERGE` table when `LOCK TABLES` is in effect. The following does *not* work:

```
CREATE TABLE m1 ... ENGINE=MRG_MYISAM ...;
LOCK TABLES t1 WRITE, t2 WRITE, m1 WRITE;
ALTER TABLE m1 ... UNION=(t1,t2) ...;
```

However, you can do this with a temporary `MERGE` table.

- You cannot create a `MERGE` table with `CREATE ... SELECT`, neither as a temporary `MERGE` table, nor as a non-temporary `MERGE` table. For example, `CREATE TABLE m1 ... ENGINE=MRG_MYISAM ... SELECT ...;` causes the error message: `TABLE IS NOT BASE TABLE`.

([Bug#19627](#), [Bug#25038](#), [Bug#25700](#), [Bug#26377](#), [Bug#26379](#), [Bug#26867](#), [Bug#27660](#), [Bug#30275](#), [Bug#30491](#))

5.2.6. Changes in MySQL 5.1.21 (16 August 2007)

Functionality added or changed:

- **Incompatible Change:** In MySQL 5.1.6, when log tables were implemented, the default log destination for the general query and slow query log was `TABLE`. This default has been changed to `FILE`, which is compatible with MySQL 5.0, but incompatible with earlier releases of MySQL 5.1 from 5.1.6 to 5.1.20. If you are upgrading from MySQL 5.0 to 5.1.21 or higher, no logging option changes should be necessary. However, if you are upgrading from 5.1.6 through 5.1.20 to 5.1.21 or higher and were using `TABLE` logging, use the `--log-output=TABLE` option explicitly to preserve your server's table-logging behavior.

A further fix for this issue was made in MySQL 5.1.23. ([Bug#29993](#))

- **Incompatible Change:** The `innodb_log_arch_dir` system variable (which has been deprecated since MySQL 5.0.24) has been removed and should no longer be used.
- **Incompatible Change:** On Windows only, the `mysqld-nt` has been removed from this release and all future releases. The `mysqld` server now includes named-pipe support as standard, and you do not have to use the `mysqld-nt` version to enable named-pipe support.

Bugs fixed:

- **Incompatible Change:** Failure to consider collation when comparing space characters could result in incorrect index entry order, leading to incorrect comparisons, inability to find some index values, misordered index entries, misordered `ORDER BY` results, or tables that `CHECK TABLE` reports as having corrupt indexes.

As a result of this bug fix, indexes must be rebuilt for columns that use any of these character sets: `eurjpm`, `eurkr`, `gb2312`, `latin7`, `macc`, `ujis`. See [Checking Whether Table Indexes Must Be Rebuilt. \(Bug#29461\)](#)

- **Incompatible Change:** Several issues were identified for stored programs (stored procedures and functions, triggers, and events) and views containing non-ASCII symbols. These issues involved conversion errors due to incomplete character set information when translating these objects to and from stored format, such as:
 - Parsing the original object definition so that it can be stored.
 - Compiling the stored definition into executable form when the object is invoked.
 - Retrieval of object definitions from `INFORMATION_SCHEMA` tables.
 - Displaying the object definition in `SHOW` statements. This issue also affected `mysqldump`, which uses `SHOW`.

The fix for the problems is to store character set information from the object creation context so that this information is available when the object needs to be used later. The context includes the client character set, the connection character set and collation, and the collation of the database with which the object is associated.

As a result of the patch, several tables have new columns:

- In the `mysql` database, the `proc` and `event` tables now have these columns: `character_set_client`, `collation_connection`, `db_collation`, `body_utf8`.
- In `INFORMATION_SCHEMA`, the `VIEWS` table now has these columns: `CHARACTER_SET_CLIENT`, `COLLATION_CONNECTION`. The `ROUTINES`, `TRIGGERS`, and `EVENTS` tables now have these columns: `CHARACTER_SET_CLIENT`, `COLLATION_CONNECTION`, `DATABASE_COLLATION`.

These columns store the session values of the `character_set_client` and `collation_connection` system variables, and the collation of the database with which the object is associated. The values are those in effect at object creation time. (The saved database collation is not the value of the `collation_database` system variable, which applies to the default database; the database that contains the object is not necessarily the default database.)

Several `SHOW` statements now display additional columns corresponding to the new table columns. These statements are: `SHOW CREATE EVENT`, `SHOW CREATE FUNCTION`, `SHOW CREATE PROCEDURE`, `SHOW CREATE VIEW`, `SHOW EVENTS`, `SHOW FUNCTION STATUS`, `SHOW PROCEDURE STATUS`, `SHOW TRIGGERS`.

A new statement, `SHOW CREATE TRIGGER` is introduced and is used by `mysqldump` for producing `CREATE TRIGGER` statements.

Subsequent to the patch just described, it was discovered that the patch broke `mysql_upgrade`; this has been corrected.

Important

The fixes for the problems just describe affect *all* existing stored programs and views. (For example, you will see warnings about “no creation context.”) To avoid warnings from the server about the use of old definitions from any release prior to 5.1.21, you should dump stored programs and views with `mysqldump` after upgrading to 5.1.21, and then reload them to recreate them with new definitions. Invoke `mysqldump` with a `--default-character-set` option that names the non-ASCII character set that was used for the definitions when the objects were originally defined.

([Bug#25221](#), [Bug#21249](#), [Bug#30027](#), [Bug#16291](#), [Bug#11986](#), [Bug#25212](#), [Bug#19443](#), [Bug#30029](#))

5.2.7. Changes in MySQL 5.1.20 (25 June 2007)

Functionality added or changed:

- **Incompatible Change:** It is no longer possible to partition the log tables. ([Bug#27816](#))
- **Incompatible Change:** `mysqld_safe` now supports error logging to `syslog` on systems that support the `logger` command. The new `--syslog` and `--skip-syslog` options can be used instead of the `--log-error` option to control logging behavior, as described in `mysqld_safe`. The default is to use `syslog`, which differs from the previous default behavior of writing an error log file.

Currently, logging to `syslog` may fail to operate correctly in some cases, so we recommend that you use `--skip-syslog` or `--log-error`. To maintain the older behavior if you were using no error-logging option, use `--skip-syslog`. If you were using `--log-error`, continue to use it.

Note: In 5.1.21, the default is changed to `--skip-syslog`, which is compatible with releases prior to 5.1.20. ([Bug#4858](#))

Bugs fixed:

- **Security Fix:** A malformed password packet in the connection protocol could cause the server to crash. Thanks for Dormando for reporting this bug, and for providing details and a proof of concept. ([Bug#28984](#), [CVE-2007-3780](#))
- **Security Fix:** `CREATE TABLE LIKE` did not require any privileges on the source table. Now it requires the `SELECT` privilege.

In addition, `CREATE TABLE LIKE` was not isolated from alteration by other connections, which resulted in various errors and incorrect binary log order when trying to execute concurrently a `CREATE TABLE LIKE` statement and either DDL statements on the source table or DML or DDL statements on the target table. ([Bug#23667](#), [Bug#25578](#), [CVE-2007-3781](#))

- **Incompatible Change:** Some error codes had error numbers in MySQL 5.1 different from the numbers in MySQL 5.0. In MySQL 5.1, error numbers have been changed to match the MySQL 5.0 values: Error codes with value of 1458 or higher have been changed in MySQL 5.1 now. Client applications designed to work with MySQL 5.1 with hard-coded error code values (for example, in statements such as `if (mysql_errno(mysql) == 1463) { ... }`) need to be updated in the source code. All clients designed to work with MySQL 5.1 that test error codes (for example, in statements such as `if (mysql_errno(mysql) == ER_VIEW_RECURSIVE) { ... }`) should be recompiled. Existing 5.0 clients should now work, without changes or recompilation, against servers for MySQL 5.1.20 or higher. ([Bug#29245](#))
- **Incompatible Change:** When `mysqldump` was run with the `--delete-master-logs` option, binary log files were deleted before it was known that the dump had succeeded, not after. (The method for removing log files used `RESET MASTER` prior to the dump. This also reset the binary log sequence numbering to `.000001`.) Now `mysqldump` flushes the logs (which creates a new binary log number with the next sequence number), performs the dump, and then uses `PURGE BINARY LOGS` to remove the log files older than the new one. This also preserves log numbering because the new log with the next number is generated and only the preceding logs are removed. However, this may affect applications if they rely on the log numbering sequence being reset. ([Bug#24733](#))
- **Incompatible Change:** The use of an `ORDER BY` or `DISTINCT` clause with a query containing a call to the `GROUP_CONCAT()` function caused results from previous queries to be redisplayed in the current result. The fix for this includes replacing a `BLOB` value used internally for sorting with a `VARCHAR`. This means that for long results (more than 65,535 bytes), it is possible for truncation to occur; if so, an appropriate warning is issued. ([Bug#23856](#), [Bug#28273](#))

5.2.8. Changes in MySQL 5.1.19 (25 May 2007)

Functionality added or changed:

- **Incompatible Change:** `INSERT DELAYED` is now downgraded to a normal `INSERT` if the statement uses functions that access tables or triggers, or that is called from a function or a trigger.

This was done to resolve the following interrelated issues:

- The server could abort or deadlock for `INSERT DELAYED` statements for which another insert was performed implicitly (for example, via a stored function that inserted a row).
- A trigger using an `INSERT DELAYED` caused the error `INSERT DELAYED CAN'T BE USED WITH TABLE ... BECAUSE IT IS LOCKED WITH LOCK TABLES` although the target table was not actually locked.
- `INSERT DELAYED` into a table with a `BEFORE INSERT` or `AFTER INSERT` trigger gave an incorrect `NEW` pseudo-column value and caused the server to deadlock or abort.

([Bug#21483](#))

See also [Bug#20497](#), [Bug#21714](#).

Bugs fixed:

- **Security Fix:** UDFs are supposed to be loadable only from the plugin directory, but this restriction was not being enforced. ([Bug#28341](#))
- **Security Fix:** Use of a view could allow a user to gain update privileges for tables in other databases. ([Bug#27878](#), [CVE-2007-3782](#))

5.2.9. Changes in MySQL 5.1.18 (08 May 2007)

Functionality added or changed:

- **Incompatible Change: MySQL Cluster:** The internal specifications for columns in `NDB` tables has changed to allow compatibility with future MySQL Cluster releases that are expected to implement online adding and dropping of columns. This change is not backward compatible with earlier versions of MySQL Cluster.

See [the related note](#) in [MySQL Cluster 4.1 Upgrade and Downgrade Compatibility](#), for important information prior to upgrading a MySQL Cluster to MySQL 5.1.18 or later from MySQL 5.1.17 or earlier.

See also [Bug#28205](#).

- **Incompatible Change: Replication:** The `INFORMATION_SCHEMA.EVENTS` and `mysql.event` tables have been changed to facilitate replication of events. When upgrading to MySQL 5.1.18, you must run `mysql_upgrade` prior to working with events. Until you have done so, any statement relating to the Event Scheduler or these tables (including `SHOW EVENTS`) will fail with the errors `EXPECTED FIELD STATUS AT POSITION 12 TO HAVE TYPE ENUM ('ENABLED', 'SLAVESIDE_DISABLED', 'DISABLED')`, `FOUND ENUM('ENABLED', 'DISABLED')` and `TABLE MYSQL.EVENT IS DAMAGED. CAN NOT OPEN`.

These changes were made as part of fixes for the following bugs:

- The effects of scheduled events were not replicated (that is, binary logging of scheduled events did not work).
- Effects of scheduled events on a replication master were both replicated and executed on the slave, causing double execution of events.
- `CREATE FUNCTION` statements and their effects were not replicated correctly.

For more information, see [Replication of Invoked Features](#). ([Bug#17857](#), [Bug#16421](#), [Bug#20384](#), [Bug#17671](#))

- **Cluster Replication: Incompatible Change:** The definition of the `mysql.ndb_apply_status` table has changed such that an online upgrade is not possible from MySQL 5.1.17 or earlier for a replication slave cluster; you must shut down all SQL nodes as part of the upgrade procedure. See [MySQL Cluster 4.1 Upgrade and Downgrade Compatibility](#) before upgrading for details.

For more information about the changes to `mysql.ndb_apply_status` see [MySQL Cluster Replication Schema and Tables](#).

- **Incompatible Change:** Prior to this release, when `DATE` values were compared with `DATETIME` values, the time portion of the `DATETIME` value was ignored, or the comparison could be performed as a string compare. Now a `DATE` value is coerced to the `DATETIME` type by adding the time portion as `00:00:00`. To mimic the old behavior, use the `CAST()` function as shown in this example: `SELECT date_col = CAST(NOW() AS DATE) FROM table;` ([Bug#28929](#))

Bugs fixed:

- **Security Fix:** The requirement of the `DROP` privilege for `RENAME TABLE` was not enforced. ([Bug#27515](#), [CVE-2007-2691](#))
- **Security Fix:** If a stored routine was declared using `SQL SECURITY INVOKER`, a user who invoked the routine could gain privileges. ([Bug#27337](#), [CVE-2007-2692](#))
- **Security Fix:** A user with only the `ALTER` privilege on a partitioned table could obtain information about the table that should require the `SELECT` privilege. ([Bug#23675](#), [CVE-2007-2693](#))

5.2.10. Changes in MySQL 5.1.17 (04 April 2007)

Functionality added or changed:

- **Incompatible Change:** Scheduled events now use the MySQL server time zone to determine their schedules, rather than UTC as in previous releases. Because of this change, scheduled event metadata now includes time zone information, which can be seen in the `TIME_ZONE` column of the `INFORMATION_SCHEMA.EVENTS` table and the `Time zone` column in the output of the `SHOW EVENTS` statement. These columns have been added in this release, along with a `time_zone` column in the `mysql.event` table. Due to these changes, events created in previous versions of MySQL cannot be created, viewed, or used until `mysql.event` has been upgraded. ([Bug#16420](#))

Bugs fixed:

- **Incompatible Change:** `INSERT DELAYED` statements are not supported for `MERGE` tables, but the `MERGE` storage engine was not rejecting such statements, resulting in table corruption. Applications previously using `INSERT DELAYED` into `MERGE` table will break when upgrading to versions with this fix. To avoid the problem, remove `DELAYED` from such statements. (Bug#26464)

5.2.11. Changes in MySQL 5.1.16 (26 February 2007)

Functionality added or changed:

- **Cluster API: Incompatible Change:** The `AbortOption` type is now a member of the `NdbOperation` class; its values and behavior have also changed. `NdbTransaction::AbortOption` can no longer be used, and applications written against the NDB API may need to be rewritten and recompiled to accommodate these changes. For more information about this change, see [The NdbOperation::AbortOption Type](#).

This also affects the behavior of the `NdbTransaction::execute()` method, which now reports failure only if the transaction was actually aborted. See `NdbTransaction::execute()`, for more information.

Bugs fixed:

- **Security Fix:** Using an `INFORMATION_SCHEMA` table with `ORDER BY` in a subquery could cause a server crash.

We would like to thank Oren Isacson of Flowgate Security Consulting and Stefan Streichsbier of SEC Consult for informing us of this problem. (Bug#24630, Bug#26556, CVE-2007-1420)

5.2.12. Changes in MySQL 5.1.15 (25 January 2007)

Functionality added or changed:

- **Incompatible Change: MySQL Cluster:** The `LockPagesInMainMemory` configuration parameter has changed its type and possible values. For more information, see [LockPagesInMainMemory](#).

Important

The values `true` and `false` are no longer accepted for this parameter. If you were using this parameter and had it set to `false` in a previous release, you must change it to `0`. If you had this parameter set to `true`, you should instead use `1` to obtain the same behavior as previously, or `2` to take advantage of new functionality introduced with this release, as described in the section cited above.

(Bug#25686)

- **Incompatible Change:** `InnoDB` rolls back only the last statement on a transaction timeout. A new option, `-innodb_rollback_on_timeout`, causes `InnoDB` to abort and roll back the entire transaction if a transaction timeout occurs (the same behavior as in MySQL 5.0.13 and earlier). (Bug#24200)
- **Incompatible Change:** Previously, the `DATE_FORMAT()` function returned a binary string. Now it returns a string with a character set and collation given by `character_set_connection` and `collation_connection` so that it can return month and weekday names containing non-ASCII characters. (Bug#22646)
- **Incompatible Change:** The following conditions apply to enabling the `read_only` system variable:
 - If you attempt to enable `read_only` while you have any explicit locks (acquired with `LOCK TABLES` or have a pending transaction, an error will occur.
 - If other clients hold explicit table locks or have pending transactions, the attempt to enable `read_only` blocks until the locks are released and the transactions end. While the attempt to enable `read_only` is pending, requests by other clients for table locks or to begin transactions also block until `read_only` has been set.
 - `read_only` can be enabled while you hold a global read lock (acquired with `FLUSH TABLES WITH READ LOCK`) because that does not involve table locks.

Previously, the attempt to enable `read_only` would return immediately even if explicit locks or transactions were pending, so

some data changes could occur for statements executing in the server at the same time. ([Bug#22009](#), [Bug#11733](#))

- **Incompatible Change:** Previously, the `ARCHIVE` storage engine created a metadata file with an extension of `.ARM` for each table. The engine no longer creates this file.

Bugs fixed:

- **Incompatible Change:** For `ENUM` columns that had enumeration values containing commas, the commas were mapped to `0xff` internally. However, this rendered the commas indistinguishable from true `0xff` characters in the values. This no longer occurs. However, the fix requires that you dump and reload any tables that have `ENUM` columns containing any true `0xff` values. Dump the tables using `mysqldump` with the current server before upgrading from a version of MySQL 5.1 older than 5.1.15 to version 5.1.15 or newer. ([Bug#24660](#))

5.2.13. Changes in MySQL 5.1.14 (05 December 2006)

Functionality added or changed:

- **Cluster Replication: Incompatible Change:** Two major changes have taken place with regard to the MySQL Cluster system tables. These are:
 1. The `cluster` database is no longer used. The tables formerly found in the `cluster` database are now in the `mysql` database, and have been renamed as `ndb_binlog_index`, `ndb_apply_status`, and `ndb_schema`.
 2. The `mysql.ndb_apply_status` and `mysql.ndb_schema` tables (formerly `cluster.apply_status` and `cluster.schema`) are now created by `ndb_restore`, in the event that they do not already exist on the slave cluster.

Note

When upgrading from versions of MySQL previous to 5.1.14 to 5.1.14 or later, `mysql_fix_privilege_tables` merely creates a new `mysql.ndb_binlog_index` table, but does not remove the existing `cluster` database (or, if upgrading from MySQL 5.1.7 or earlier, the existing `cluster_replication` database), nor any of the tables in it.

For more information, see [MySQL Cluster Replication Schema and Tables](#). ([Bug#14612](#))

- **Cluster Replication: Incompatible Change:** The `cluster` database is no longer used. The tables formerly found in the `cluster` database are now in the `mysql` database, and have been renamed as `ndb_binlog_index`, `ndb_apply_status`, and `ndb_schema`.
- **Incompatible Change:** The `prepared_stmt_count` system variable has been converted to the `Prepared_stmt_count` global status variable (viewable with the `SHOW GLOBAL STATUS` statement). ([Bug#23159](#))
- **Incompatible Change:** Previously, you could create a user-defined function (UDF) or stored function with the same name as a built-in function, but could not invoke the UDF. Now an error occurs if you try to create such a UDF. The server also now generates a warning if you create a stored function with the same name as a built-in function. It is not considered an error to create a stored function with the same name as a built-in function because you can invoke the function using `db_name.func_name()` syntax. However, the server now generates a warning in this case.

See [Function Name Parsing and Resolution](#), for the rules describing how the server interprets references to different kinds of functions. ([Bug#22619](#), [Bug#18239](#))

5.2.14. Changes in MySQL 5.1.13 (Not released)

Functionality added or changed:

- **Incompatible Change:** The number of function names affected by `IGNORE_SPACE` was reduced significantly in MySQL 5.1.13, from about 200 to about 30. (For details about `IGNORE_SPACE`, see [Function Name Parsing and Resolution](#).) This change improves the consistency of parser operation. However, it also introduces the possibility of incompatibility for old SQL code that relies on the following conditions:
 - `IGNORE_SPACE` is disabled.
 - The presence or absence of whitespace following a function name is used to distinguish between a built-in function and

stored function that have the same name (for example, `PI()` versus `PI ()`).

For functions that are no longer affected by `IGNORE_SPACE` as of MySQL 5.1.13, that strategy no longer works. Either of the following approaches can be used if you have code that is subject to the preceding incompatibility:

- If a stored function has a name that conflicts with a built-in function, refer to the stored function with a schema name qualifier, regardless of whether whitespace is present. For example, write `schema_name.PI()` or `schema_name.PI ()`.
- Alternatively, rename the stored function to use a non-conflicting name and change invocations of the function to use the new name.

([Bug#21114](#))

- **Incompatible Change:** The `innodb_buffer_pool_ave_mem_mb` system variable has been removed and should no longer be used.

5.2.15. Changes in MySQL 5.1.12 (24 October 2006)

Functionality added or changed:

- **Incompatible Change: MySQL Cluster:** MySQL Cluster node and system restarts formerly required that all fragments use the same local checkpoint (LCP); beginning with this version, it is now possible for different fragments to use different LCPs during restarts. This means that data node file systems must be rebuilt as part of any upgrade to this version by restarting all data nodes with the `--initial` option.

See [MySQL Cluster 4.1 Upgrade and Downgrade Compatibility](#), and related sections of the Manual before upgrading a MySQL Cluster to version 5.1.12 or later. ([Bug#21478](#), [Bug#21271](#))

- **Incompatible Change:** In the `INFORMATION_SCHEMA.EVENTS` table, the `EVENT_DEFINITION` column now contains the SQL executed by a scheduled event.

The `EVENT_BODY` column now contains the language used for the statement or statements shown in `EVENT_DEFINITION`. In MySQL 5.1, the value shown in `EVENT_BODY` is always `SQL`.

These changes were made to bring this table into line with the `INFORMATION_SCHEMA.ROUTINES` table, and that table's `ROUTINE_BODY` and `ROUTINE_DEFINITION` columns. ([Bug#16992](#))

- **Incompatible Change:** Support for the BerkeleyDB (BDB) engine has been dropped from this release. Any existing tables that are in BDB format will not be readable from within MySQL from 5.1.12 or newer. You should convert your tables to another storage engine *before* upgrading to 5.1.12.

Because of this change, the `SHOW [BDB] LOGS` statement has been dropped.

- **Incompatible Change:** A number of MySQL constructs are now prohibited in partitioning expressions, beginning with this release. These include the following:
 - A number of MySQL functions. For a complete list of these, see [Partitioning Limitations Relating to Functions](#).
 - The bit operators `|`, `&`, `^`, `<<`, `>>`, and `~`.
 - Nested function calls.
 - Calls to stored routines, UDFs, or plugins.
 - Character-to-integer conversions involving non-8-bit character sets or any of the `latin1_german2_ci`, `latin2_czech_cs`, or `cp1250_czech_cs` collations.

These restrictions were added in part as a result of [Bug#18198](#) and related bug reports.

For more information about these and other restrictions on partitioned tables in MySQL, see [Restrictions and Limitations on Partitioning](#).

- **Incompatible Change:** The permitted values for and behaviour of the `event_scheduler` system variable have changed. Permitted values are now `ON`, `OFF`, and `DISABLED`, with `OFF` being the default. It is not possible to change its value to or from `DISABLED` while the server is running.

For details, see [Event Scheduler Overview](#).

- **Incompatible Change:** The plugin interface has changed: The `st_mysql_plugin` structure has a new `license` member to indicate the license type. (The allowable values are defined in `mysql/plugin.h`.) This change is not backward compatible, so the API version (`MYSQL_PLUGIN_INTERFACE_VERSION`) has changed. For additional information, see [Writing Plugins](#).
- **Incompatible Change:** The full-text parser plugin interface has changed in two ways:

- The `MYSQL_FTPARSER_PARAM` structure has a new `flags` member. This is zero if there are no special flags, or `MYSQL_FTFLAGS_NEED_COPY`, which means that `mysql_add_word()` must save a copy of the word (that is, it cannot use a pointer to the word because the word is in a buffer that will be overwritten.)

This flag might be set or reset by MySQL before calling the parser plugin, by the parser plugin itself, or by the `mysql_parse()` function.

- The `mysql_parse()` and `mysql_add_word()` functions now take a `MYSQL_FTPARSER_PARAM` as their first argument, not a `MYSQL_FTPARSER_PARAM::mysql_ftparam` as before.

These changes are not backward compatible, so the API version (`MYSQL_FTPARSER_INTERFACE_VERSION`) has changed. For additional information, see [Writing Plugins](#).

- **Incompatible Change:** Storage engines can be pluggable at runtime, so the distinction between disabled and invalid storage engines no longer applies. This affects the `NO_ENGINE_SUBSTITUTION` SQL mode, as described in [Server SQL Modes](#).
- **Incompatible Change:** The namespace for scheduled events has changed, such that events are no longer unique to individual users. This also means that a user with the `EVENT` privilege on a given database can now view, alter, or drop any events defined on that database.

If you used scheduled events in an earlier MySQL 5.1 release, you should rename any of them having the same name and defined on the same database but belonging to different users — so that all events in a given database have unique names — *before* upgrading to 5.1.12 (or newer).

For additional information, see [The Event Scheduler and MySQL Privileges](#).

Bugs fixed:

- **Security Fix:** A stored routine created by one user and then made accessible to a different user using `GRANT EXECUTE` could be executed by that user with the privileges of the routine's definer. ([Bug#18630](#), [CVE-2006-4227](#))
- **Security Fix:** On Linux, and possibly other platforms using case-sensitive file systems, it was possible for a user granted rights on a database to create or access a database whose name differed only from that of the first by the case of one or more letters. ([Bug#17647](#), [CVE-2006-4226](#))
- **Security Fix:** If a user has access to `MyISAM` table `t`, that user can create a `MERGE` table `m` that accesses `t`. However, if the user's privileges on `t` are subsequently revoked, the user can continue to access `t` by doing so through `m`. If this behavior is undesirable, you can start the server with the new `--skip-merge` option to disable the `MERGE` storage engine. ([Bug#15195](#), [CVE-2006-4031](#))
- **Incompatible Change:** For `utf8` columns, the full-text parser incorrectly considered several non-word punctuation and whitespace characters as word characters, causing some searches to return incorrect results.

The fix involves a change to the full-text parser, so any tables that have `FULLTEXT` indexes on `utf8` columns must be repaired with `REPAIR TABLE`:

```
REPAIR TABLE tbl_name QUICK;
```

([Bug#19580](#))

5.3. Key changes in MySQL 6.0 releases

The following sections list the *Security Fix* and *Incompatible Change* entries from the changelog for MySQL 6.0.

Note

This section only shows selected items from the MySQL Change History. For the full change history for MySQL Server 6.0, see [Changes in release 6.0.x \(Development\)](#).

5.3.1. Changes in MySQL 6.0.11 (11 May 2009)

Functionality added or changed:

- **Incompatible Change:** The `optimizer_switch` system variable controls optimizations that can be switched on and off. The syntax for flags in its value has changed from `'no_opt_name'` to `'opt_name={on|off|default}'`. For information about the new syntax, see [Using optimizer_switch to Control the Optimizer](#).

Bugs fixed:

- **Incompatible Change:** For system variables that take values of `ON` or `OFF`, `OF` was accepted as a legal variable. Now system variables that take “enumeration” values must be assigned the full value. This affects some other variables that previously could be assigned using unambiguous prefixes of allowable values, such as `tx_isolation`. ([Bug#34828](#))
- **Incompatible Change:** If a data definition language (DDL) statement occurred for a table that was being used by another session in an active transaction, statements could be written to the binary log in the wrong order. For example, this could happen if `DROP TABLE` occurred for a table being used in a transaction. This is now prevented by deferring release of metadata locks on tables used within a transaction until the transaction ends.

This bug fix results in some incompatibilities with previous versions:

- A table that is being used by a transaction within one session cannot be used in DDL statements by other sessions until the transaction ends.
- `FLUSH TABLES WITH READ LOCK` blocks for active transactions that hold metadata locks until those transactions end. The same is true for attempts to set the global value of the `read_only` system variable.

([Bug#989](#))

5.3.2. Changes in MySQL 6.0.10 (03 March 2009)

Bugs fixed:

- **Security Fix:** Using an XPath expression employing a scalar expression as a `FilterExpr` with `ExtractValue()` or `UpdateXML()` caused the server to crash. Such expressions now cause an error instead. ([Bug#42495](#))
- **Incompatible Change:** The fix for [Bug#33699](#) introduced a change to the `UPDATE` statement such that assigning `NULL` to a `NOT NULL` column caused an error even when strict SQL mode was not enabled. The original behavior before was that such assignments caused an error only in strict SQL mode, and otherwise set the column to the implicit default value for the column data type and generated a warning. (For information about implicit default values, see [Data Type Default Values](#).)

The change caused compatibility problems for applications that relied on the original behavior. It also caused replication problems between servers that had the original behavior and those that did not, for applications that assigned `NULL` to `NOT NULL` columns in `UPDATE` statements without strict SQL mode enabled. This change has been reverted so that `UPDATE` again had the original behavior. Problems can still occur if you replicate between servers that have the modified `UPDATE` behavior and those that do not. ([Bug#39265](#))

- **Incompatible Change:** `Falcon` supported case-sensitive tablespace names. The code has been changed so that all tablespace names are converted to uppercase names during creation. Because of this change:
 - It is not possible to drop existing tablespace created by previous versions, if its name wasn't in upper case.
 - It is not possible to create tables using tablespace created by previous versions, if tablespace name wasn't in upper case.

([Bug#35257](#), [Bug#33719](#))

5.3.3. Changes in MySQL 6.0.9 (10 January 2009)

Bugs fixed:

- **Incompatible Change:** `CHECK TABLE ... FOR UPGRADE` did not check for collation changes made in MySQL 6.0.1 to `latin2_czech_cs` ([Bug#25420](#)) or collation changes made in MySQL 6.0.6 to `big5_chinese_ci`, `cp866_general_ci`, `gb2312_chinese_ci`, and `gbk_chinese_ci`. This also affects `mysqlcheck` and `mysql_upgrade`, which cause that statement to be executed. See [Checking Whether Table Indexes Must Be Rebuilt](#). ([Bug#40054](#))

5.3.4. Changes in MySQL 6.0.8 (03 November 2008)

Functionality added or changed:

- **Incompatible Change:** The tables for MySQL Backup logging have been renamed, and the logging capabilities now are more flexible, similar to the capabilities provided for the general query log and slow query log.
 - The names of the MySQL Backup log tables in the `mysql` database have been changed from `online_backup` and `online_backup_progress` to `backup_history` and `backup_progress`.
 - Logging now can be enabled or disabled, it is possible to log to tables or to files, and the names of the log files can be changed. For details, see [MySQL Backup Log Control](#).
 - A new statement, `FLUSH BACKUP LOGS`, closes and reopens the backup log files. A new option for `mysql_refresh()`, `REFRESH_BACKUP_LOG`, performs the same operation.

Bugs fixed:

- **Incompatible Change:** `CHECK TABLE ... FOR UPGRADE` did not check for incompatible collation changes made in MySQL 5.1.21 ([Bug#29499](#)) and 5.1.23 ([Bug#27562](#), [Bug#29461](#)). This also affects `mysqlcheck` and `mysql_upgrade`, which cause that statement to be executed. See [Checking Whether Table Indexes Must Be Rebuilt](#). ([Bug#39585](#))

See also [Bug#40984](#).

- **Incompatible Change:** In connection with view creation, the server created `arc` directories inside database directories and maintained useless copies of `.frm` files there. Creation and renaming procedures of those copies as well as creation of `arc` directories has been discontinued.

This change does cause a problem when downgrading to older server versions which manifests itself under these circumstances:

1. Create a view `v_orig` in MySQL 6.0.8 or higher.
2. Rename the view to `v_new` and then back to `v_orig`.
3. Downgrade to an older 6.0.x server and run `mysql_upgrade`.
4. Try to rename `v_orig` to `v_new` again. This operation fails.

As a workaround to avoid this problem, use either of these approaches:

- Dump your data using `mysqldump` before downgrading and reload the dump file after downgrading.
- Instead of renaming a view after the downgrade, drop it and recreate it.

The downgrade problem introduced by the fix for this bug has been addressed as [Bug#40021](#). ([Bug#17823](#))

5.3.5. Changes in MySQL 6.0.7 (29 September 2008)

Bugs fixed:

- **Incompatible Change:** There were some problems using `DllMain()` hook functions on Windows that automatically do global and per-thread initialization for `libmysqld.dll`:
 - Per-thread initialization: MySQL internally counts the number of active threads, which causes a delay in `my_end()` if not all threads have exited. But there are threads that can be started either by Windows internally (often in TCP/IP scenarios) or by users. Those threads do not necessarily use `libmysql.dll` functionality but still contribute to the open-thread count. (One symptom is a five-second delay in times for PHP scripts to finish.)
 - Process-initialization: `my_init()` calls `WSAStartup` that itself loads DLLs and can lead to a deadlock in the Windows loader.

To correct these problems, DLL initialization code now is not invoked from `libmysql.dll` by default. ([Bug#37226](#), [Bug#33031](#))

- **Incompatible Change:** Some performance problems of `SHOW ENGINE INNODB STATUS` were reduced by removing `used cells` and `Total number of lock structs in row lock hash table` from the output. Now these values are

present only if the `UNIV_DEBUG` symbol is defined at MySQL build time. ([Bug#36941](#), [Bug#36942](#))

5.3.6. Changes in MySQL 6.0.6 (11 August 2008)

Functionality added or changed:

- **Important Change: Incompatible Change:** The `FEDERATED` storage engine is now disabled by default in binary distributions. The engine is still available and can be enabled by starting the server with the `--federated` option. ([Bug#37069](#))
- **Incompatible Change:** The `engines` column in the `mysql.online_backup` table has been renamed to `drivers` to better reflect its contents. ([Bug#34965](#))
- **Incompatible Change:** A change has been made to the way that the server handles prepared statements. This affects prepared statements processed at the SQL level (using the `PREPARE` statement) and those processed using the binary client-server protocol (using the `mysql_stmt_prepare()` C API function).

Previously, changes to metadata of tables or views referred to in a prepared statement could cause a server crash when the statement was next executed, or perhaps an error at execute time with a crash occurring later. For example, this could happen after dropping a table and recreating it with a different definition.

Now metadata changes to tables or views referred to by prepared statements are detected and cause automatic reparation of the statement when it is next executed. Metadata changes occur for DDL statements such as those that create, drop, alter, rename, or truncate tables, or that analyze, optimize, or repair tables. Reparation also occurs after referenced tables or views are flushed from the table definition cache, either implicitly to make room for new entries in the cache, or explicitly due to `FLUSH TABLES`.

Reparation is automatic, but to the extent that it occurs, performance of prepared statements is diminished.

Table content changes (for example, with `INSERT` or `UPDATE`) do not cause reparation, nor do `SELECT` statements.

An incompatibility with previous versions of MySQL is that a prepared statement may now return a different set of columns or different column types from one execution to the next. For example, if the prepared statement is `SELECT * FROM t1`, altering `t1` to contain a different number of columns causes the next execution to return a number of columns different from the previous execution.

Older versions of the client library cannot handle this change in behavior. For applications that use prepared statements with the new server, an upgrade to the new client library is strongly recommended.

Along with this change to statement reparation, the default value of the `table_definition_cache` system variable has been increased from 128 to 256. The purpose of this increase is to lessen the chance that prepared statements will need reparation due to referred-to tables/views having been flushed from the cache to make room for new entries.

A new status variable, `Com_stmt_reprepare`, has been introduced to track the number of reparations. ([Bug#27420](#), [Bug#27430](#), [Bug#27690](#))

Bugs fixed:

- **Important Change: Security Fix:** Additional corrections were made for the symlink-related privilege problem originally addressed in MySQL 6.0.5. The original fix did not correctly handle the data directory path name if it contained symlinked directories in its path, and the check was made only at table-creation time, not at table-opening time later. ([Bug#32167](#), [CVE-2008-2079](#))

See also [Bug#39277](#).

- **Incompatible Change:** `SHOW STATUS` took a lot of CPU time for calculating the value of the `InnoDB_buffer_pool_pages_latched` status variable. Now this variable is calculated and included in the output of `SHOW STATUS` only if the `UNIV_DEBUG` symbol is defined at MySQL build time. ([Bug#36600](#))
- **Incompatible Change:** Access privileges for several statements are more accurately checked:
 - `CHECK TABLE` requires some privilege for the table.
 - `CHECKSUM TABLE` requires `SELECT` for the table.
 - `CREATE TABLE ... LIKE` requires `SELECT` for the source table and `CREATE` for the destination table.
 - `SHOW COLUMNS` displays information only for those columns you have some privilege for.

- `SHOW CREATE TABLE` requires some privilege for the table (previously required `SELECT`).
- `SHOW CREATE VIEW` requires `SHOW VIEW` and `SELECT` for the view.
- `SHOW INDEX` requires some privilege for any column.
- `SHOW OPEN TABLES` displays only tables for which you have some privilege on any table column.

(Bug#27145)

- **Incompatible Change:** Certain characters were sorted incorrectly for the following collations: TILDE and GRAVE ACCENT in `big5_chinese_ci`; LATIN SMALL LETTER J in `cp866_general_ci`; TILDE in `gb2312_chinese_ci`; and TILDE in `gbk_chinese_ci`.

As a result of this fix, any indexes on columns that use these collations and contain the affected characters must be rebuilt when upgrading to 6.0.6 or higher. To do this, use `ALTER TABLE` to drop and re-add the indexes, or `mysqldump` to dump the affected tables and `mysql` to reload the dump file. (Bug#25420)

- **Incompatible Change:** An additional correction to the original MySQL 6.0.4 fix was made to normalize directory names before adding them to the list of directories. This prevents `/etc/` and `/etc` from being considered different, for example. (Bug#20748)

See also Bug#38180.

5.3.7. Changes in MySQL 6.0.5 (12 June 2008)

Functionality added or changed:

- **Incompatible Change:** In MySQL 5.1.6, when log tables were implemented, the default log destination for the general query and slow query log was `TABLE`. This default has been changed to `FILE`, which is compatible with MySQL 5.0, but incompatible with earlier releases of MySQL 5.1 from 5.1.6 to 5.1.20. If you are upgrading from MySQL 5.0 to 5.1.21 or higher, no logging option changes should be necessary. However, if you are upgrading from 5.1.6 through 5.1.20 to 5.1.21 or higher and were using `TABLE` logging, use the `--log-output=TABLE` option explicitly to preserve your server's table-logging behavior.

In MySQL 5.1.x, this bug was addressed twice because it turned out that the default was set in two places, only one of which was fixed the first time. (Bug#29993)

- **Incompatible Change:** The server now includes `dtoa`, a library for conversion between strings and numbers by David M. Gay. In MySQL, this library provides the basis for improved conversion between string or `DECIMAL` values and approximate-value (`FLOAT/DOUBLE`) numbers:
 - Consistent conversion results across platforms, which eliminates, for example, Unix versus Windows conversion differences.
 - Accurate representation of values in cases where results previously did not provide sufficient precision, such as for values close to IEEE limits.
 - Conversion of numbers to string format with the best possible precision. The precision of `dtoa` is always the same or better than that of the standard C library functions.

Because the conversions produced by this library differ in some cases from previous results, the potential exists for incompatibilities in applications that rely on previous results. For example, applications that depend on a specific exact result from previous conversions might need adjustment to accommodate additional precision.

For additional information about the properties of `dtoa` conversions, see [Type Conversion in Expression Evaluation](#).

See also Bug#12860, Bug#21497, Bug#26788, Bug#24541, Bug#34015.

Bugs fixed:

- **Important Change: Security Fix:** It was possible to circumvent privileges through the creation of `MyISAM` tables employing the `DATA DIRECTORY` and `INDEX DIRECTORY` options to overwrite existing table files in the MySQL data directory. Use of the MySQL data directory in `DATA DIRECTORY` and `INDEX DIRECTORY` is now disallowed. This is now also true of these options when used with partitioned tables and individual partitions of such tables.

■ Note

Additional fixes were made in MySQL 6.0.6.

([Bug#32167](#), [CVE-2008-2079](#))

See also [Bug#39277](#).

- **Security Fix:** A client that connects to a malicious server could be tricked by the server into sending files from the client host to the server. This occurs because the `libmysqlclient` client library would respond to a `FETCH LOCAL FILE` request from the server even if the request is sent for statements from the client other than `LOAD DATA LOCAL INFILE`. The client library has been modified to respond to a `FETCH LOCAL FILE` request from the server only if it is sent in response to a `LOAD DATA LOCAL INFILE` statement from the client.

The client library now also checks whether `CLIENT_LOCAL_FILE` is set and refuses to send a local file if not.

Note

Binary distributions ship with the `local-infile` capability enabled. Applications that do not use this functionality should disable it to be safe.

([Bug#29605](#))

- **Incompatible Change:** In MySQL 5.1.23, the `last_errno` and `last_error` members of the `NET` structure in `mysql_com.h` were renamed to `client_last_errno` and `client_last_error`. This was found to cause problems for connectors that use the internal `NET` structure for error handling. The change has been reverted. ([Bug#34655](#))

See also [Bug#12713](#).

- **Incompatible Change:** The parser accepted illegal syntax in a `FOREIGN KEY` clause:
 - Multiple `MATCH` clauses.
 - Multiple `ON DELETE` clauses.
 - Multiple `ON UPDATE` clauses.
 - `MATCH` clauses specified after `ON UPDATE` or `ON DELETE`. In case of multiple redundant clauses, this leads to confusion, and implementation-dependent results.

These illegal syntaxes are now properly rejected. Existing applications that used them will require adjustment. ([Bug#34455](#))

- **Incompatible Change:** It was possible to use `FRAC_SECOND` as a synonym for `MICROSECOND` with `DATE_ADD()`, `DATE_SUB()`, and `INTERVAL`; now, using `FRAC_SECOND` with anything other than `TIMESTAMPADD()` or `TIMESTAMPDIFF()` produces a syntax error.

It is now possible (and preferable) to use `MICROSECOND` with `TIMESTAMPADD()` and `TIMESTAMPDIFF()`, and `FRAC_SECOND` is now deprecated. ([Bug#33834](#))

- **Incompatible Change:** The `UPDATE` statement allowed `NULL` to be assigned to `NOT NULL` columns (the implicit default value for the column data type was assigned). This was changed so that on error occurs.

This change was reverted, because the original report was determined not to be a bug: Assigning `NULL` to a `NOT NULL` column in an `UPDATE` statement should produce an error only in strict SQL mode and set the column to the implicit default with a warning otherwise, which was the original behavior. See [Data Type Default Values](#), and [Bug#39265](#). ([Bug#33699](#))

- **Incompatible Change:** It is no longer possible to create `CSV` tables with `NULL` columns. However, for backwards compatibility, you can continue to use such tables that were created in previous MySQL releases. ([Bug#32050](#))
- **Incompatible Change:** For packages that are built within their own prefix (for example, `/usr/local/mysql`) the plugin directory will be `lib/plugin`. For packages that are built to be installed into a system-wide prefix (such as RPM packages with a prefix of `/usr`), the plugin directory will be `lib/mysql/plugin` to ensure a clean `/usr/lib` hierarchy. In both cases, the `$pkglibdir` configuration setting is used at build time to set the plugin directory.

The current plugin directory location is available as the value of the `plugin_dir` system variable as before, but the `mysql_config` script now has a `--plugindir` option that can be used externally to the server by third-party plugin writers to obtain the default plugin directory path name and configure their installation directory appropriately. ([Bug#31736](#))

- **Incompatible Change:** Inserting a row with a `NULL` value for a `DATETIME` column results in a `CSV` file that the storage engine cannot read.

All `CSV` tables now need to be defined with each column marked as `NOT NULL`. An error is raised if you try to create a `CSV`

table with columns that are not defined with `NOT NULL`. ([Bug#31473](#), [Bug#32817](#))

- **Incompatible Change:** The `utf8_general_ci` and `ucs2_general_ci` collations did not sort the letter "U+00DF SHARP S" equal to 's'.

As a result of this fix, any indexes on columns that use these collations (but only columns that use SHARP S) must be rebuilt when upgrading to 6.0.5 or higher. To do this, use `ALTER TABLE` to drop and re-add the indexes, or use `mysqldump` to dump the affected tables and `mysql` to reload the dump file. ([Bug#27877](#))

See also [Bug#37046](#).

- **Incompatible Change:** Several changes were made to the processing of multiple-table `DELETE` statements:
 - Statements could not perform cross-database deletes unless the tables were referred to without using aliases. This limitation has been lifted and table aliases now are allowed.
 - Previously, alias declarations could be given for tables elsewhere than in the `table_references` part of the syntax. This could lead to ambiguous statements that have unexpected results such as deleting rows from the wrong table. Example:

```
DELETE FROM t1 AS a2 USING t1 AS a1 INNER JOIN t2 AS a2;
```

Now alias declarations can be declared only in the `table_references` part. Elsewhere in the statement, alias references are allowed but not alias declarations.

- Alias resolution was improved so that it is no longer possible to have inconsistent or ambiguous aliases for tables.

Statements containing alias constructs that are no longer allowed must be rewritten. ([Bug#27525](#))

See also [Bug#30234](#).

5.3.8. Changes in MySQL 6.0.4 (12 February 2008)

Functionality added or changed:

- **Important Change: Partitioning: Security Fix:** It was possible, by creating a partitioned table using the `DATA DIRECTORY` and `INDEX DIRECTORY` options to gain privileges on other tables having the same name as the partitioned table. As a result of this fix, any table-level `DATA DIRECTORY` or `INDEX DIRECTORY` options are now ignored for partitioned tables. ([Bug#32091](#), [CVE-2007-5970](#))

See also [Bug#29325](#), [Bug#32111](#).

- **Incompatible Change:** The Unicode implementation has been extended to provide support for supplementary characters that lie outside the Basic Multilingual Plane (BMP). Noteworthy features:
 - `utf16` and `utf32` character sets have been added. These correspond to the UTF-16 and UTF-32 encodings of the Unicode character set, and they both support supplementary characters.
 - The `utf8` character set from previous versions of MySQL has been renamed to `utf8mb3`, to reflect that its encoding uses a maximum of three bytes for multi-byte characters. (Old tables that previously used `utf8` will be reported as using `utf8mb3` after an in-place upgrade to MySQL 6.0, but otherwise work as before.)
 - The new `utf8` character set in MySQL 6.0 is similar to `utf8mb3`, but its encoding allows up to four bytes per character to enable support for supplementary characters.
 - The `ucs2` character set is essentially unchanged except for the inclusion of some newer BMP characters.

In most respects, upgrading from MySQL 5.1 to 6.0 should present few problems with regard to Unicode usage, although there are some potential areas of incompatibility. Some examples:

- For the variable-length character data types (`VARCHAR` and the `TEXT` types), the maximum length in characters for `utf8` columns is less in MySQL 6.0 than previously.
- For all character data types (`CHAR`, `VARCHAR`, and the `TEXT` types), the maximum number of characters for `utf8` columns that can be indexed is less in MySQL 6.0 than previously.

Consequently, if you want to upgrade tables from the old `utf8` (now `utf8mb3`) to the current `utf8`, it may be necessary to change some column or index definitions.

For additional details about the new Unicode character sets and potential incompatibilities, see [Unicode Support](#), and [Upgrading from Previous to Current Unicode Support](#).

If you use events, a known issue is that if you upgrade from MySQL 5.1 to 6.0.4 through 6.0.6, the event scheduler will not work, even after you run `mysql_upgrade`. (This is an issue only for an upgrade, not for a new installation of MySQL 6.0.x.) As of MySQL 6.0.7, `mysql_upgrade` handles upgrading the system tables properly. If you upgrade to 6.0.4 through 6.0.6, you can work around this upgrading problem by using these instructions:

1. In MySQL 5.1, before upgrading, create a dump file containing your `mysql.event` table:

```
shell> mysqldump -uroot -p mysql event > event.sql
```

2. Stop the server, upgrade to MySQL 6.0, and start the server.
3. Recreate the `mysql.event` table using the dump file:

```
shell> mysql -uroot -p mysql < event.sql
```

4. Run `mysql_upgrade` to upgrade the other system tables in the `mysql` database:

```
shell> mysql_upgrade -uroot -p
```

5. Restart the server. The event scheduler should run normally.

- **Incompatible Change:** Because of a change in the format of the `Falcon` pages stored within `Falcon` database files, `Falcon` databases created in MySQL 6.0.4 (or later) are not compatible with previous releases, and existing `Falcon` databases are incompatible with MySQL 6.0.4 (and later versions). You should dump `Falcon` databases using `mysqldump` before upgrading, and then reload them after the upgrade. For more information, see `mysqldump`.

Bugs fixed:

- **Security Fix: Replication:** It was possible for any connected user to issue a `BINLOG` statement, which could be used to escalate privileges.

Use of the `BINLOG` statement now requires the `SUPER` privilege. ([Bug#31611](#), [CVE-2007-6313](#))

- **Security Fix:** Three vulnerabilities in yaSSL versions 1.7.5 and earlier were discovered that could lead to a server crash or execution of unauthorized code. The exploit requires a server with yaSSL enabled and TCP/IP connections enabled, but does not require valid MySQL account credentials. The exploit does not apply to OpenSSL.

Note

The proof-of-concept exploit is freely available on the Internet. Everyone with a vulnerable MySQL configuration is advised to upgrade *immediately*.

([Bug#33814](#), [CVE-2008-0226](#), [CVE-2008-0227](#))

- **Security Fix:** Using `RENAME TABLE` against a table with explicit `DATA DIRECTORY` and `INDEX DIRECTORY` options can be used to overwrite system table information by replacing the symbolic link points. the file to which the symlink points.

MySQL will now return an error when the file to which the symlink points already exists. ([Bug#32111](#), [CVE-2007-5969](#))

- **Security Fix:** `ALTER VIEW` retained the original `DEFINER` value, even when altered by another user, which could allow that user to gain the access rights of the view. Now `ALTER VIEW` is allowed only to the original definer or users with the `SUPER` privilege. ([Bug#29908](#))
- **Security Fix:** When using a `FEDERATED` table, the local server could be forced to crash if the remote server returned a result with fewer columns than expected. ([Bug#29801](#))
- **Incompatible Change:** The `falcon_lock_timeout` system variable, which had a value in milliseconds, has been replaced with `falcon_lock_wait_timeout`, which has a value in seconds. The default value of `falcon_lock_wait_timeout` is 50 seconds. This has been done for better name and unit consistency with the `innodb_lock_wait_timeout` system variable. Uses of the old variable should be converted to use the new variable. ([Bug#33474](#), [Bug#33072](#))
- **Incompatible Change:** With `ONLY_FULL_GROUP_BY` SQL mode enabled, queries such as `SELECT a FROM t1 HAVING COUNT(*) > 2` were not being rejected as they should have been.

This fix results in the following behavior:

- There is a check against mixing group and non-group columns *only* when `ONLY_FULL_GROUP_BY` is enabled.
- This check is done both for the select list and for the `HAVING` clause if there is one.

This behavior differs from previous versions as follows:

- Previously, the `HAVING` clause was not checked when `ONLY_FULL_GROUP_BY` was enabled; now it is checked.
- Previously, the select list was checked even when `ONLY_FULL_GROUP_BY` was not enabled; now it is checked only when `ONLY_FULL_GROUP_BY` is enabled.

(Bug#31794)

- **Incompatible Change:** `SET PASSWORD` statements now cause an implicit commit, and thus are prohibited within stored functions and triggers. (Bug#30904)
- **Incompatible Change:** The `mysql_install_db` script could fail to locate some components (including `resolveip`) during execution if the `--basedir` option was specified on the command-line or within the `my.cnf` file. This was due to a conflict when comparing the compiled-in values and the supplied values.

The `--source-install` command-line option to the script has been removed and replaced with the `--srcdir` option. `mysql_install_db` now locates components either using the compiled-in options, the `--basedir` option or `--srcdir` option. (Bug#30759)

- **Incompatible Change:** It was possible to create a view having a column whose name consisted of an empty string or space characters only.

One result of this bug fix is that aliases for columns in the view `SELECT` statement are checked to ensure that they are legal column names. In particular, the length must be within the maximum column length of 64 characters, not the maximum alias length of 256 characters. This can cause problems for replication or loading dump files. For additional information and workarounds, see [Restrictions on Views](#). (Bug#27695)

See also [Bug#31202](#).

- **Incompatible Change:** It was possible for option files to be read twice at program startup, if some of the standard option file locations turned out to be the same directory. Now duplicates are removed from the list of files to be read.

Also, users could not override system-wide settings using `~/my.cnf` because `SYSCONFDIR/my.cnf` was read last. The latter file now is read earlier so that `~/my.cnf` can override system-wide settings.

The fix for this problem had a side effect such that on Unix, MySQL programs looked for options in `~/my.cnf` rather than the standard location of `~/my.cnf`. That problem was addressed as [Bug#38180](#). (Bug#20748)

- **Incompatible Change:** A number of problems existed in the implementation of `MERGE` tables that could cause problems. The problems are summarized below:
 - [Bug#26379](#) - Combination of `FLUSH TABLE` and `REPAIR TABLE` corrupts a `MERGE` table. This was caused in a number of situations:
 1. A thread trying to lock a `MERGE` table performs busy waiting while `REPAIR TABLE` or a similar table administration task is ongoing on one or more of its MyISAM tables.
 2. A thread trying to lock a `MERGE` table performs busy waiting until all threads that did `REPAIR TABLE` or similar table administration tasks on one or more of its MyISAM tables in `LOCK TABLES` segments do `UNLOCK TABLES`. The difference against problem #1 is that the busy waiting takes place after the administration task. It is terminated by `UNLOCK TABLES` only.
 3. Two `FLUSH TABLES` within a `LOCK TABLES` segment can invalidate the lock. This does not require a `MERGE` table. The first `FLUSH TABLES` can be replaced by any statement that requires other threads to reopen the table. In 5.0 and 5.1 a single `FLUSH TABLES` can provoke the problem.
 - [Bug#26867](#) - Simultaneously executing `LOCK TABLES` and `REPAIR TABLE` on a `MERGE` table would result in memory/cpu hogging.

Trying DML on a `MERGE` table, which has a child locked and repaired by another thread, made an infinite loop in the server.

- [Bug#26377](#) - Deadlock with `MERGE` and `FLUSH TABLE`

Locking a MERGE table and its children in parent-child order and flushing the child deadlocked the server.

- [Bug#25038](#) - Waiting `TRUNCATE`

Truncating a MERGE child, while the MERGE table was in use, let the truncate fail instead of waiting for the table to become free.

- [Bug#25700](#) - MERGE base tables get corrupted by `OPTIMIZE/ANALYZE/REPAIR TABLE`

Repairing a child of an open MERGE table corrupted the child. It was necessary to `FLUSH` the child first.

- [Bug#30275](#) - MERGE tables: `FLUSH TABLES` or `UNLOCK TABLES` causes server to crash.

Flushing and optimizing locked MERGE children crashed the server.

- [Bug#19627](#) - temporary merge table locking

Use of a temporary MERGE table with non-temporary children could corrupt the children.

Temporary tables are never locked. Creation of tables with non-temporary children of a temporary MERGE table is now prohibited.

- [Bug#27660](#) - Falcon: MERGE table possible

It was possible to create a MERGE table with non-MyISAM children.

- [Bug#30273](#) - MERGE tables: Can't lock file (errno: 155)

This was a Windows-only bug. Table administration statements sometimes failed with "Can't lock file (errno: 155)".

The fix introduces the following changes in behavior:

- This patch changes the behavior of temporary MERGE tables. Temporary MERGE must have temporary children. The old behavior was wrong. A temporary table is not locked. Hence even non-temporary children were not locked. See [Bug#19627](#).
- You cannot change the union list of a non-temporary MERGE table when `LOCK TABLES` is in effect. The following does *not* work:

```
CREATE TABLE m1 ... ENGINE=MRG_MYISAM ...;
LOCK TABLES t1 WRITE, t2 WRITE, m1 WRITE;
ALTER TABLE m1 ... UNION=(t1,t2) ...;
```

However, you can do this with a temporary MERGE table.

- You cannot create a MERGE table with `CREATE ... SELECT`, neither as a temporary MERGE table, nor as a non-temporary MERGE table. For example, `CREATE TABLE m1 ... ENGINE=MRG_MYISAM ... SELECT ...;` causes the error message: `TABLE IS NOT BASE TABLE`.

([Bug#19627](#), [Bug#25038](#), [Bug#25700](#), [Bug#26377](#), [Bug#26379](#), [Bug#26867](#), [Bug#27660](#), [Bug#30275](#), [Bug#30491](#))

5.3.9. Changes in MySQL 6.0.3 (16 November 2007)

Functionality added or changed:

- **Incompatible Change:** Aliases for wildcards (as in `SELECT t.* AS 'alias' FROM t`) are no longer accepted and result in an error. Previously, such aliases were ignored silently. ([Bug#27249](#))

Bugs fixed:

- **Incompatible Change:** `DROP TABLE` now is allowed only if you have acquired a `WRITE` lock with `LOCK TABLES`, or if you hold no locks, or if the table is a `TEMPORARY` table.

Previously, if other tables were locked, you could drop a table with a read lock or no lock, which could lead to deadlocks between clients. The new stricter behavior means that some usage scenarios will fail when previously they did not. ([Bug#25858](#))

- **Incompatible Change:** [GRANT](#) and [REVOKE](#) statements now cause an implicit commit, and thus are prohibited within stored functions and triggers. ([Bug#21975](#), [Bug#21422](#), [Bug#17244](#))

Chapter 6. Bugs Reported in MySQL

This chapter contains a list of the bugs reported in specific versions, and provides the version in which those bugs were fixed.

6.1. Bugs Reported and Fixed in 5.0

5.0.0

- [Bug#6558](#) (Views: CREATE VIEW fails with JOIN ... USING): Fixed in [5.0.12](#)
- [Bug#10848](#) (Joins not working in federated storage engine): Fixed in [5.0.7](#)

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- [Bug#4603](#) (SHOW TABLES table_type incorrectly named): Fixed in [5.0.1](#)
- [Bug#4838](#) (DDL statements for views are not written to the binary log): Fixed in [5.0.3](#)
- [Bug#5050](#) (mysql-test-run fails on rpl_trunc_binlog after 'make install'): Fixed in [5.0.2](#)
- [Bug#6903](#) (Procedures, functions and views not quoted correctly when using ANSI_QUOTES): Fixed in [5.0.9](#)
- [Bug#7003](#) (malloc return value not checked): Fixed in [5.0.11](#)
- [Bug#7024](#) (FUNCTION does not exist when using CREATE VIEW): Fixed in [5.0.9](#)
- [Bug#7856](#) (When installing service, server ignores options after --install <name->): Fixed in [5.0.3](#)
- [Bug#16539](#) (MySQL-shared-compat-4.1.15-0.i386.rpm requires glibc 2.3): Fixed in [5.0.21](#)

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- [Bug#5036](#) (mysqlshow is missing a column): Fixed in [5.0.4](#)
- [Bug#5500](#) (EXPLAIN for a view differs from EXPLAIN for a base table): Fixed in [5.0.26](#)
- [Bug#5501](#) (SHOW TABLE STATUS should show "view" in upper case): Fixed in [5.0.12](#)
- [Bug#5505](#) (Views: an updatable view is falsely called non-updatable): Fixed in [5.0.26](#)
- [Bug#5508](#) (Views:RENAME doesn't work with views): Fixed in [5.0.14](#)
- [Bug#5859](#) (DROP TABLE does not drop triggers): Fixed in [5.0.4](#)
- [Bug#5860](#) (Multi-table UPDATE does not activate update triggers): Fixed in [5.0.7](#)
- [Bug#5861](#) (Triggers are executed under wrong privileges.): Fixed in [5.0.17](#)
- [Bug#5891](#) (Triggers stop working if change to sql_mode): Fixed in [5.0.11](#)
- [Bug#5892](#) (Triggers have the wrong namespace): Fixed in [5.0.10](#)
- [Bug#5893](#) (Triggers with dropped functions cause crashes): Fixed in [5.0.7](#)
- [Bug#5894](#) (Triggers with altered tables cause corrupt databases): Fixed in [5.0.7](#)
- [Bug#5902](#) (Traditional mode: STR_TO_DATE changes invalid value rather than rejecting): Fixed in [5.0.4](#)
- [Bug#5903](#) (Traditional mode: invalid DEFAULT value accepted rather than rejected): Fixed in [5.0.4](#)
- [Bug#5906](#) (Traditional mode: invalid date due to conversion accepted): Fixed in [5.0.10](#)
- [Bug#5907](#) (Traditional mode: invalid value can be inserted via a stored procedure): Fixed in [5.0.4](#)
- [Bug#5912](#) (Traditional mode: CAST allows invalid value): Fixed in [5.0.4](#)

- [Bug#5933](#) (Traditional: zero dates should be rejected): Fixed in [5.0.4](#)
- [Bug#5963](#) (Stored procedure crash if variable = subquery): Fixed in [5.0.6](#)
- [Bug#5986](#) (TRADITIONAL: column with no default not handled correctly): Fixed in [5.0.4](#)
- [Bug#6106](#) (Views: SELECT of 2 views with RIGHT JOIN returns wrong result): Fixed in [5.0.5](#)
- [Bug#6107](#) (Views: RIGHT JOIN with WHERE clause on views returns wrong result): Fixed in [5.0.5](#)
- [Bug#6120](#) (Stored procedure unaffected by ALTER VIEW): Fixed in [5.0.10](#)
- [Bug#6127](#) (Stored procedure handlers within handlers don't work): Fixed in [5.0.14](#)
- [Bug#6145](#) (Traditional: CONVERT and CAST should reject zero DATE values): Fixed in [5.0.4](#)
- [Bug#6147](#) (Traditional: Assigning a string to a numeric column has unexpected results): Fixed in [5.0.26](#)
- [Bug#6182](#) (Triggers: duplicate names allowed): Fixed in [5.0.10](#)
- [Bug#6267](#) (ENUM ... NOT NULL w/o default treated differently than other data types): Fixed in [5.0.7](#)
- [Bug#6394](#) (Views: Crash if select a view created with EXISTS clause): Fixed in [5.0.3](#)
- [Bug#6443](#) (Views: failed WHERE clause doesn't prevent updatability): Fixed in [5.0.9](#)
- [Bug#6513](#) (Test Suite: Values inserted by using cursor is interpreted latin1 character): Fixed in [5.0.13](#)
- [Bug#6808](#) (Views: CREATE VIEW v ... FROM t AS v fails): Fixed in [5.0.13](#)
- [Bug#6812](#) (Triggers are not activated for INSERT ... SELECT): Fixed in [5.0.7](#)
- [Bug#6814](#) (Views: Crashes if view exists with complex selection): Fixed in [5.0.3](#)
- [Bug#6866](#) (stored procedures are erroneous in conjunction with views): Fixed in [5.0.7](#)
- [Bug#6894](#) (Views: crash if correlated subquery): Fixed in [5.0.3](#)
- [Bug#7098](#) (False negative with both like and equals clauses for the same text column): Fixed in [5.0.3](#)
- [Bug#7413](#) (VIEW with sub query can cause the MySQL server to crash): Fixed in [5.0.3](#)
- [Bug#7422](#) ("order by" doesn't work): Fixed in [5.0.8](#)
- [Bug#7521](#) (TIME_FORMAT fails in VIEWS): Fixed in [5.0.8](#)
- [Bug#8392](#) (reference in 'delete from foo where id<0 order by foo.id' crashes server): Fixed in [5.0.3](#)
- [Bug#8528](#) (View to a view created from a join crashes): Fixed in [5.0.6](#)
- [Bug#8702](#) (Stored Procedures: No Error/Warning shown for inappropriate data type matching.): Fixed in [5.0.18](#)
- [Bug#8751](#) (Triggers: Allowed to create triggers on a subject table in a different DB.): Fixed in [5.0.10](#)
- [Bug#8755](#) (Triggers: Trigger is NOT activated by implicit insertion into subject table): Fixed in [5.0.7](#)
- [Bug#8758](#) (Triggers: CREATE TRIGGER does not accept fully qualified names): Fixed in [5.0.10](#)
- [Bug#8769](#) (Functions: For Int datatypes, out of range values can be passed and returned.): Fixed in [5.0.18](#)
- [Bug#8861](#) (Functions: If Return is a YEAR data type, value is not shown in year format): Fixed in [5.0.5](#)
- [Bug#8921](#) (Views: Creating a temporary table with the same name as an existing view allowed): Fixed in [5.0.6](#)
- [Bug#9088](#) (WHERE clause fails with BIGINT if value is between quotes): Fixed in [5.0.19](#)
- [Bug#9338](#) (left join wrong result): Fixed in [5.0.5](#)

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- [Bug#4663](#) (constant function in WHERE clause evaluated in view definition): Fixed in [5.0.10](#)
- [Bug#6951](#) (Triggers/Traditional: SET @ result wrong): Fixed in [5.0.23](#)
- [Bug#6961](#) (Traditional: assignment of string to numeric column should fail): Fixed in [5.0.6](#)
- [Bug#6999](#) (Traditional: Wrong SQLSTATE returned for string truncation): Fixed in [5.0.3](#)
- [Bug#7015](#) (Views: selection fails if sum(distinct)): Fixed in [5.0.8](#)
- [Bug#7049](#) (Stored procedure CALL errors are ignored): Fixed in [5.0.16](#)
- [Bug#7061](#) (No error message for ALTER with AUTO_INCREMENT): Fixed in [5.0.3](#)
- [Bug#7088](#) (Stored procedures: labels won't work if character set is utf8): Fixed in [5.0.10](#)
- [Bug#7115](#) (Prepared Statements: packet error if execution within stored procedure): Fixed in [5.0.8](#)
- [Bug#7116](#) (Views: GROUP_CONCAT crashes the server): Fixed in [5.0.3](#)
- [Bug#7214](#) (information_schema: unauthorized user can see metadata): Fixed in [5.0.4](#)
- [Bug#7215](#) (information_schema: columns are longtext instead of varchar): Fixed in [5.0.3](#)
- [Bug#7217](#) (information_schema: columns are varbinary() instead of timestamp): Fixed in [5.0.3](#)
- [Bug#7291](#) (Stored procedures: wrong CURRENT_USER value): Fixed in [5.0.10](#)
- [Bug#7350](#) (Error in UCS2 comparisons of InnoDB tables): Fixed in [5.0.3](#)
- [Bug#7448](#) (Views: column name generation doesn't always work): Fixed in [5.0.8](#)
- [Bug#7549](#) (Missing error message for invalid view selection with subquery): Fixed in [5.0.23](#)
- [Bug#7648](#) (Stored procedure crash when invoking a function that returns a bit): Fixed in [5.0.5](#)
- [Bug#7787](#) (Stored procedures: improper warning for "grant execute" statement): Fixed in [5.0.19](#)
- [Bug#7973](#) (Index corruption on crash recovery of compact table): Fixed in [5.0.3](#)
- [Bug#8115](#) (Server Crash with prepared statement): Fixed in [5.0.3](#)
- [Bug#8125](#) (reexecution of prepared statement crashes server): Fixed in [5.0.3](#)
- [Bug#8153](#) (Stored procedure with subquery and continue handler, wrong result): Fixed in [5.0.25](#)
- [Bug#8295](#) (VARCHAR: Silent data type change when size too large): Fixed in [5.0.6](#)
- [Bug#8296](#) (VARBINARY: Silent data type change when size too large): Fixed in [5.0.6](#)
- [Bug#8405](#) (Stored procedure crash if function causes reference to same table): Fixed in [5.0.3](#)
- [Bug#8406](#) (Triggers crash if referencing a table): Fixed in [5.0.10](#)
- [Bug#8407](#) (Stored functions/triggers ignore exception handler): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#8408](#) (Stored procedure crash if function contains SHOW): Fixed in [5.0.6](#)
- [Bug#8409](#) (Stored procedure crash if function contains FLUSH): Fixed in [5.0.7](#)
- [Bug#8461](#) (TRUNCATE: returns incorrect result if 2nd argument is negative): Fixed in [5.0.19](#)
- [Bug#8532](#) (SELECT DISTINCT a, a causes server to crash): Fixed in [5.0.3](#)
- [Bug#8578](#) (Test case 'index_merge_ror' fails on SGI irix): Fixed in [5.0.3](#)
- [Bug#8610](#) (The ucs2_turkish_ci collation fails with upper('i')): Fixed in [5.0.7](#)
- [Bug#8650](#) (InnoDB does not rollback SQL statement at an error): Fixed in [5.0.4](#)
- [Bug#8682](#) (Server crashes on 'reap' (test 'flush_block_commit')): Fixed in [5.0.3](#)

- [Bug#8703](#) (insert into table select from view crashes): Fixed in [5.0.4](#)
- [Bug#8731](#) (MySQL does not respect set timeouts on Mac OS X): Fixed in [5.0.15](#)
- [Bug#8849](#) (problem with insert statement with table alias's): Fixed in [5.0.3](#)
- [Bug#8850](#) (Truncate table in a stored procedure locks the tables): Fixed in [5.0.3](#)
- [Bug#8866](#) (Test 'kill' fails in PS protocol: Server crash on 'select get_lock("a", 10)'): Fixed in [5.0.4](#)
- [Bug#8880](#) (Commands out of sync error with cursors): Fixed in [5.0.4](#)
- [Bug#8902](#) (mysql.proc.sql_mode column definition is incomplete): Fixed in [5.0.3](#)
- [Bug#8998](#) (information_schema: Table SCHEMATA should report default collations): Fixed in [5.0.6](#)
- [Bug#9029](#) (Traditional: Wrong SQLSTATE returned for string truncation): Fixed in [5.0.3](#)
- [Bug#9048](#) (FUNCTIONS: Creating a function with char binary IN parameter fails): Fixed in [5.0.12](#)
- [Bug#9100](#) (Replication: suspicious-looking binlog entries if function present): Fixed in [5.0.6](#)
- [Bug#9102](#) (Stored procedures: function which returns blob causes crash): Fixed in [5.0.5](#)
- [Bug#9159](#) (Server crash during mysql_stmt_close): Fixed in [5.0.4](#)
- [Bug#9260](#) (Views: CREATE OR REPLACE VIEW/ALTER VIEW require incorrect privilege): Fixed in [5.0.4](#)
- [Bug#9309](#) (Wrong order in INFORMATION_SCHEMA): Fixed in [5.0.4](#)
- [Bug#9314](#) (Bug in range searches on prefix primary key on varchar column): Fixed in [5.0.4](#)
- [Bug#9317](#) (Wrong count for tables in INFORMATION_SCHEMA): Fixed in [5.0.4](#)
- [Bug#9338](#) (left join wrong result): Fixed in [5.0.5](#)
- [Bug#9348](#) (result for WHERE A AND (B OR C) differs from WHERE a AND (C OR B)): Fixed in [5.0.5](#)
- [Bug#9379](#) (bind select): Fixed in [5.0.10](#)
- [Bug#9398](#) (CREATE TABLE that uses SELECT from a multi-table view causes a crash of server): Fixed in [5.0.4](#)
- [Bug#9404](#) (information_schema: Weird error messages with SELECT SUM() ... GROUP BY queries): Fixed in [5.0.6](#)
- [Bug#9434](#) (SHOW CREATE DATABASE `information_schema`): Fixed in [5.0.8](#)
- [Bug#9486](#) (can't perform multi-update in stored procedure): Fixed in [5.0.5](#)
- [Bug#9489](#) (Problem with BIT_OR and MySQL 5.0.3): Fixed in [5.0.6](#)
- [Bug#9496](#) (Table mysql.proc created by mysql_create_system_tables lacks ENGINE-specificati): Fixed in [5.0.4](#)
- [Bug#9501](#) (Arbitrary precision math done incorretly (numeric math in fp maybe?)): Fixed in [5.0.4](#)
- [Bug#9516](#) (left join exists is null): Fixed in [5.0.5](#)
- [Bug#9526](#) (ENUM storage wrong; Got signal 11 when trying to create an InnoDB table): Fixed in [5.0.4](#)
- [Bug#9542](#) (MySQL dies with signal 11 when it is using non-existent location of binary logs): Fixed in [5.0.5](#)
- [Bug#9558](#) (mysqldump --no-data db t1 t2 format still dumps data): Fixed in [5.0.9](#)
- [Bug#9565](#) (wrong locking in stored procedure if a sub-sequent procedure is called): Fixed in [5.0.10](#)
- [Bug#9566](#) (explicit LOCK TABLE and store procedures result in illegal state): Fixed in [5.0.5](#)
- [Bug#9571](#) (Primary key creation causes server crash): Fixed in [5.0.4](#)
- [Bug#9581](#) (LOCK TABLEs is ignored after UNLOCK TABLEs if TRIGGERs are involved): Fixed in [5.0.10](#)
- [Bug#9586](#) (information_schema doesn't contain table with trigger information): Fixed in [5.0.10](#)

- [Bug#9587](#) (information_schema.table_constraints doesn't contain foreign key relationship): Fixed in [5.0.6](#)
- [Bug#9593](#) (The combination of COUNT, DISTINCT and CONCAT seems to lock the server): Fixed in [5.0.7](#)
- [Bug#9597](#) (read lock stays when querying view from stored procedure): Fixed in [5.0.10](#)
- [Bug#9669](#) (Ordering on IF function with FROM_UNIXTIME function fails): Fixed in [5.0.7](#)
- [Bug#9673](#) (valgrind shows not freed memory in InnoDB): Fixed in [5.0.7](#)
- [Bug#9683](#) (INFORMATION_SCH: Creation of temporary table allowed in Information_schema DB): Fixed in [5.0.13](#)
- [Bug#9758](#) (error in SP that retrieves data from a view): Fixed in [5.0.6](#)
- [Bug#9814](#) (Cursors: Closing a cursor that is not open hangs MySQL): Fixed in [5.0.9](#)
- [Bug#9819](#) (Cursors: Mysql Server Crash while fetching from table with 5 million records.): Fixed in [5.0.13](#)
- [Bug#9841](#) (Views: Unexpected READ Lock when trying to update a view in a stored procedure): Fixed in [5.0.6](#)
- [Bug#9846](#) (Inappropriate error displayed while dropping table from 'INFORMATION_SCHEMA'): Fixed in [5.0.13](#)
- [Bug#9896](#) (SHOW TABLE STATUS shows wrong information): Fixed in [5.0.13](#)
- [Bug#9897](#) (Views: 'Check Table' crashes MySQL, with a view and a table in the statement): Fixed in [5.0.6](#)
- [Bug#9978](#) (MySQL crash when Natural Right Join is used with no conditions): Fixed in [5.0.12](#)
- [Bug#14747](#) (Race condition can cause btr_search_drop_page_hash_index() to crash): Fixed in [5.0.17](#)
- [Bug#15550](#) (mysqld crashes in printing a FOREIGN KEY error in InnoDB): Fixed in [5.0.18](#)
- [Bug#18252](#) (Disk space leak in updates of InnoDB BLOB rows in 5.0 and 5.1): Fixed in [5.0.20](#)
- [Bug#18384](#) (InnoDB memory leak on duplicate key errors in 5.0 if row has many columns): Fixed in [5.0.20](#)
- [Bug#19217](#) (dict_load_indexes() may read the delete-mark incorrectly): Fixed in [5.0.21](#)

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- [Bug#8585](#) (ndb_cache2 fails on aix52): Fixed in [5.0.4](#)
- [Bug#8807](#) (Select crash server): Fixed in [5.0.4](#)
- [Bug#9072](#) ('Max_error_count' system variable cannot be set to zero): Fixed in [5.0.4](#)
- [Bug#9455](#) (mysqladmin status crash the server): Fixed in [5.0.5](#)
- [Bug#9478](#) (mysql_stmt_attr_set mysql_stmt_execute): Fixed in [5.0.6](#)
- [Bug#9503](#) (SP: after some SP function errors server will not send OK (client hangs)): Fixed in [5.0.9](#)
- [Bug#9504](#) (Stored procedures: execute privilege doesn't make 'use database' okay): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#9505](#) (Views: privilege needed on underlying function): Fixed in [5.0.16](#)
- [Bug#9509](#) (Optimizer: wrong result after AND with latin1_german2_ci comparisons): Fixed in [5.0.25](#)
- [Bug#9520](#) (SELECT DISTINCT crashes server with cursor): Fixed in [5.0.6](#)
- [Bug#9535](#) (Warning for "create table t as select uuid();"): Fixed in [5.0.6](#)
- [Bug#9558](#) (mysqldump --no-data db t1 t2 format still dumps data): Fixed in [5.0.9](#)
- [Bug#9593](#) (The combination of COUNT, DISTINCT and CONCAT seems to lock the server): Fixed in [5.0.7](#)
- [Bug#9643](#) (CURSOR_TYPE_SCROLLABLE dos not work): Fixed in [5.0.6](#)
- [Bug#9756](#) (mysql client failing on dumps containing certain \ sequences): Fixed in [5.0.5](#)

- [Bug#9775](#) (Stored procedures: crash if create function that returns enum or set): Fixed in [5.0.5](#)
- [Bug#9795](#) (MySQL forgets about SHOW VIEW / CREATE VIEW privileges granted on table level): Fixed in [5.0.9](#)
- [Bug#9992](#) (mysql_next_result hangs on error): Fixed in [5.0.7](#)
- [Bug#9996](#) (Crash in VIEW's due to privilege problems): Fixed in [5.0.13](#)
- [Bug#10015](#) (Crash in InnoDB if SPs and Triggers are used): Fixed in [5.0.7](#)
- [Bug#10039](#) (MEMORY engine is reported as HEAP): Fixed in [5.0.5](#)
- [Bug#10056](#) (PACK_KEYS option take values greater than 1 while creating table): Fixed in [5.0.12](#)
- [Bug#10059](#) (SHOW TABLE STATUS FROM `information_schema`; reports uppercase table names): Fixed in [5.0.7](#)
- [Bug#10136](#) (select returns wrong result when called from stored procedure): Fixed in [5.0.8](#)
- [Bug#10162](#) (Optimizer: Problem with Indexes): Fixed in [5.0.6](#)
- [Bug#10181](#) (mysqld.exe crash with an access violation after INSERT INTO mysql.host): Fixed in [5.0.7](#)
- [Bug#10303](#) (Misleading Last_query_cost value): Fixed in [5.0.16](#)
- [Bug#10339](#) (Incorrect error is displayed if try to set value of internal 'warning_count '): Fixed in [5.0.7](#)
- [Bug#10351](#) (Max_Heap_Table_Size cannot be set to 4 gb): Fixed in [5.0.11](#)
- [Bug#10359](#) (InnoDB in MySQL v5.0.4 doesn't lock auto increment reliably): Fixed in [5.0.6](#)
- [Bug#10362](#) (SHOW PROCEDURE always qualifies name with database): Fixed in [5.0.13](#)
- [Bug#10407](#) (Incorrect error is displayed when creating a teble with incorrect DB name.): Fixed in [5.0.11](#)
- [Bug#10466](#) (Datatype "timestamp" displays "YYYYMMDDHHMMSS" irrespective of display sizes.): Fixed in [5.0.9](#)
- [Bug#10732](#) (Set SQL_MODE to NULL gives garbled error message): Fixed in [5.0.8](#)
- [Bug#10927](#) (mysqldump: Can't reload dump with view that consist of other view): Fixed in [5.0.9](#)
- [Bug#11227](#) (DESC says "MUL" where it shoud say "UNI"): Fixed in [5.0.11](#)

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- [Bug#6897](#) (Stored procedure packet error with sql_cache): Fixed in [5.0.11](#)
- [Bug#9798](#) (Rollup crash with InnoDB in setup_sum_funcs()): Fixed in [5.0.6](#)
- [Bug#9799](#) (Rollup crash with avg(distinct)): Fixed in [5.0.6](#)
- [Bug#9800](#) (Rollup crash with distinct avg()): Fixed in [5.0.6](#)
- [Bug#9820](#) (Rollup crash with min(varchar)): Fixed in [5.0.6](#)
- [Bug#9897](#) (Views: 'Check Table' crashes MySQL, with a view and a table in the statement): Fixed in [5.0.6](#)
- [Bug#9978](#) (MySQL crash when Natural Right Join is used with no conditions): Fixed in [5.0.12](#)
- [Bug#10031](#) (View doesn't use index): Fixed in [5.0.9](#)
- [Bug#10041](#) ('view' test fails in --ps-protocol test suite on multiple build hosts): Fixed in [5.0.6](#)
- [Bug#10419](#) (Change search location for My.ini on Windows): Fixed in [5.0.10](#)
- [Bug#10473](#) (Can't set 'key_buffer_size' system variable to ZERO.): Fixed in [5.0.12](#)
- [Bug#10499](#) (MyISAM: Function creation fails which returns GEOMETRY datatype.): Fixed in [5.0.12](#)
- [Bug#10504](#) (Character set does not support traditional mode): Fixed in [5.0.14](#)

- [Bug#10543](#) (Incorrect error when trying to convert varchar column having index to tinytext.): Fixed in [5.0.8](#)
- [Bug#10568](#) (Function 'LAST_DAY(date)' does not return NULL for invalid argument.): Fixed in [5.0.7](#)
- [Bug#10589](#) (des_encrypt functionality always return NULL): Fixed in [5.0.9](#)
- [Bug#10590](#) (Function 'TIME_FORMAT(time,format)' does not display correct result.): Fixed in [5.0.7](#)
- [Bug#10599](#) (Numeric function 'abs' make server crash): Fixed in [5.0.6](#)
- [Bug#10617](#) (Insert from same table to same table give incorrect result for bit(4) column.): Fixed in [5.0.9](#)
- [Bug#10668](#) (CREATE USER does not enforce username length limit): Fixed in [5.0.25](#)
- [Bug#10734](#) (Grant of privileges other than 'select' and 'create view' should fail on schema): Fixed in [5.0.13](#)
- [Bug#10964](#) (Information Schema:Authorization check on privilege tables is improper): Fixed in [5.0.7](#)
- [Bug#10979](#) (USE does not refresh db privilege changes if the same db is used in command.): Fixed in [5.0.25](#)

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- [Bug#10246](#) (Parser: bad syntax for GRANT EXECUTE): Fixed in [5.0.6](#)
- [Bug#10409](#) (ON UPDATE CASCADE does not enforce maximum length of UTF-8 data): Fixed in [5.0.8](#)
- [Bug#10605](#) (Stored procedure with multiple SQL prepared statements disconnects client): Fixed in [5.0.8](#), [5.0.13](#)
- [Bug#10624](#) (Views with multiple UNION and UNION ALL produce incorrect results): Fixed in [5.0.12](#)
- [Bug#10625](#) (DECIMAL tables corrupt after upgrade 5.0.4 -< 5.0.6): Fixed in [5.0.6](#)
- [Bug#10627](#) (Traditional: invalid date accepted from DATE_ADD/DATE_SUB functions): Fixed in [5.0.12](#)
- [Bug#10650](#) (Bit literal case sensitivity): Fixed in [5.0.8](#)
- [Bug#10651](#) (Views: var_samp() looks like var_pop()): Fixed in [5.0.9](#)
- [Bug#10708](#) (SP's can use INFORMATION_SCHEMA as ROUTINE_SCHEMA): Fixed in [5.0.13](#)
- [Bug#10729](#) (mysql_stmt_attr_set CURSOR_TYPE_READ_ONLY): Fixed in [5.0.8](#)
- [Bug#10736](#) (mysql_stmt_attr_set CURSOR_TYPE_READ_ONLY select within select): Fixed in [5.0.9](#)
- [Bug#10746](#) (InnoDB: Error: stored_select_lock_type is 0 inside ::start_stmt(!)): Fixed in [5.0.30](#)
- [Bug#10760](#) (mysql_stmt_attr_set fetch after rollback): Fixed in [5.0.10](#)
- [Bug#10776](#) (Failure to compile ndb ReadNodesConf.cpp on AIX 5.2): Fixed in [5.0.48](#), [5.0.51](#), [5.0.20](#)
- [Bug#10794](#) (mysql_stmt_attr_set no open cursor after mysql_stmt_execute): Fixed in [5.0.9](#)
- [Bug#10801](#) (Test using "--embedded-server" has error messages truncated): Fixed in [5.0.19](#)
- [Bug#10802](#) (Different "explain" output): Fixed in [5.0.12](#)
- [Bug#10911](#) (Crash when running tests --embedded-server): Fixed in [5.0.19](#)
- [Bug#10924](#) (Test "derived" crashes in embedded test): Fixed in [5.0.19](#)
- [Bug#10925](#) (Test "myisam" hangs in embedded test): Fixed in [5.0.19](#)
- [Bug#10926](#) (Embedded Server: "mysql_client_test" test failure): Fixed in [5.0.19](#)
- [Bug#10930](#) (Test "sp-threads" does not fit embedded server): Fixed in [5.0.19](#)
- [Bug#10932](#) (Building server with key limit of 128, makes test cases fail): Fixed in [5.0.18](#)
- [Bug#11005](#) (Replace behaving like insert): Fixed in [5.0.7](#)

- [Bug#11037](#) (mysql_stmt_fetch() returns error instead of MYSQL_NO_DATA): Fixed in [5.0.11](#)
- [Bug#11044](#) (SELECT DISTINCT on indexed column returns inconsistent results): Fixed in [5.0.8](#)
- [Bug#11060](#) (Server crashes on calling stored procedure with INSERT SELECT UNION SELECT): Fixed in [5.0.8](#)
- [Bug#11081](#) (Using a CONVERT_TZ function in a stored function or trigger fails): Fixed in [5.0.23](#)
- [Bug#11088](#) (Crash on query): Fixed in [5.0.7](#)
- [Bug#11091](#) (union involving BIT: assertion failure in Item::tmp_table_field_from_field_type): Fixed in [5.0.9](#)
- [Bug#11172](#) (mysql_stmt_attr_set CURSOR_TYPE_READ_ONLY date/datetime filter server crash): Fixed in [5.0.9](#)
- [Bug#11207](#) (SET GLOBAL TRANSACTION ISOLATION LEVEL seems to be broken): Fixed in [5.0.12](#)
- [Bug#11211](#) (GROUP BY doesn't work correctly): Fixed in [5.0.8](#)
- [Bug#11230](#) (Keeping comments when storing stored procedures): Fixed in [5.0.52](#)
- [Bug#11298](#) (insert into select from VIEW produces incorrect result when using ORDER BY): Fixed in [5.0.8](#)
- [Bug#11325](#) (Wrong date comparison in views): Fixed in [5.0.9](#)
- [Bug#11337](#) (Check table for two views crashes server): Fixed in [5.0.9](#)
- [Bug#11523](#) (\d behaves different from delimiter): Fixed in [5.0.12](#)
- [Bug#11572](#) (MYSQL_TYPE_BIT not taken care of in temp. table creation for VIEWS): Fixed in [5.0.9](#)
- [Bug#28505](#) (Update count for an INSERT DUPLICATE KEY not correct when CLIENT_FOUND_ROWS set): Fixed in [5.0.45](#), [5.0.44](#)

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- [Bug#8441](#) (ROR code has key len 4, should be 5): Fixed in [5.0.8](#)
- [Bug#10055](#) (Stored procedures: using stored procedure (function) cause empty result set): Fixed in [5.0.12](#)
- [Bug#10963](#) (LEFT/RIGHT/SUBSTR/.. string functions returns wrong result on large length): Fixed in [5.0.33](#), [5.0.30sp1](#)
- [Bug#10966](#) (Variance functions return wrong data type): Fixed in [5.0.25](#)
- [Bug#10970](#) (Views: dependence on temporary table allowed): Fixed in [5.0.12](#)
- [Bug#10972](#) (Views: natural join of view and underlying table gives wrong result): Fixed in [5.0.12](#)
- [Bug#10974](#) (No error message if merge table based on union of innodb, memory): Fixed in [5.0.26](#)
- [Bug#10975](#) (Prepared statements: crash if function deallocates): Fixed in [5.0.8](#), [5.0.13](#)
- [Bug#10977](#) (Views: no warning if column name is truncated): Fixed in [5.0.25](#)
- [Bug#11005](#) (Replace behaving like insert): Fixed in [5.0.7](#)
- [Bug#11033](#) (Valgrind warning in compare_record): Fixed in [5.0.21](#)
- [Bug#11034](#) (Valgrind warning in DictCache::get, memory loss): Fixed in [5.0.21](#)
- [Bug#11055](#) (information_schema: routines.sql_data_access has wrong value): Fixed in [5.0.8](#)
- [Bug#11057](#) (information_schema: columns table has some questionable contents): Fixed in [5.0.10](#)
- [Bug#11080](#) (Multi-row REPLACE fails on a duplicate key error on an AUTO-INC column): Fixed in [5.0.7](#)
- [Bug#11111](#) (fetch from view returns wrong data): Fixed in [5.0.7](#)
- [Bug#11132](#) (Connections stuck in CLOSE_WAIT): Fixed in [5.0.8](#)
- [Bug#11150](#) (HP-UX yaSSL/OpenSSL configure/header problem): Fixed in [5.0.8](#)

- [Bug#11153](#) (Ambiguous call to overloaded function, according to Visual Studio 6): Fixed in [5.0.7](#)
- [Bug#11158](#) (Can't perform multi-delete in stored procedure): Fixed in [5.0.8](#)
- [Bug#11183](#) (mysql_stmt_reset() doesn't reset information about error): Fixed in [5.0.10](#)
- [Bug#11200](#) (show instance options returns garbage instead of log options): Fixed in [5.0.8](#)
- [Bug#11213](#) (Thread stack usage: Message is misleading): Fixed in [5.0.11](#)
- [Bug#11235](#) (Expression with IFNULL yields 18 where 1 is correct): Fixed in [5.0.8](#)
- [Bug#11283](#) (cast as decimal): Fixed in [5.0.8](#)
- [Bug#11284](#) (left join with empty derived table): Fixed in [5.0.8](#)
- [Bug#11312](#) (DELIMITER is not written to the binary log that causes syntax error): Fixed in [5.0.19](#)
- [Bug#11380](#) (mysqld will not start-problem with /tmp/mysql.sock): Fixed in [5.0.12](#)
- [Bug#11385](#) (crash in group by and DIV): Fixed in [5.0.8](#)
- [Bug#11398](#) (Varchar trailing space handling breaks multi-column indexing): Fixed in [5.0.12](#)
- [Bug#11399](#) (Use an alias in a select statement on a view): Fixed in [5.0.10](#)
- [Bug#11402](#) (Select abs(-1) * -1 result: 18446744073709551615): Fixed in [5.0.11](#)
- [Bug#11412](#) (Views and group_concat): Fixed in [5.0.11](#)
- [Bug#11459](#) (ndb status variables not updated): Fixed in [5.0.23](#)
- [Bug#11484](#) (SELECT DISTINCT don't seems to work): Fixed in [5.0.9](#)
- [Bug#11493](#) (Alter table rename to default database does not work without db name qualifying): Fixed in [5.0.12](#)
- [Bug#11553](#) (gives error if aggregate user-defined function in HAVING clause): Fixed in [5.0.14](#)
- [Bug#11572](#) (MYSQL_TYPE_BIT not taken care of in temp. table creation for VIEWS): Fixed in [5.0.9](#)
- [Bug#11577](#) ('show procedure/function status' doesn't work for user with limited access): Fixed in [5.0.10](#)
- [Bug#11587](#) (trigger causes lost connection error): Fixed in [5.0.12](#)
- [Bug#11639](#) (View + "with rollup" returns strange data): Fixed in [5.0.9](#)
- [Bug#11680](#) (5.0.7-beta build fails when using --without-server): Fixed in [5.0.14](#)
- [Bug#11685](#) (SHOW TABLES; doesn't update Com_show_tables): Fixed in [5.0.10](#)
- [Bug#11709](#) (ORDER BY with views can use the wrong column): Fixed in [5.0.10](#)
- [Bug#11711](#) (create a view referencing a information schema (temporary) table): Fixed in [5.0.12](#)
- [Bug#11717](#) (MySQL cannot convert "Division Sign" to 'eucjpm's' from the other character-set.): Fixed in [5.0.10](#)
- [Bug#11754](#) (SET NAMES utf8 followed by SELECT "A\\" LIKE "A\\" returns 0): Fixed in [5.0.11](#)
- [Bug#11760](#) (subtime in view): Fixed in [5.0.10](#)
- [Bug#11815](#) (LOAD DATA INFILE not replicating to XP): Fixed in [5.0.13](#)
- [Bug#11832](#) (Server crash with InnoDB + Cursors): Fixed in [5.0.12](#)
- [Bug#11853](#) (DELETE ... NOT LIKE doesn't seem to work properly when index present): Fixed in [5.0.10](#)
- [Bug#11864](#) (non unique names are allowed in subquery): Fixed in [5.0.12](#)
- [Bug#11869](#) (Server crashes making a union join query with fulltext search): Fixed in [5.0.12](#)
- [Bug#11885](#) (error in select with NOT IN of one item if it's a primary key): Fixed in [5.0.10](#)

- [Bug#11892](#) (ODBC Connector/libmysql cause corruption of the MySQL charset data.): Fixed in [5.0.19](#)
- [Bug#11934](#) (FLUSH TABLES WITH READ LOCK hangs client): Fixed in [5.0.11](#)
- [Bug#12267](#) (Can't use POINT for Primary Key): Fixed in [5.0.16](#)
- [Bug#12489](#) (use of CAST in views): Fixed in [5.0.12](#)

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- [Bug#11183](#) (mysql_stmt_reset() doesn't reset information about error): Fixed in [5.0.10](#)
- [Bug#11215](#) (BIGINT: can't set DEFAULT to minimum end-range): Fixed in [5.0.9](#)
- [Bug#11286](#) (yassl incompatible with "load data infile"): Fixed in [5.0.13](#)
- [Bug#11333](#) (Stored Procedure: Memory blow up on repeated SELECT ... INTO query): Fixed in [5.0.13](#)
- [Bug#11365](#) (Stored Procedure: Crash on Procedure operation): Fixed in [5.0.10](#)
- [Bug#11484](#) (SELECT DISTINCT don't seems to work): Fixed in [5.0.9](#)
- [Bug#11510](#) (Internal compiler error in innobase/btr/btr0cur.c): Fixed in [5.0.12](#)
- [Bug#11544](#) (Use of missing rint() function on QNX): Fixed in [5.0.9](#)
- [Bug#11554](#) (Server crashes on statement indirectly using non-cached function): Fixed in [5.0.10](#)
- [Bug#11567](#) (Variable 'foreign_key_checks', and other variables, differs binlog tests): Fixed in [5.0.10](#)
- [Bug#11572](#) (MYSQL_TYPE_BIT not taken care of in temp. table creation for VIEWS): Fixed in [5.0.9](#)
- [Bug#11602](#) (stored procedure < 64K causes bad behavior): Fixed in [5.0.11](#)
- [Bug#11650](#) (LIKE pattern matching using prefix index doesn't return correct result): Fixed in [5.0.10](#)
- [Bug#12947](#) (InnoDB: consistent read can return inconsistent results, even crash possible): Fixed in [5.0.13](#)

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- [Bug#9881](#) (ALTER TABLE gives wrong error message with sql-mode TRADITIONAL): Fixed in [5.0.10](#)
- [Bug#11338](#) (logging of prepared statement w/ blob type): Fixed in [5.0.12](#)
- [Bug#11399](#) (Use an alias in a select statement on a view): Fixed in [5.0.10](#)
- [Bug#11516](#) (ndb_mgmd debug core on cluster shutdown with failed data nodes): Fixed in [5.0.10](#)
- [Bug#11639](#) (View + "with rollup" returns strange data): Fixed in [5.0.9](#)
- [Bug#11657](#) (Creation of secondary index fails): Fixed in [5.0.9](#)
- [Bug#11704](#) (Found locks from different threads in write -< crash with OPTIMIZE table?): Fixed in [5.0.16](#)
- [Bug#11709](#) (ORDER BY with views can use the wrong column): Fixed in [5.0.10](#)
- [Bug#11834](#) (Re-execution of prepared statement with dropped function crashes server): Fixed in [5.0.10](#)
- [Bug#12154](#) (SELECT FROM a VIEW fails with NULL column and DISTINCT): Fixed in [5.0.12](#)
- [Bug#12166](#) (Unable to index very large tables): Fixed in [5.0.16](#)
- [Bug#12198](#) (Temporary Table Aliasing does not work inside stored procedure): Fixed in [5.0.19](#)
- [Bug#12207](#) (alter table ... discard table space on MyISAM table causes ERROR 2013 (HY000):): Fixed in [5.0.13](#)
- [Bug#12226](#) (Insert delayed SQL stmt causes mysqld to crash if record already exists): Fixed in [5.0.11](#)

- [Bug#12298](#) (Cannot execute view but the underlying select statement): Fixed in [5.0.12](#)
- [Bug#12532](#) (sql_thread causing memory overrun): Fixed in [5.0.12](#)
- [Bug#12736](#) (Server crash during a select): Fixed in [5.0.15](#)

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- [Bug#11815](#) (LOAD DATA INFILE not replicating to XP): Fixed in [5.0.13](#)
- [Bug#11864](#) (non unique names are allowed in subquery): Fixed in [5.0.12](#)
- [Bug#11869](#) (Server crashes making a union join query with fulltext search): Fixed in [5.0.12](#)
- [Bug#11889](#) (Server crash when dropping a trigger using non-cached stored routine): Fixed in [5.0.10](#)
- [Bug#11896](#) (Partial locking in case of recursive trigger definitions): Fixed in [5.0.12](#)
- [Bug#11901](#) (mysql_stmt_attr_set CURSOR_TYPE_READ_ONLY join in subqry order by server crash): Fixed in [5.0.12](#)
- [Bug#11904](#) (mysql_stmt_attr_set CURSOR_TYPE_READ_ONLY grouping wrong result): Fixed in [5.0.13](#)
- [Bug#11909](#) (mysql_stmt_attr_set CURSOR_TYPE_READ_ONLY nested queries corrupt result): Fixed in [5.0.12](#)
- [Bug#11934](#) (FLUSH TABLES WITH READ LOCK hangs client): Fixed in [5.0.11](#)
- [Bug#11964](#) (ALTER TABLE gives wrong error message with sql-mode TRADITIONAL (timestamp)): Fixed in [5.0.11](#)
- [Bug#11972](#) (client uses wrong character set after reconnect): Fixed in [5.0.25](#)
- [Bug#11973](#) (SELECT .. INTO var_name; in trigger cause crash on update): Fixed in [5.0.12](#)
- [Bug#12082](#) (Prepared statement "FOR UPDATE" "LOCK IN SHARE MODE": timeout gives server crash): Fixed in [5.0.12](#)
- [Bug#12101](#) (Invalid outer join elimination for a query with NOT BETWEEN condition): Fixed in [5.0.13](#)
- [Bug#12102](#) (Missing outer join elimination for some queries): Fixed in [5.0.13](#)
- [Bug#12243](#) (MySQL Server crashes with 2 cursors (+ commit)): Fixed in [5.0.12](#)
- [Bug#12291](#) (ERROR 126 (HY000): Incorrect key file for table '/tmp/#sql518e_1_2.MYT'; try to): Fixed in [5.0.14](#)
- [Bug#12307](#) (SP hangs server when it includes FLUSH PRIVILEGES;): Fixed in [5.0.12](#)
- [Bug#12315](#) (SHOW TABLE STATUS FROM `information_schema`; does not sort tablename): Fixed in [5.0.12](#)
- [Bug#12318](#) (ERROR 42000: Unknown db 'information_schema' at call of a SP without privileges): Fixed in [5.0.12](#)
- [Bug#12340](#) (multitable delete deletes only one record): Fixed in [5.0.12](#)
- [Bug#12351](#) (CONCAT with USER()/DATABASE() etc, a constant and a column gets strange results): Fixed in [5.0.12](#)
- [Bug#12379](#) (PROCEDURE with HANDLER calling FUNCTION with error get strange result): Fixed in [5.0.13](#)
- [Bug#12382](#) (View: Temporary wrong results): Fixed in [5.0.12](#)
- [Bug#12397](#) (wrong values shown in column CREATE_OPTIONS of INFORMATION_SCHEMA.TABLES): Fixed in [5.0.12](#)
- [Bug#12448](#) (LOAD DATA / 'SELECT INTO OUTFILE doesn't work with multibyte path name): Fixed in [5.0.19](#)
- [Bug#12470](#) (MySQL server crashes when attached view is SELECT'ed upon.): Fixed in [5.0.12](#)
- [Bug#12547](#) (Inserting long string into varchar causes table crash in cp932): Fixed in [5.0.16](#)
- [Bug#12779](#) (Wrong left join result if InnoDB estimates a table to be empty when it is not): Fixed in [5.0.12](#)
- [Bug#12791](#) (LEAST() Ignores NULLs (Undocumented Behaviour)): Fixed in [5.0.13](#)
- [Bug#13052](#) (mysqldump timestamp reloads broken when servers have different time zones): Fixed in [5.0.15](#)

- [Bug#13356](#) (server crash): Fixed in [5.0.14](#)

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- [Bug#10950](#) (Occasional 'Error in mgm protocol parser' error on mysqld startup): Fixed in [5.0.12](#)
- [Bug#11309](#) (mysql_stmt_attr_set CURSOR_TYPE_READ_ONLY select aggregate server crash): Fixed in [5.0.12](#)
- [Bug#12122](#) (Views: ORDER BY doesn't have to mean merge): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#12127](#) (triggers do not show in info_schema before they are used if set to the database): Fixed in [5.0.11](#)
- [Bug#12154](#) (SELECT FROM a VIEW fails with NULL column and DISTINCT): Fixed in [5.0.12](#)
- [Bug#12186](#) (NULL VARCHAR UCS2 column in InnoDB table crashes the server): Fixed in [5.0.11](#)
- [Bug#12212](#) (Crash that happens during removing of database name from cache): Fixed in [5.0.11](#)
- [Bug#12228](#) (Crash happens during calling specific SP in multithread environment): Fixed in [5.0.12](#)
- [Bug#12278](#) (Triggers: packet error if select from information_schema): Fixed in [5.0.12](#)
- [Bug#12280](#) (Triggers: crash if flush tables): Fixed in [5.0.12](#)
- [Bug#12281](#) (Geometry: crash if trigger): Fixed in [5.0.12](#)
- [Bug#12334](#) (If SP is inside transaction, BEGIN ..ROLLBACK are not written to the binary log): Fixed in [5.0.12](#)
- [Bug#12371](#) (executing prepared statement fails (illegal mix of collations)): Fixed in [5.0.16](#)
- [Bug#12392](#) (Server crashes in complex join query): Fixed in [5.0.12](#)
- [Bug#12490](#) (Packets out of order if calling HELP CONTENTS from Stored Procedure): Fixed in [5.0.13](#)
- [Bug#12595](#) (Escape character has to be exactly one): Fixed in [5.0.16](#)
- [Bug#12597](#) (mysqldump dumps triggers wrongly): Fixed in [5.0.13](#)
- [Bug#12672](#) (Select involving 3 times the same InnoDB table causes next subquery work wrong): Fixed in [5.0.12](#)
- [Bug#12705](#) (Syntax error in mysql_fix_privilege_tables.sql): Fixed in [5.0.12](#)
- [Bug#12712](#) (SET AUTOCOMMIT should fail within SP/functions/triggers): Fixed in [5.0.13](#)
- [Bug#12723](#) (Shared memory connections not working): Fixed in [5.0.14](#)
- [Bug#12751](#) (Instance Manager: client hangs after start instance; kill mysqlmanager; show ...): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#12791](#) (LEAST() Ignores NULLs (Undocumented Behaviour)): Fixed in [5.0.13](#)
- [Bug#12792](#) (@@system_time_zone is not SELECTable.): Fixed in [5.0.23](#)
- [Bug#12820](#) (Unable to use UDFs and Stored Procs in 5.0.11 (after upgrading from 5.0.9)): Fixed in [5.0.13](#)
- [Bug#12838](#) (mysqldump cannot dump views when tables are locked): Fixed in [5.0.16](#)
- [Bug#12841](#) (Server crash on DO IFNULL(NULL,NULL,));): Fixed in [5.0.13](#)
- [Bug#12885](#) (rollup / subquery and creat table, causes incorrect cannot be null): Fixed in [5.0.13](#)
- [Bug#12887](#) (distinct vs rollup, are applied in inconsistent ways): Fixed in [5.0.14](#)
- [Bug#12903](#) (upper function does not work inside a function): Fixed in [5.0.18](#)
- [Bug#12905](#) (show fields from view behaving erratically with current database): Fixed in [5.0.13](#)
- [Bug#12922](#) (wrong results with GROUP BY on VIEW): Fixed in [5.0.13](#)
- [Bug#13000](#) (WEEKDAY function in views changed to WEEKDAY(TO_DATE(field))): Fixed in [5.0.13](#)

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- [Bug#9078](#) (STORED PROCEDURE: Decimal digits are not displayed when we use DECIMAL datatype): Fixed in [5.0.18](#)
- [Bug#12198](#) (Temporary Table Aliasing does not work inside stored procedure): Fixed in [5.0.19](#)
- [Bug#12267](#) (Can't use POINT for Primary Key): Fixed in [5.0.16](#)
- [Bug#12423](#) (Deadlock in multithread environment (stress test)): Fixed in [5.0.13](#)
- [Bug#12468](#) (SP crashes the server when executing CREATE VIEW statement): Fixed in [5.0.13](#)
- [Bug#12518](#) (COLUMN_DEFAULT has wrong value if NOT NULL is set): Fixed in [5.0.12](#)
- [Bug#12532](#) (sql_thread causing memory overrun): Fixed in [5.0.12](#)
- [Bug#12550](#) (mysql.server script contains libexec=basedir/bin and other problems): Fixed in [5.0.13](#)
- [Bug#12611](#) (ESCAPE + LIKE do not work when the escape char is a multibyte one): Fixed in [5.0.13](#)
- [Bug#12636](#) (Query crashes MySQL server): Fixed in [5.0.12](#)
- [Bug#12651](#) (Crash on a PS including a subquery which is a select from a simple view): Fixed in [5.0.13](#)
- [Bug#12694](#) (Inconsistency for float(m,d) specification): Fixed in [5.0.14](#)
- [Bug#12720](#) (SELECT from VIEW doesn't return rows): Fixed in [5.0.13](#)
- [Bug#12734](#) (prepared statement may return incorrect result set for a select SQL request): Fixed in [5.0.19](#)
- [Bug#12739](#) (Deadlock in multithread env during creating/dropping trigger on innodb table): Fixed in [5.0.16](#)
- [Bug#12762](#) (Aggregate function cannot be used in statement): Fixed in [5.0.18](#)
- [Bug#12770](#) (DESC cannot display the info. about temporary table): Fixed in [5.0.18](#)
- [Bug#12891](#) (UNION doesn't return DISTINCT result for multi-byte characters): Fixed in [5.0.13](#)
- [Bug#12938](#) (Stored procedures: DECIMAL arithmetic in a loop fails): Fixed in [5.0.13](#)
- [Bug#12943](#) (bogus "Unknown column 'a.b' in 'on clause'" error): Fixed in [5.0.13](#)
- [Bug#12947](#) (InnoDB: consistent read can return inconsistent results, even crash possible): Fixed in [5.0.13](#)
- [Bug#12973](#) (SHOW TABLE STATUS shows Autoincrement = 0 for InnoDB): Fixed in [5.0.13](#)
- [Bug#12976](#) (stored procedures local variables of type bit): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#12977](#) (Crash referencing a joined column by table when a USING follows an ON): Fixed in [5.0.13](#)
- [Bug#12993](#) (View column rename broken in subselect): Fixed in [5.0.13](#)
- [Bug#13037](#) (undefined variable in IF cause erroneous error-message): Fixed in [5.0.15](#)
- [Bug#13067](#) (JOIN xxx USING is case sensitive): Fixed in [5.0.13](#)
- [Bug#13108](#) (ALTER TABLE does not work on FEDERATED tables): Fixed in [5.0.13](#)
- [Bug#13126](#) (join among several tables returns empty set): Fixed in [5.0.16](#)
- [Bug#13133](#) (Local variables in stored procedures are not initialized correctly.): Fixed in [5.0.13](#)
- [Bug#13134](#) (Length of VARCHAR() utf8 column is increasing when table is recreated with PS/SP): Fixed in [5.0.19](#)
- [Bug#13228](#) (open table cache not flushed when table schema changed): Fixed in [5.0.21](#)
- [Bug#13293](#) (SELECT query goes in an infinite loop after an ALTER TABLE): Fixed in [5.0.16](#)
- [Bug#13361](#) (FORMAT function on NULL DECIMAL field crashes MySQL service): Fixed in [5.0.14](#)
- [Bug#13367](#) (InnoDB does not create doublewrite buffer in new installation: assertion failure): Fixed in [5.0.14](#)

- [Bug#13392](#) (values() fails with 'ambiguous' or returns NULL with ON DUPLICATE and SELECT): Fixed in [5.0.16](#)
- [Bug#13479](#) (REPLACE activates UPDATE trigger, not the DELETE and INSERT triggers): Fixed in [5.0.23](#)
- [Bug#13512](#) (ndb_restore dumps core if there are no free mysqld): Fixed in [5.0.14](#)
- [Bug#13525](#) (Rename table does not keep info of triggers): Fixed in [5.0.19](#)
- [Bug#13575](#) (SELECT id, myFunc(id) FROM aTable ORDER BY id; returns bad data): Fixed in [5.0.20](#)
- [Bug#13597](#) (Column in ON condition not resolved if references a table in nested right join): Fixed in [5.0.15](#)
- [Bug#13616](#) ("CALL <dbname>.<procedurename>" executes properly, but displays error): Fixed in [5.0.15](#)
- [Bug#13619](#) (SIG11: encrypt(): salt beginning with "_" followed by any char out ascii64): Fixed in [5.0.15](#)

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- [Bug#7787](#) (Stored procedures: improper warning for "grant execute" statement): Fixed in [5.0.19](#)
- [Bug#8768](#) (Functions: For any unsigned data type, -ve values can be passed and returned.): Fixed in [5.0.18](#)
- [Bug#9078](#) (STORED PROCEDURE: Decimal digits are not displayed when we use DECIMAL datatype): Fixed in [5.0.18](#)
- [Bug#10836](#) (ctype_tis620 test failure with ICC-compiled binaries on IA64): Fixed in [5.0.15](#)
- [Bug#12037](#) (ndb_mgmd IP address do not show in other ndb_mgmd processes): Fixed in [5.0.14](#)
- [Bug#12704](#) (Server crashes during trigger execution): Fixed in [5.0.13](#)
- [Bug#12841](#) (Server crash on DO IFNULL(NULL,NULL);): Fixed in [5.0.13](#)
- [Bug#12844](#) (Multi-update or mul-DELETE that calls func with side-effect goes not to binlog): Fixed in [5.0.14](#)
- [Bug#12845](#) (Stress test: Server crashes on CREATE .. SELECT statement): Fixed in [5.0.13](#)
- [Bug#12849](#) (Stored Procedure: Crash on procedure call with CHAR type 'INOUT' parameter): Fixed in [5.0.13](#)
- [Bug#12870](#) (CREATE PROCEDURE followed by ROLLBACK is not replicated): Fixed in [5.0.13](#)
- [Bug#12935](#) (Local and XA transactions not mutually exclusive): Fixed in [5.0.15](#)
- [Bug#12953](#) (Stored procedures: crash if OPTIMIZE TABLE in function): Fixed in [5.0.13](#)
- [Bug#12974](#) (mysqld --no-defaults --sql-bin-update-same crashes with a segfault): Fixed in [5.0.16](#)
- [Bug#12976](#) (stored procedures local variables of type bit): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#12979](#) (Stored procedures: crash if inout decimal parameter): Fixed in [5.0.13](#)
- [Bug#13037](#) (undefined variable in IF cause erroneous error-message): Fixed in [5.0.15](#)
- [Bug#13046](#) (LIKE pattern matching using prefix index doesn't return correct result(2)): Fixed in [5.0.15](#)
- [Bug#13081](#) (NDB gets incorrect result in test-ATIS): Fixed in [5.0.14](#)
- [Bug#13095](#) (Cannot create VIEWS in prepared statements): Fixed in [5.0.15](#)
- [Bug#13127](#) (LEFT JOIN against a VIEW returns NULL instead of correct value): Fixed in [5.0.14](#)
- [Bug#13158](#) (mysql_config returns erroneous 'libs' under x86_64): Fixed in [5.0.20](#)
- [Bug#13159](#) (libmysqlclient.a in x86_64 RPM not compiled with -fPIC): Fixed in [5.0.22](#)
- [Bug#13202](#) (SELECT * INTO OUTFILE ... FROM information_schema.schemata now fails): Fixed in [5.0.15](#)
- [Bug#13326](#) (SQLPS statement logging is incomplete in 5.0): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#13377](#) (After RESET MASTER, the delete of "master-bin.000001" fails on Windows): Fixed in [5.0.17](#)

- [Bug#13501](#) (build problem: too many arguments to function my_bool acl_init): Fixed in [5.0.14](#)
- [Bug#13514](#) (server crash when create a stored procedure before choose a database): Fixed in [5.0.16](#)
- [Bug#13549](#) (Server crash with nested stored procedures): Fixed in [5.0.17](#)
- [Bug#13550](#) (--without-server compilation fails): Fixed in [5.0.14](#)
- [Bug#13551](#) (#1054 - Unknown column 'xxxx' in 'on clause'): Fixed in [5.0.12](#)
- [Bug#13571](#) (Compiling problems on AIX): Fixed in [5.0.20](#)
- [Bug#13573](#) (wrong data inserted for too big values for INSERT into DECIMAL column): Fixed in [5.0.16](#)
- [Bug#13575](#) (SELECT id, myFunc(id) FROM aTable ORDER BY id; returns bad data): Fixed in [5.0.20](#)
- [Bug#13587](#) (Server crash when SP is created without database selected): Fixed in [5.0.16](#)
- [Bug#13622](#) (VIEW depending on information_schema.TRIGGERS claims it does not exist): Fixed in [5.0.17](#)
- [Bug#13634](#) (Failed dependencies for 5.0.13 RPMs): Fixed in [5.0.23](#)
- [Bug#13640](#) (Compile Error on Cygwin): Fixed in [5.0.18](#)
- [Bug#13705](#) (parameters to stored procedures are not verified): Fixed in [5.0.18](#)
- [Bug#13707](#) (Server crash with INSERT DELAYED on MyISAM table): Fixed in [5.0.16](#)
- [Bug#13724](#) (federated tables structure not replicable): Fixed in [5.0.16](#)
- [Bug#13783](#) (mysqlcheck tries to optimize and analyze information_schema): Fixed in [5.0.15](#)
- [Bug#13808](#) (ENUM type stored procedure parameter accepts non-enumerated data): Fixed in [5.0.18](#)
- [Bug#13809](#) (mysql-test: --replace_result option works on Windows incorrect): Fixed in [5.0.19](#)
- [Bug#13811](#) (example configs have misnamed thread_cache parameter): Fixed in [5.0.16](#)
- [Bug#13820](#) (Handling of logarithm math functions with negative values): Fixed in [5.0.16](#)
- [Bug#13835](#) (max key length is 1000 bytes when trying to create a fulltext index): Fixed in [5.0.19](#)
- [Bug#13897](#) (mysqlbinlog outputs wrong 'SET @@session.sql_mode' statement): Fixed in [5.0.19](#)
- [Bug#13900](#) (DATETIME data changes after inserting a new row in a InnoDB table): Fixed in [5.0.16](#)
- [Bug#13909](#) (Varchar Stored Procedure Parameter always BINARY string (ignores CHARACTER SET)): Fixed in [5.0.18](#)
- [Bug#13919](#) (Escape does not work as expected): Fixed in [5.0.15](#)
- [Bug#13941](#) (replace() string fuction behaves badly inside stored procedure): Fixed in [5.0.16](#)
- [Bug#13961](#) (Triggers on tables with auto_increment insert bogus values into table): Fixed in [5.0.14](#)
- [Bug#14027](#) (updatable views cannot be updated in certain cases): Fixed in [5.0.16](#)
- [Bug#14061](#) (mysqldump fails when dumping view): Fixed in [5.0.15](#)
- [Bug#14089](#) (FROM list subquery always fails when information_schema is current database): Fixed in [5.0.16](#)
- [Bug#14093](#) (Query takes a lot of time when date format is not valid): Fixed in [5.0.16](#)
- [Bug#14094](#) (SLEEP() and Windows seems to be a bad combination.): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#14139](#) (Incorrect CREATE TABLE (...) SELECT ... behaviour): Fixed in [5.0.16](#)
- [Bug#14155](#) (MAX_ROWS is wrong on 64bit platform): Fixed in [5.0.17](#)
- [Bug#14161](#) (Stored procedure cannot retrieve bigint unsigned): Fixed in [5.0.18](#)
- [Bug#14169](#) (ORDER BY changes field type to BLOB for GROUP_CONCAT): Fixed in [5.0.19](#)

- [Bug#14202](#) (libmysqlclient.a for Solaris-sparc not compiled with -fPIC): Fixed in [5.0.22](#)
- [Bug#14233](#) (Crash after tampering with the mysql.proc table): Fixed in [5.0.17](#)
- [Bug#14719](#) (Views DEFINER grammar is incorrect): Fixed in [5.0.17](#)
- [Bug#14871](#) (mysqldump: invalid view dump output): Fixed in [5.0.19](#)
- [Bug#15028](#) (Update multiple tables updates more rows than expected): Fixed in [5.0.17](#)
- [Bug#15091](#) (Sp Returns Unknown error in order clause....and there is no order by clause): Fixed in [5.0.19](#)
- [Bug#16710](#) (select distinct doesn't return all it should): Fixed in [5.0.21](#)

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- [Bug#8702](#) (Stored Procedures: No Error/Warning shown for inappropriate data type matching.): Fixed in [5.0.18](#)
- [Bug#12198](#) (Temporary Table Aliasing does not work inside stored procedure): Fixed in [5.0.19](#)
- [Bug#13317](#) (VIEW doesn't use index): Fixed in [5.0.14](#)
- [Bug#13327](#) (VIEW performs index scan): Fixed in [5.0.15](#)
- [Bug#13410](#) (HAVING clause filtering on qualified view column fails to resolve): Fixed in [5.0.15](#)
- [Bug#13411](#) (HAVING clause filtering on unqualified view column name crashes server): Fixed in [5.0.14](#)
- [Bug#13455](#) (JOIN: different execution plans for (col=BETWEEN '0' AND '0') AND (col='0')): Fixed in [5.0.14](#)
- [Bug#13484](#) (Wrong result on SELECT of table with multiple keys): Fixed in [5.0.15](#)
- [Bug#13488](#) (Left outer join query incorrectly gives MYSQL_DATA_TRUNCATED): Fixed in [5.0.17](#)
- [Bug#13514](#) (server crash when create a stored procedure before choose a database): Fixed in [5.0.16](#)
- [Bug#13524](#) (lock timeout gives incorrect warning on open cursor): Fixed in [5.0.17](#)
- [Bug#13545](#) (Server crash caused by select query): Fixed in [5.0.14](#)
- [Bug#13571](#) (Compiling problems on AIX): Fixed in [5.0.20](#)
- [Bug#13573](#) (wrong data inserted for too big values for INSERT into DECIMAL column): Fixed in [5.0.16](#)
- [Bug#13627](#) (MySQL crashes when invoking DROP TRIGGER in a trigger): Fixed in [5.0.17](#)
- [Bug#13667](#) (Inconsistency for decimal(m,d) specification): Fixed in [5.0.16](#)
- [Bug#13675](#) (DATETIME/DATE type in store proc param seems to be converted as varbinary): Fixed in [5.0.51](#), [5.0.50](#)
- [Bug#13683](#) (INSERT DELAYED into a view create an infinite loop): Fixed in [5.0.21](#)
- [Bug#13818](#) (SHOW CREATE VIEW / TABLE and information_schema.views fail for invalid view): Fixed in [5.0.17](#)
- [Bug#13832](#) ("Unknown column 't1.a' in 'on clause'" once again): Fixed in [5.0.16](#)

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- [Bug#5792](#) (MYSQL_TCP_PORT is ignored in mysql command-line client): Fixed in [5.0.17](#)
- [Bug#9551](#) (SHOW commands fail): Fixed in [5.0.16](#)
- [Bug#12166](#) (Unable to index very large tables): Fixed in [5.0.16](#)
- [Bug#13683](#) (INSERT DELAYED into a view create an infinite loop): Fixed in [5.0.21](#)
- [Bug#13729](#) (Stored procedures: packet error after exception handled): Fixed in [5.0.17](#)

- [Bug#13783](#) (mysqlcheck tries to optimize and analyze information_schema): Fixed in [5.0.15](#)
- [Bug#13835](#) (max key length is 1000 bytes when trying to create a fulltext index): Fixed in [5.0.19](#)
- [Bug#13919](#) (Escape does not work as expected): Fixed in [5.0.15](#)
- [Bug#13926](#) (mysqldump --order-by-primary fails if PK column needs quoting): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#13975](#) ("same string" + 0 has 2 different results): Fixed in [5.0.23](#)
- [Bug#13987](#) (Cluster: Loss of data nodes can cause high CPU usage from ndb_mgmd): Fixed in [5.0.23](#)
- [Bug#14026](#) (Using nested LEFT JOIN in a VIEW with Prepared Statements causes crash.): Fixed in [5.0.16](#)
- [Bug#14027](#) (updatable views cannot be updated in certain cases): Fixed in [5.0.16](#)
- [Bug#14064](#) (information_schema test fails on opnsrv6c): Fixed in [5.0.15](#)
- [Bug#14065](#) (tests containing 'show table status...' fail on opnsrv6c): Fixed in [5.0.15](#)
- [Bug#14137](#) (SHOW VARIABLES called on Windows shows a 'non-Windows' path): Fixed in [5.0.16](#)
- [Bug#14139](#) (Incorrect CREATE TABLE (...) SELECT ... behaviour): Fixed in [5.0.16](#)
- [Bug#14146](#) (CHAR(...USING ...) and CONVERT(CHAR(...) USING...) produce different results): Fixed in [5.0.17](#)
- [Bug#14169](#) (ORDER BY changes field type to BLOB for GROUP_CONCAT): Fixed in [5.0.19](#)
- [Bug#14202](#) (libmysqlclient.a for Solaris-sparc not compiled with -fPIC): Fixed in [5.0.22](#)
- [Bug#14212](#) (BDB: Server crash after COMMIT + ALTER TABLE): Fixed in [5.0.19](#)
- [Bug#14262](#) (SP: DROP PROCEDURE|VIEW (maybe more) write to binlog too late (race cond)): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#14271](#) (I_S: columns has no size for (var)binary columns): Fixed in [5.0.18](#)
- [Bug#14304](#) (auto_increment field incorrect set from within stored procedure (insert select)): Fixed in [5.0.17](#)
- [Bug#14308](#) (server hang, with recursive view (after rename table)): Fixed in [5.0.21](#)
- [Bug#14310](#) (Database symbolic link isn't detected by server on windows): Fixed in [5.0.17](#)
- [Bug#14342](#) (Complex subquery is causing the server to hang/crash): Fixed in [5.0.17](#)
- [Bug#14358](#) (mysql client parser error with "use foo;" command (database names <= 3 chars)): Fixed in [5.0.16](#)
- [Bug#14360](#) (Date Between Interval Broken): Fixed in [5.0.21](#)
- [Bug#14376](#) (MySQL crash on scoped variable (re)initialization): Fixed in [5.0.17](#)
- [Bug#14387](#) (SHOW COLUMNS doesn't work on temporary tables.): Fixed in [5.0.18](#)
- [Bug#14388](#) (IM eats 99% CPU): Fixed in [5.0.16](#)
- [Bug#14399](#) (LOAD DATA FROM MASTER fails): Fixed in [5.0.26](#)
- [Bug#14466](#) (Sort Order Incorrect in GROUP_CONCAT Function in a View): Fixed in [5.0.16](#)
- [Bug#14469](#) (mysql_fix_privilege_tables.sql error in script): Fixed in [5.0.17](#)
- [Bug#14476](#) (^ information_schema`.`TABLES`.`TABLE_TYPE` with empty value): Fixed in [5.0.17](#)
- [Bug#14496](#) (Crash or strange results with prepared statement, MATCH and FULLTEXT): Fixed in [5.0.19](#)
- [Bug#14537](#) (Instanse manager crashes with 'access violation' when started on Windows): Fixed in [5.0.16](#)
- [Bug#14540](#) (REPAIR, OPTIMIZE or ANALYZE a VIEW crashes server when underlying table is gone): Fixed in [5.0.16](#)
- [Bug#14553](#) (NULL in WHERE resets LAST_INSERT_ID): Fixed in [5.0.25](#)
- [Bug#14554](#) (bad dump of triggers by mysqldump): Fixed in [5.0.17](#)

- [Bug#14569](#) (editing a stored procedure kills mysqld-nt): Fixed in [5.0.17](#)
- [Bug#14583](#) (Bug on query using a LIKE on indexed field with ucs2_bin collation): Fixed in [5.0.19](#)
- [Bug#14610](#) (mysqldhotcopy tries to copy virtual information_scheme table): Fixed in [5.0.17](#)
- [Bug#14614](#) (TRIGGER crashing on UPDATE if other database selected): Fixed in [5.0.18](#)
- [Bug#14616](#) (Freshly imported table returns error 124 when using LIMIT): Fixed in [5.0.17](#)
- [Bug#14649](#) (MySQLInstanceConfig.exe fails when writing configuration file): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#14676](#) (substring_index yields different results on same arguments): Fixed in [5.0.19](#)
- [Bug#14693](#) (Cannot create a new column default after column created): Fixed in [5.0.17](#)
- [Bug#14708](#) (Inconsistent treatment of NULLs in LEFT JOINed FULLTEXT matching without index): Fixed in [5.0.23](#)
- [Bug#14726](#) (Crash when mysqldump encounters a view while privileges limited.): Fixed in [5.0.17](#)
- [Bug#14768](#) (last_insert_id not set using Federated): Fixed in [5.0.19](#)
- [Bug#14770](#) (LOAD DATA INFILE doesn't respect default values for columns): Fixed in [5.0.25](#)
- [Bug#14807](#) (GeomFromText() should return MYSQL_TYPE_GEOMETRY): Fixed in [5.0.25](#)
- [Bug#14816](#) (VIEW performs filesort when using ORDER BY but underlying table does not): Fixed in [5.0.17](#)
- [Bug#14828](#) (ALL Nodes Crash. Forced node shutdown completed. Initiated by signal 0. Caused): Fixed in [5.0.17](#)
- [Bug#14834](#) (Server denies to execute Stored Procedure): Fixed in [5.0.19](#)
- [Bug#14850](#) (ERROR 1062 when a querying a view using a Group By on a column that can be null.): Fixed in [5.0.17](#)
- [Bug#14861](#) (aliased column names are not preserved.): Fixed in [5.0.18](#)
- [Bug#14885](#) (Out of memory when creating view in stored procedure): Fixed in [5.0.17](#)
- [Bug#14902](#) (ANALYZE TABLE fails to recognize up-to-date tables): Fixed in [5.0.17](#)
- [Bug#14920](#) (Ordering aggregated result sets with composite primary keys corrupts resultset): Fixed in [5.0.17](#)
- [Bug#14945](#) (Truncate table doesn't reset the auto_increment counter): Fixed in [5.0.21](#)
- [Bug#14946](#) (BENCHMARK() function returns strange results for stored functions): Fixed in [5.0.19](#)
- [Bug#14956](#) (no way to get row_count() info when using prepared statements): Fixed in [5.0.17](#)
- [Bug#14960](#) (Symbolic links do not work on Windows): Fixed in [5.0.17](#)
- [Bug#14980](#) (COUNT(*) incorrect on MyISAM table with certain INDEX): Fixed in [5.0.20](#)
- [Bug#15025](#) (LOAD DATA FROM MASTER attempts to load INFORMATION_SCHEMA): Fixed in [5.0.26](#)
- [Bug#15028](#) (Update multiple tables updates more rows than expected): Fixed in [5.0.17](#)
- [Bug#15094](#) (VC++ project is not correct (with other minor problems)): Fixed in [5.0.17](#)
- [Bug#15096](#) (View -< Function -< View = Crash): Fixed in [5.0.17](#)
- [Bug#15101](#) (sysdate() digregards SET TIMESTAMP): Fixed in [5.0.20](#)
- [Bug#15106](#) (EXPLAIN output differs for almost same query): Fixed in [5.0.18](#)
- [Bug#15215](#) (mysqld fails at start-up because of illegal reply from mgmd): Fixed in [5.0.17](#)
- [Bug#15240](#) (NDBD is aborted in MySQL Cluster): Fixed in [5.0.17](#)
- [Bug#15392](#) (Server crashes during prepared statement execute): Fixed in [5.0.17](#)
- [Bug#15441](#) (Running SP causes Server to Crash): Fixed in [5.0.18](#)

- [Bug#15658](#) (Server crashes after creating function as empty string): Fixed in [5.0.19](#)
- [Bug#15682](#) (Incorrect handling of varchar primary keys, when doing filesort): Fixed in [5.0.17](#)
- [Bug#15728](#) (LAST_INSERT_ID function inside a stored function returns 0): Fixed in [5.0.21](#)
- [Bug#15772](#) (Aborted YaSSL connections force threads into busyloops): Fixed in [5.0.18](#)
- [Bug#15811](#) (extremely long time for mysql client to execute long INSERT): Fixed in [5.0.23](#)
- [Bug#16081](#) (SLOW SELECT): Fixed in [5.0.26](#)
- [Bug#16143](#) (mysql_stmt_sqlstate returns an empty string instead of '00000'): Fixed in [5.0.19](#)
- [Bug#16172](#) (DECIMAL data type processed incorrectly): Fixed in [5.0.25](#)
- [Bug#18544](#) (LOCK TABLES timeout causes MyISAM table corruption): Fixed in [5.0.21](#)
- [Bug#18895](#) (BIT values cause joins to fail): Fixed in [5.0.23](#)
- [Bug#19025](#) (mysqldump doesn't correctly dump "auto_increment = [int]"): Fixed in [5.0.23](#)
- [Bug#19370](#) (DateTime datatype in MySQL has two bugs in it): Fixed in [5.0.25](#)
- [Bug#19745](#) (mysqldump --xml produces invalid xml): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#19764](#) (SHOW commands end up in the slow log as table scans): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#21811](#) (Odd casting with date + INTERVAL arithmetic): Fixed in [5.0.33](#), [5.0.30](#)

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- [Bug#9815](#) (--skip-innodb --default-table-type=innodb leads to assertion failure): Fixed in [5.0.16](#)
- [Bug#12071](#) (Windows hang: 'Opening tables' or 'Waiting for table' lockup): Fixed in [5.0.18](#)
- [Bug#12751](#) (Instance Manager: client hangs after start instance; kill mysqlmanager; show ...): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#13707](#) (Server crash with INSERT DELAYED on MyISAM table): Fixed in [5.0.16](#)
- [Bug#14061](#) (mysqldump fails when dumping view): Fixed in [5.0.15](#)
- [Bug#14090](#) (The server stores junk in the TRG/TRN files): Fixed in [5.0.17](#)
- [Bug#14094](#) (SLEEP() and Windows seems to be a bad combination.): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#14146](#) (CHAR(...USING ...) and CONVERT(CHAR(...)) USING...) produce different results): Fixed in [5.0.17](#)
- [Bug#14161](#) (Stored procedure cannot retrieve bigint unsigned): Fixed in [5.0.18](#)
- [Bug#14169](#) (ORDER BY changes field type to BLOB for GROUP_CONCAT): Fixed in [5.0.19](#)
- [Bug#14189](#) (VARBINARY and BINARY variables: trailing space ignored with InnoDB): Fixed in [5.0.19](#)
- [Bug#14207](#) (strange change of values CHARACTER_OCTET_LENGTH and CHARACTER_MAXIMUM_LENGTH): Fixed in [5.0.16](#)
- [Bug#14210](#) (Simple query with < operator on large table gives server crash): Fixed in [5.0.16](#)
- [Bug#14233](#) (Crash after tampering with the mysql.proc table): Fixed in [5.0.17](#)
- [Bug#14256](#) (definer in view definition is not fully qualified): Fixed in [5.0.16](#)
- [Bug#14270](#) (Stored procedures: crash if load index): Fixed in [5.0.19](#)
- [Bug#14299](#) (BINARY space truncation should cause warning or error): Fixed in [5.0.17](#)
- [Bug#14308](#) (server hang, with recursive view (after rename table)): Fixed in [5.0.21](#)
- [Bug#14342](#) (Complex subquery is causing the server to hang/crash): Fixed in [5.0.17](#)

- [Bug#14376](#) (MySQL crash on scoped variable (re)initialization): Fixed in [5.0.17](#)
- [Bug#14381](#) (Key length is limited to 255 bytes on BDB): Fixed in [5.0.16](#)
- [Bug#14387](#) (SHOW COLUMNS doesn't work on temporary tables.): Fixed in [5.0.18](#)
- [Bug#14399](#) (LOAD DATA FROM MASTER fails): Fixed in [5.0.26](#)
- [Bug#14476](#) (`information_schema`.`TABLES`.`TABLE_TYPE` with empty value): Fixed in [5.0.17](#)
- [Bug#14482](#) (Server crash when subselecting from the same table): Fixed in [5.0.16](#)
- [Bug#14496](#) (Crash or strange results with prepared statement, MATCH and FULLTEXT): Fixed in [5.0.19](#)
- [Bug#14498](#) (Stored procedures: hang if undefined variable and exception): Fixed in [5.0.19](#)
- [Bug#14532](#) (BIT type broken on federated): Fixed in [5.0.25](#)
- [Bug#14540](#) (REPAIR, OPTIMIZE or ANALYZE a VIEW crashes server when underlying table is gone): Fixed in [5.0.16](#)
- [Bug#14553](#) (NULL in WHERE resets LAST_INSERT_ID): Fixed in [5.0.25](#)
- [Bug#14554](#) (bad dump of triggers by mysqldump): Fixed in [5.0.17](#)
- [Bug#14610](#) (mysqlhotcopy tries to copy virtual information_scheme table): Fixed in [5.0.17](#)
- [Bug#14643](#) (Stored Procedure: Continuing after failed var. initialization crashes server.): Fixed in [5.0.17](#)
- [Bug#14654](#) (Cannot select from the same table twice within a UNION statement): Fixed in [5.0.26](#)
- [Bug#14662](#) (ORDER BY on column of a view, with an alias of the same column causes ambiguous): Fixed in [5.0.17](#)
- [Bug#14676](#) (substring_index yields different results on same arguments): Fixed in [5.0.19](#)
- [Bug#14693](#) (Cannot create a new column default after column created): Fixed in [5.0.17](#)
- [Bug#14723](#) (Dumping of stored functions seems to cause corruption in the function body): Fixed in [5.0.16](#)
- [Bug#14747](#) (Race condition can cause btr_search_drop_page_hash_index() to crash): Fixed in [5.0.17](#)
- [Bug#14768](#) (last_insert_id not set using Federated): Fixed in [5.0.19](#)
- [Bug#14816](#) (VIEW performs filesort when using ORDER BY but underlying table does not): Fixed in [5.0.17](#)
- [Bug#14863](#) (Triggers: crash if create before use): Fixed in [5.0.18](#)
- [Bug#14875](#) (Bad view DEFINER makes SHOW CREATE VIEW fail): Fixed in [5.0.23](#)
- [Bug#14885](#) (Out of memory when creating view in stored procedure): Fixed in [5.0.17](#)
- [Bug#15097](#) (missing LF at end of version string of mysql.exe): Fixed in [5.0.17](#)
- [Bug#15108](#) (mysqld crashes when innodb_log_file_size is set < 4G): Fixed in [5.0.19](#)
- [Bug#15130](#) (CREATE TABLE ... SELECT SQL_BIG_RESULT loses filesort optimization): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#15133](#) (unique index with nullable value not accepted in federated table): Fixed in [5.0.25](#)
- [Bug#15137](#) (CREATE TABLE ... SECLECT .. from a view with stored function doesn't work): Fixed in [5.0.23](#)
- [Bug#15151](#) (missing fill_help_tables.sql): Fixed in [5.0.19](#)
- [Bug#15185](#) (Server crashes if InnoDB table is opened when InnoDB is disabled): Fixed in [5.0.19](#)
- [Bug#15204](#) (5.0 Crashes when selecting from imported data): Fixed in [5.0.17](#)
- [Bug#15209](#) (MySQL installation problem on Windows ME): Fixed in [5.0.17](#)
- [Bug#15217](#) (Using a SP cursor on a table created with PREPARE fails with weird error): Fixed in [5.0.23](#)
- [Bug#15223](#) (5.0.16/5.0.17/4.1.16 RPM packages provides wrong zlib dependancy): Fixed in [5.0.17](#)

- [Bug#15224](#) (SHOW INDEX from temporary table doesn't work): Fixed in [5.0.18](#)
- [Bug#15229](#) (Unknown column when mixing ON and USING): Fixed in [5.0.20](#)
- [Bug#15231](#) (Stored procedure bug with not found condition handler): Fixed in [5.0.19](#)
- [Bug#15298](#) (SHOW GRANTS FOR CURRENT_USER: Incorrect output in DEFINER context): Fixed in [5.0.25](#)
- [Bug#15307](#) (GROUP_CONCAT() with ORDER BY returns empty set on information_schema): Fixed in [5.0.19](#)
- [Bug#15308](#) (Problem of Order with Enum Column in Primary Key): Fixed in [5.0.19](#)
- [Bug#15328](#) (Segmentation fault occurred if my.cnf is invalid for escape sequence): Fixed in [5.0.23](#)
- [Bug#15439](#) (UDF name case handling forces DELETE FROM mysql.func to remove the UDF): Fixed in [5.0.37](#), [5.0.34](#)
- [Bug#15463](#) (EXPLAIN SELECT..INTO hangs the client (QB, command line)): Fixed in [5.0.23](#)
- [Bug#15512](#) (crash during online add of API/SQL node): Fixed in [5.0.17](#)
- [Bug#15517](#) (Nodes shutting down when using NdbAPI equal() method on a VARCHAR field): Fixed in [5.0.17](#)
- [Bug#15538](#) (Bad SQL causes server crash): Fixed in [5.0.19](#)
- [Bug#15560](#) (GROUP_CONCAT on subquery with GROUP_CONCAT usually returns NULL): Fixed in [5.0.21](#)
- [Bug#15562](#) (Package for Solaris 10 has invalid unix group 'wheel' reference): Fixed in [5.0.19](#)
- [Bug#15598](#) (Server crashes in specific case during setting new password): Fixed in [5.0.19](#)
- [Bug#15619](#) (Test case 'ndb_autodiscover' failure on Linux/Itanium): Fixed in [5.0.19](#)
- [Bug#15633](#) (join order differences can affect optimizer and result in corrupted datasets): Fixed in [5.0.19](#)
- [Bug#15650](#) (DELETE with LEFT JOIN crashes server with innodb_locks_unsafe_for_binlog): Fixed in [5.0.21](#)
- [Bug#15658](#) (Server crashes after creating function as empty string): Fixed in [5.0.19](#)
- [Bug#15690](#) (mysqlimport tries to set options the server doesn't understand): Fixed in [5.0.25](#)
- [Bug#15695](#) (startings nodes hang in phase 2 forever on temporary network failure): Fixed in [5.0.21](#)
- [Bug#15719](#) (MYSQL_OPT_RECONNECT option is modified by mysql_real_connect): Fixed in [5.0.19](#)
- [Bug#15745](#) (COUNT(DISTINCT x,y) and COUNT(DISTINCT CONCAT(x,y)) return different values): Fixed in [5.0.20](#)
- [Bug#15757](#) (The substring function does not work as expected): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#15758](#) (Holding adaptive search latch in innobase_query_caching_of_table_permitted()): Fixed in [5.0.21](#)
- [Bug#15759](#) (MySQL 5.0.16 doesn't include the help tables properly on Windows): Fixed in [5.0.19](#)
- [Bug#15760](#) (fill_help_tables.sql doesn't work in strict mode): Fixed in [5.0.19](#)
- [Bug#15772](#) (Aborted YaSSL connections force threads into busyloops): Fixed in [5.0.18](#)
- [Bug#15787](#) (MySQL crashes when archive table exceeds 2GB): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#15846](#) (libmysql: handle-leak in mysql_close with shared memory (fix supplied)): Fixed in [5.0.20](#)
- [Bug#15851](#) (Unlistable directories yield no info from information_schema): Fixed in [5.0.19](#)
- [Bug#15860](#) (SPATIAL KEY InnoDB crash: MySQL gives key len too small?): Fixed in [5.0.23](#)
- [Bug#15872](#) (large NOT IN (a,b,c,d) lists consume huge amounts of memory in DML queries): Fixed in [5.0.21](#)
- [Bug#15918](#) (Unique Key Limit in NDB Engine): Fixed in [5.0.19](#)
- [Bug#15933](#) (max_used_connections is wrong after FLUSH STATUS if connections are cached): Fixed in [5.0.21](#)
- [Bug#16201](#) (Indexed query on a table with clause using 3+ indexes crashes InnoDB server): Fixed in [5.0.25](#)

- [Bug#16218](#) (Crash on insert delayed): Fixed in [5.0.25](#)
- [Bug#16281](#) (Multi-table update failing to change matched rows): Fixed in [5.0.21](#)
- [Bug#16377](#) ([BETWEEN] Weird issue when selecting records between two hard-coded dates): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#16603](#) (Row subquery gives different result when index is added): Fixed in [5.0.19](#)
- [Bug#16918](#) (Aborted_clients < Connections): Fixed in [5.0.52](#)
- [Bug#18819](#) (DELETE IGNORE hangs on foreign key parent delete): Fixed in [5.0.33](#), [5.0.30](#)

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- [Bug#13134](#) (Length of VARCHAR() utf8 column is increasing when table is recreated with PS/SP): Fixed in [5.0.19](#)
- [Bug#14708](#) (Inconsistent treatment of NULLs in LEFT JOINed FULLTEXT matching without index): Fixed in [5.0.23](#)
- [Bug#14845](#) (mysql_stmt_fetch returns MYSQL_NO_DATA when COUNT(*) is 0): Fixed in [5.0.17](#)
- [Bug#14850](#) (ERROR 1062 when a querying a view using a Group By on a column that can be null.): Fixed in [5.0.17](#)
- [Bug#14857](#) (Reading dump files with single statement stored routines fails.): Fixed in [5.0.19](#)
- [Bug#14861](#) (aliased column names are not preserved.): Fixed in [5.0.18](#)
- [Bug#14863](#) (Triggers: crash if create before use): Fixed in [5.0.18](#)
- [Bug#14875](#) (Bad view DEFINER makes SHOW CREATE VIEW fail): Fixed in [5.0.23](#)
- [Bug#14902](#) (ANALYZE TABLE fails to recognize up-to-date tables): Fixed in [5.0.17](#)
- [Bug#14920](#) (Ordering aggregated result sets with composite primary keys corrupts resultset): Fixed in [5.0.17](#)
- [Bug#14945](#) (Truncate table doesn't reset the auto_increment counter): Fixed in [5.0.21](#)
- [Bug#14980](#) (COUNT(*) incorrect on MyISAM table with certain INDEX): Fixed in [5.0.20](#)
- [Bug#15011](#) (error handler for mysql_errno in nested block not activated): Fixed in [5.0.19](#)
- [Bug#15025](#) (LOAD DATA FROM MASTER attempts to load INFORMATION_SCHEMA): Fixed in [5.0.26](#)
- [Bug#15028](#) (Update multiple tables updates more rows than expected): Fixed in [5.0.17](#)
- [Bug#15047](#) (server crash when compiling without transaction support): Fixed in [5.0.17](#)
- [Bug#15096](#) (View -< Function -< View = Crash): Fixed in [5.0.17](#)
- [Bug#15101](#) (sysdate() digregards SET TIMESTAMP): Fixed in [5.0.20](#)
- [Bug#15103](#) (SHOW TRIGGERS: small output alignment problem): Fixed in [5.0.18](#)
- [Bug#15106](#) (EXPLAIN output differs for almost same query): Fixed in [5.0.18](#)
- [Bug#15110](#) (mysqldump --triggers: does not include DEFINER clause): Fixed in [5.0.18](#)
- [Bug#15133](#) (unique index with nullable value not accepted in federated table): Fixed in [5.0.25](#)
- [Bug#15185](#) (Server crashes if InnoDB table is opened when InnoDB is disabled): Fixed in [5.0.19](#)
- [Bug#15195](#) (Security Breach with MERGE table): Fixed in [5.0.24](#)
- [Bug#15206](#) (Misleading message "No data to FETCH"): Fixed in [5.0.19](#)
- [Bug#15223](#) (5.0.16/5.0.17/4.1.16 RPM packages provides wrong zlib dependancy): Fixed in [5.0.17](#)
- [Bug#15224](#) (SHOW INDEX from temporary table doesn't work): Fixed in [5.0.18](#)
- [Bug#15231](#) (Stored procedure bug with not found condition handler): Fixed in [5.0.19](#)

- [Bug#15276](#) (MySQL ignores collation-server): Fixed in [5.0.25](#)
- [Bug#15298](#) (SHOW GRANTS FOR CURRENT_USER: Incorrect output in DEFINER context): Fixed in [5.0.25](#)
- [Bug#15307](#) (GROUP_CONCAT() with ORDER BY returns empty set on information_schema): Fixed in [5.0.19](#)
- [Bug#15308](#) (Problem of Order with Enum Column in Primary Key): Fixed in [5.0.19](#)
- [Bug#15328](#) (Segmentation fault occurred if my.cnf is invalid for escape sequence): Fixed in [5.0.23](#)
- [Bug#15347](#) (query with subquery has different results on 4.1 and 5.0): Fixed in [5.0.19](#)
- [Bug#15355](#) (Common natural join column not resolved in prepared statement nested query): Fixed in [5.0.23](#)
- [Bug#15425](#) (Small window for NF during backup failing without error): Fixed in [5.0.17](#)
- [Bug#15441](#) (Running SP causes Server to Crash): Fixed in [5.0.18](#)
- [Bug#15463](#) (EXPLAIN SELECT..INTO hangs the client (QB, command line)): Fixed in [5.0.23](#)
- [Bug#15480](#) (Warning message contains junk): Fixed in [5.0.20](#)
- [Bug#15510](#) (mysql_warning_count returns 0 after mysql_stmt_fetch which should warn): Fixed in [5.0.17](#)
- [Bug#15518](#) (Reusing a stmt that has failed during prepare does not clear error): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#15538](#) (Bad SQL causes server crash): Fixed in [5.0.19](#)
- [Bug#15583](#) (BIN()/OCT()/CONV() do not work with BIT values): Fixed in [5.0.26](#)
- [Bug#15605](#) (5.0.17 test case 'mysqltest' failure): Fixed in [5.0.17](#)
- [Bug#15623](#) (Test case rpl000001 and rpl_error_ignored_table failure on MacOSX): Fixed in [5.0.17](#)
- [Bug#15630](#) (Test case failure in sp-dynamic, sp-error, and sp): Fixed in [5.0.17](#)
- [Bug#15634](#) (Runtime stack overflow Windows's compiler warning): Fixed in [5.0.19](#)
- [Bug#15668](#) (Test 'sp-error' crashes server on Mac OS X): Fixed in [5.0.17](#)
- [Bug#15669](#) (Test case 'csv' produces incorrect result on OpenBSD): Fixed in [5.0.25](#)
- [Bug#15675](#) (Test 'ndb_read_multi_range' fails on FreeBSD and HP-UX 11.23 IA64): Fixed in [5.0.18](#)
- [Bug#15699](#) (multi-table update does not work with replicate-wild-do-table): Fixed in [5.0.19](#)
- [Bug#15775](#) ("drop user" command does not refresh acl_check_hosts): Fixed in [5.0.19](#)
- [Bug#15866](#) (main.sp fails (thread stack limit insufficient for recursive call "fib(20)")): Fixed in [5.0.19](#)
- [Bug#15917](#) (wrong result in NIST test on Windows for nested SELECT with GROUP BY): Fixed in [5.0.21](#)
- [Bug#15943](#) (mysql_next_result hangs on invalid SHOW CREATE VIEW): Fixed in [5.0.19](#)
- [Bug#15950](#) (NOW() optimized away to constant in BETWEEN ... AND ... in VIEWS): Fixed in [5.0.25](#)
- [Bug#15962](#) (union truncate column composed by concat()): Fixed in [5.0.23](#)
- [Bug#15980](#) (net_read_timeout set too low): Fixed in [5.0.19](#)
- [Bug#16069](#) (Using BETWEEN with a VIEW doesn't work correctly): Fixed in [5.0.21](#)
- [Bug#16110](#) (insert permitted into view col w/o default value): Fixed in [5.0.25](#)
- [Bug#16166](#) (cannot force index merge): Fixed in [5.0.19](#)
- [Bug#16168](#) (execute the same queries, however the results are different): Fixed in [5.0.25](#)
- [Bug#16260](#) (VIEW MERGE fails (connection lost) for some select): Fixed in [5.0.19](#)
- [Bug#16266](#) (Definer is not fully qualified error during replication): Fixed in [5.0.17](#), [5.0.20](#)

- [Bug#16372](#) (server crashes when test 'conc_sys' is running): Fixed in [5.0.23](#)
- [Bug#16387](#) (InnoDB crash when dropping a foreign key <table<_ibfk_0): Fixed in [5.0.19](#)
- [Bug#16581](#) (deadlock: server and client both read from connection in 'conc_sys' test): Fixed in [5.0.25](#)
- [Bug#16593](#) (Deadlock or crash in stress test for case where triggers starting trigger): Fixed in [5.0.19](#)
- [Bug#16662](#) (rpm packages built with icc compiler depended on icc libraries): Fixed in [5.0.21](#)
- [Bug#16710](#) (select distinct doesn't return all it should): Fixed in [5.0.21](#)
- [Bug#16716](#) (constant subselect - incorrect result on sequential rows): Fixed in [5.0.23](#)
- [Bug#17194](#) (Problem with usage of mysql-test suite shipped for RPM based platforms): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#17204](#) (second CALL to procedure crashes Server): Fixed in [5.0.23](#)
- [Bug#19147](#) (mysqlshow INFORMATION_SCHEMA does not work): Fixed in [5.0.25](#)
- [Bug#23760](#) (row_count() and store procedure not working together): Fixed in [5.0.33](#), [5.0.32](#)

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- [Bug#14028](#) ([Data Loss] NDB node crashes during backup if a BLOB is inserted and deleted): Fixed in [5.0.20](#)
- [Bug#14346](#) (Prepared statements corrupting general log/server memory): Fixed in [5.0.25](#)
- [Bug#14635](#) (Accept NEW.x as INOUT parameters to stored procedures from within triggers): Fixed in [5.0.23](#)
- [Bug#15480](#) (Warning message contains junk): Fixed in [5.0.20](#)
- [Bug#15588](#) (String overrun during sp-vars.test): Fixed in [5.0.19](#)
- [Bug#15613](#) (libmysqlclient API function mysql_stmt_prepare returns wrong field length): Fixed in [5.0.18](#)
- [Bug#15633](#) (join order differences can affect optimizer and result in corrupted datasets): Fixed in [5.0.19](#)
- [Bug#15650](#) (DELETE with LEFT JOIN crashes server with innodb_locks_unsafe_for_binlog): Fixed in [5.0.21](#)
- [Bug#15658](#) (Server crashes after creating function as empty string): Fixed in [5.0.19](#)
- [Bug#15684](#) (system variables cannot be SELECTed (e.g. @@version_comment)): Fixed in [5.0.23](#)
- [Bug#15728](#) (LAST_INSERT_ID function inside a stored function returns 0): Fixed in [5.0.21](#)
- [Bug#15752](#) (Lost connection to MySQL server when calling a SP from C API): Fixed in [5.0.25](#)
- [Bug#15787](#) (MySQL crashes when archive table exceeds 2GB): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#15846](#) (libmysql: handle-leak in mysql_close with shared memory (fix supplied)): Fixed in [5.0.20](#)
- [Bug#15860](#) (SPATIAL KEY InnoDB crash: MySQL gives key len too small?): Fixed in [5.0.23](#)
- [Bug#15963](#) (SBR does not show "Definer" correctly on slave host (rpl_ddl.test)): Fixed in [5.0.20](#)
- [Bug#16016](#) (Problem with optimization of SELECT MAX() FROM view): Fixed in [5.0.19](#)
- [Bug#16195](#) (SHOW VARIABLES doesn't report correctly sql_warnings and sql_notes values): Fixed in [5.0.23](#)
- [Bug#16201](#) (Indexed query on a table with clause using 3+ indexes crashes InnoDB server): Fixed in [5.0.25](#)
- [Bug#16203](#) (GROUP BY on column used in where returns false empty result): Fixed in [5.0.19](#)
- [Bug#16218](#) (Crash on insert delayed): Fixed in [5.0.25](#)
- [Bug#16226](#) (TIMESTAMPDIFF seems to ignore time when interval is bigger than week): Fixed in [5.0.25](#)
- [Bug#16240](#) (datadir after basedir in my.cnf causes datadir to be possibly incorrect): Fixed in [5.0.21](#)

- [Bug#16249](#) (Different results for query with and without indexes): Fixed in [5.0.25](#)
- [Bug#16272](#) (IF with floating point values does not work with GROUP BY): Fixed in [5.0.19](#)
- [Bug#16298](#) (InnoDB segfaults in INSERTs in upgrade of 4.0 -< 5.0 tables with VARCHAR BINARY): Fixed in [5.0.19](#)
- [Bug#16302](#) (Non-table subquery with ANY gives wrong results): Fixed in [5.0.25](#)
- [Bug#16303](#) (erroneous stored procedures and functions should be droppable): Fixed in [5.0.19](#)
- [Bug#16377](#) ([BETWEEN] Weird issue when selecting records between two hard-coded dates): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#16382](#) (SELECT with IF and GROUP BY on VIEW can crash server): Fixed in [5.0.19](#)
- [Bug#16393](#) (No index used on outer table of nested left join): Fixed in [5.0.19](#)
- [Bug#16461](#) (connection_id() does not work properly inside trigger): Fixed in [5.0.21](#)
- [Bug#16474](#) (SP crashed MySQL): Fixed in [5.0.20](#)
- [Bug#16487](#) (table ignores fail with multiple tables in updates): Fixed in [5.0.19](#)
- [Bug#16494](#) (Updates that set a column to NULL fail sometimes): Fixed in [5.0.25](#)
- [Bug#16502](#) (mysqlcheck gets confused with views): Fixed in [5.0.23](#)
- [Bug#16513](#) (mysql_set_server_option not present in libmysqld.lib/exp): Fixed in [5.0.25](#)
- [Bug#16520](#) (solaris package does not include shared/relocatable libraries): Fixed in [5.0.41](#)
- [Bug#16557](#) (mysql cmd-line client does not rename .mysql_history.TMP to .mysql_history): Fixed in [5.0.19](#)
- [Bug#16559](#) (Replication Problems with Non transactional tables inside an interrupted trans.): Fixed in [5.0.19](#)
- [Bug#16582](#) (InnoDB: Error in an adaptive hash index pointer to page): Fixed in [5.0.19](#)
- [Bug#16593](#) (Deadlock or crash in stress test for case where triggers starting trigger): Fixed in [5.0.19](#)
- [Bug#16611](#) (INSERT DELAYED corrupts data): Fixed in [5.0.25](#)
- [Bug#16676](#) (Database CHARSET not used for stored procedures): Fixed in [5.0.25](#)
- [Bug#16681](#) (information_schema shows forbidden VIEW details): Fixed in [5.0.23](#)
- [Bug#16712](#) (group_concat returns odd string instead of intended result): Fixed in [5.0.25](#)
- [Bug#16716](#) (constant subselect - incorrect result on sequential rows): Fixed in [5.0.23](#)
- [Bug#16752](#) (MySQL crashes on a query): Fixed in [5.0.19](#)
- [Bug#16777](#) (Can not create trigger nor view w/o definer if --skip-grant-tables specified): Fixed in [5.0.20](#)
- [Bug#16803](#) ("ln -s /dev/null .mysql_history" doesn't work!): Fixed in [5.0.23](#)
- [Bug#16813](#) (WITH CHECK OPTION doesn't work with UPDATE command): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#16814](#) (SHOW INNODB STATUS format error in LATEST FOREIGN KEY ERROR section): Fixed in [5.0.20](#)
- [Bug#16829](#) (Firing trigger crashes the server): Fixed in [5.0.19](#)
- [Bug#16861](#) (User variables and ORDER BY RAND() LIMIT 1 product unexpected result): Fixed in [5.0.25](#)
- [Bug#16878](#) (dump of trigger): Fixed in [5.0.19](#)
- [Bug#16896](#) (Stored function: unused AGGREGATE-clause in CREATE FUNCTION): Fixed in [5.0.19](#)
- [Bug#16899](#) (Possible buffer overflow in handling of DEFINER-clause): Fixed in [5.0.24a](#)
- [Bug#16986](#) (Deadlock condition with MyISAM tables): Fixed in [5.0.23](#)
- [Bug#17001](#) (Table and server crash on ALTER TABLE): Fixed in [5.0.23](#)

- [Bug#17002](#) (mysql-test-run as root user): Fixed in [5.0.21](#)
- [Bug#17044](#) (FEDERATED storage engine is not UTF8 clean): Fixed in [5.0.37](#), [5.0.34](#)
- [Bug#17126](#) (CHECK TABLE on InnoDB causes a short hang during check of adaptive hash): Fixed in [5.0.20](#)
- [Bug#17164](#) (LEFT JOIN with OR clause not optimized correctly): Fixed in [5.0.20](#)
- [Bug#17199](#) (Problem when view calls function from another database.): Fixed in [5.0.23](#)
- [Bug#17201](#) (mysqldump sometimes creates database twice): Fixed in [5.0.23](#)
- [Bug#17203](#) ("sql_no_cache sql_cache" in views created from prepared statement): Fixed in [5.0.23](#)
- [Bug#17208](#) (SSL: client does not verify server certificate): Fixed in [5.0.23](#)
- [Bug#17212](#) (results not sorted correctly by ORDER BY when using index): Fixed in [5.0.25](#)
- [Bug#17254](#) (Error for DEFINER security on VIEW provides too much info): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#17261](#) (Passing a variable from a stored procedure to UDF crashes mysqld): Fixed in [5.0.20](#)
- [Bug#17264](#) (MySQL Server freeze): Fixed in [5.0.23](#)
- [Bug#17279](#) (user with no global privs and with create priv in db can create databases): Fixed in [5.0.20](#)
- [Bug#17294](#) (INSERT DELAYED putting an \n before data): Fixed in [5.0.25](#)
- [Bug#17303](#) (Create View privileges not available for remote root user): Fixed in [5.0.51a](#)
- [Bug#17313](#) (N'xxx' and _utf8'xxx' are not equivalent): Fixed in [5.0.25](#)
- [Bug#17366](#) (crash on left join on union with literal, 5.0.18): Fixed in [5.0.20](#)
- [Bug#17371](#) (Unable to dump a schema with invalid views): Fixed in [5.0.23](#)
- [Bug#17374](#) (select ... like 'A%' operator fails to find value on columns with key): Fixed in [5.0.20](#)
- [Bug#17377](#) (Federated Engine returns wrong Data, always the rows with the highest ID): Fixed in [5.0.20](#)
- [Bug#17379](#) (5.0 is slower than 4.0 by 3.5x times in select/join query): Fixed in [5.0.23](#)
- [Bug#17476](#) (Stored procedure not returning data when it is called first time per connection): Fixed in [5.0.19](#)
- [Bug#17485](#) (Instance Manager: mysql client crashes when connecting to the IM): Fixed in [5.0.25](#)
- [Bug#17498](#) (failed to put data file in custom directory use "data directory" option): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#17526](#) (errors thrown by VIEW using TRIM("x" FROM some_field)): Fixed in [5.0.24](#)
- [Bug#17530](#) (Bug in non-UNIQUE index column truncation): Fixed in [5.0.19](#)
- [Bug#17591](#) (Updatable view not possible with trigger or stored function): Fixed in [5.0.25](#)
- [Bug#17602](#) (Server crash on AVG/SUM over DECIMAL column): Fixed in [5.0.19](#)
- [Bug#17608](#) (String literals lost during INSERT query on FEDERATED table): Fixed in [5.0.25](#)
- [Bug#17615](#) (invalid handling of function results in UPDATE...SET statement): Fixed in [5.0.20](#)
- [Bug#17635](#) (Sleep time long process after time clock adjust in system): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#17661](#) (information_schema.SCHEMATA returns uppercase with lower_case_table_names = 1): Fixed in [5.0.23](#)
- [Bug#17667](#) (An attacker has the opportunity to bypass query logging.): Fixed in [5.0.23](#)
- [Bug#17726](#) (mysqld hangs at update of view with check option): Fixed in [5.0.20](#)
- [Bug#17729](#) (Result corruption with ORDER BY and NDB tables): Fixed in [5.0.20](#)
- [Bug#17733](#) (Flushing logs causes daily server crash): Fixed in [5.0.33](#), [5.0.32](#)

- [Bug#17764](#) (trigger crashes myisam table): Fixed in [5.0.20](#)
- [Bug#17823](#) ('arc' directories inside database directories): Fixed in [5.0.72](#)
- [Bug#17826](#) ('type_decimal' fails with ps-protocol): Fixed in [5.0.19](#)
- [Bug#17843](#) (Certain stored procedures fail to run at startup): Fixed in [5.0.25](#)
- [Bug#17951](#) (mysampack --force --silent : adnormal end in Windows XP): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#18036](#) (update of table joined to self reports table as crashed): Fixed in [5.0.23](#)
- [Bug#18037](#) (Server crash when returning system variable in stored procedures): Fixed in [5.0.23](#)
- [Bug#18077](#) (InnoDB uses full explicit table locks in stored FUNCTION): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#18080](#) (INSERT ... SELECT ... JOIN results in ambiguous field list error): Fixed in [5.0.24](#)
- [Bug#18091](#) (libmysqlclient.a relocation error): Fixed in [5.0.22](#)
- [Bug#18116](#) (MySQL 5.0 deadlocks while writing binary log): Fixed in [5.0.20](#)
- [Bug#18160](#) (Memory-/HEAP Table endless growing indexes): Fixed in [5.0.23](#)
- [Bug#18165](#) (SQL optimizer inefficiencies with "BETWEEN" statements): Fixed in [5.0.25](#)
- [Bug#18175](#) (union with aggregate function over 128 tables returns fail.): Fixed in [5.0.23](#)
- [Bug#18177](#) (any access to INFORMATION_SCHEMA.ROUTINES crashes): Fixed in [5.0.23](#)
- [Bug#18206](#) (first key part using prefix of utf8 varchar field yeilds empty set sometimes): Fixed in [5.0.23](#)
- [Bug#18233](#) (Memory tables INDEX USING HASH (a,b) returns 1 row on SELECT WHERE a= AND b=): Fixed in [5.0.23](#)
- [Bug#18238](#) (When locks exhaust the buffer pool, InnoDB does not roll back the trx): Fixed in [5.0.20](#)
- [Bug#18503](#) (Queries with "< ALL (subquery)" on InnoDB tables may return wrong result.): Fixed in [5.0.25](#)
- [Bug#18539](#) (uncompress(d) is null: impossible?): Fixed in [5.0.25](#)
- [Bug#18643](#) (crazy UNCOMPRESS()): Fixed in [5.0.21](#)
- [Bug#18660](#) (Can't grant any privileges on single table in database with underscore char): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#18681](#) (View privileges are broken): Fixed in [5.0.23](#)
- [Bug#18863](#) (NDB node fails to restart, cluster stuck in state trying to restart it.): Fixed in [5.0.25](#)
- [Bug#18925](#) (Dependant, subquery on information_schema.COLUMNS returns wrong result): Fixed in [5.0.25](#)
- [Bug#19024](#) (SHOW COUNT(*) WARNINGS not return Errors): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#19288](#) (Package "shared compat" might not conain newly build 5.0/5.1 shared libs): Fixed in [5.0.21](#)
- [Bug#19479](#) (mysqldump creates invalid dump): Fixed in [5.0.23](#)
- [Bug#19648](#) (Merge table does not work with bit types): Fixed in [5.0.23](#)
- [Bug#19649](#) (Extremely slow join): Fixed in [5.0.25](#)
- [Bug#19700](#) (subselect returning BIGINT always returned it as SIGNED): Fixed in [5.0.23](#)
- [Bug#19702](#) (Using mysampack/mysamchk on a FULLTEXT indexed table results in table corrupt): Fixed in [5.0.26](#)
- [Bug#20108](#) (alter table default value errors on enum fields when unicode): Fixed in [5.0.26](#)
- [Bug#20395](#) (Cluster Datanodes Always Assigned To NodeGroup 0 During SINGLE USER MODE): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#20697](#) (slave fails to rollback replicated transaction hang over innodb_lock_wait_timeout): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#21013](#) (Performance Degrades when importing data that uses Trigger and Stored Procedure): Fixed in [5.0.25](#)

- [Bug#21174](#) (Index degrades sort performance and optimizer does not honor IGNORE INDEX): Fixed in [5.0.40](#), [5.0.41](#), [5.0.25](#)
- [Bug#22989](#) (START SLAVE causes Error on COM_REGISTER_SLAVE: 1105 'Wrong parameters to functi): Fixed in [5.0.60](#)
- [Bug#23196](#) (MySQL server does not exit / shutdown when storage engine returns errno 12): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#28188](#) ('not exists' optimization for outer joins does not work anymore): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#29166](#) (Mysql crash when query is run): Fixed in [5.0.51](#), [5.0.46](#)

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- [Bug#11835](#) (CREATE FUNCTION crashes server): Fixed in [5.0.20](#)
- [Bug#12734](#) (prepared statement may return incorrect result set for a select SQL request): Fixed in [5.0.19](#)
- [Bug#13987](#) (Cluster: Loss of data nodes can cause high CPU usage from ndb_mgmd): Fixed in [5.0.23](#)
- [Bug#14635](#) (Accept NEW.x as INOUT parameters to stored procedures from within triggers): Fixed in [5.0.23](#)
- [Bug#15591](#) (Occasional test suite abort due to port in use): Fixed in [5.0.19](#)
- [Bug#15650](#) (DELETE with LEFT JOIN crashes server with innodb_locks_unsafe_for_binlog): Fixed in [5.0.21](#)
- [Bug#15811](#) (extremely long time for mysql client to execute long INSERT): Fixed in [5.0.23](#)
- [Bug#15933](#) (max_used_connections is wrong after FLUSH STATUS if connections are cached): Fixed in [5.0.21](#)
- [Bug#15950](#) (NOW() optimized away to constant in BETWEEN ... AND ... in VIEWs): Fixed in [5.0.25](#)
- [Bug#15962](#) (union truncate column composed by concat()): Fixed in [5.0.23](#)
- [Bug#16081](#) (SLOW SELECT): Fixed in [5.0.26](#)
- [Bug#16168](#) (execute the same queries, however the results are different): Fixed in [5.0.25](#)
- [Bug#16172](#) (DECIMAL data type processed incorrectly): Fixed in [5.0.25](#)
- [Bug#16195](#) (SHOW VARIABLES doesn't report correctly sql_warnings and sql_notes values): Fixed in [5.0.23](#)
- [Bug#16201](#) (Indexed query on a table with clause using 3+ indexes crashes InnoDB server): Fixed in [5.0.25](#)
- [Bug#16203](#) (GROUP BY on column used in where returns false empty result): Fixed in [5.0.19](#)
- [Bug#16226](#) (TIMESTAMPDIFF seems to ignore time when interval is bigger than week): Fixed in [5.0.25](#)
- [Bug#16249](#) (Different results for query with and without indexes): Fixed in [5.0.25](#)
- [Bug#16260](#) (VIEW MERGE fails (connection lost) for some select): Fixed in [5.0.19](#)
- [Bug#16297](#) (In memory grant tables not flushed when users's hostname is ""): Fixed in [5.0.23](#)
- [Bug#16302](#) (Non-table subquery with ANY gives wrong results): Fixed in [5.0.25](#)
- [Bug#16377](#) ([BETWEEN] Weird issue when selecting records between two hard-coded dates): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#16382](#) (SELECT with IF and GROUP BY on VIEW can crash server): Fixed in [5.0.19](#)
- [Bug#16387](#) (InnoDB crash when dropping a foreign key <table<_ibfk_0): Fixed in [5.0.19](#)
- [Bug#16461](#) (connection_id() does not work properly inside trigger): Fixed in [5.0.21](#)
- [Bug#16474](#) (SP crashed MySQL): Fixed in [5.0.20](#)
- [Bug#16494](#) (Updates that set a column to NULL fail sometimes): Fixed in [5.0.25](#)
- [Bug#16502](#) (mysqlcheck gets confused with views): Fixed in [5.0.23](#)
- [Bug#16568](#) (Continue handler with simple CASE not working correctly): Fixed in [5.0.19](#)

- [Bug#16603](#) (Row subquery gives different result when index is added): Fixed in [5.0.19](#)
- [Bug#16611](#) (INSERT DELAYED corrupts data): Fixed in [5.0.25](#)
- [Bug#16676](#) (Database CHARSET not used for stored procedures): Fixed in [5.0.25](#)
- [Bug#16681](#) (information_schema shows forbidden VIEW details): Fixed in [5.0.23](#)
- [Bug#16752](#) (MySQL crashes on a query): Fixed in [5.0.19](#)
- [Bug#16777](#) (Can not create trigger nor view w/o definer if --skip-grant-tables specified): Fixed in [5.0.20](#)
- [Bug#16792](#) (query with subselect, join, and group not returning proper values): Fixed in [5.0.26](#)
- [Bug#16803](#) ("ln -s /dev/null .mysql_history" doesn't work!): Fixed in [5.0.23](#)
- [Bug#16829](#) (Firing trigger crashes the server): Fixed in [5.0.19](#)
- [Bug#16857](#) (Altering BINARY(x) column uses incorrect padding): Fixed in [5.0.19](#)
- [Bug#16859](#) (mysql client improperly handles NULL-terminated strings): Fixed in [5.0.19](#)
- [Bug#16896](#) (Stored function: unused AGGREGATE-clause in CREATE FUNCTION): Fixed in [5.0.19](#)
- [Bug#16899](#) (Possible buffer overflow in handling of DEFINER-clause): Fixed in [5.0.24a](#)
- [Bug#16918](#) (Aborted_clients < Connections): Fixed in [5.0.52](#)
- [Bug#17001](#) (Table and server crash on ALTER TABLE): Fixed in [5.0.23](#)
- [Bug#17015](#) (Routine name truncation not an error): Fixed in [5.0.20](#)
- [Bug#17039](#) (Cursor with procedure crashes client): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#17043](#) (Casting trimmed string to decimal loses precision): Fixed in [5.0.21](#)
- [Bug#17048](#) (CREATE TABLE ... SELECT truncate values): Fixed in [5.0.23](#)
- [Bug#17164](#) (LEFT JOIN with OR clause not optimized correctly): Fixed in [5.0.20](#)
- [Bug#17201](#) (mysqldump sometimes creates database twice): Fixed in [5.0.23](#)
- [Bug#17203](#) ("sql_no_cache sql_cache" in views created from prepared statement): Fixed in [5.0.23](#)
- [Bug#17254](#) (Error for DEFINER security on VIEW provides too much info): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#17264](#) (MySQL Server freeze): Fixed in [5.0.23](#)
- [Bug#17294](#) (INSERT DELAYED putting an \n before data): Fixed in [5.0.25](#)
- [Bug#17313](#) (N'xxx' and _utf8'xxx' are not equivalent): Fixed in [5.0.25](#)
- [Bug#17353](#) (mysqld_safe sets core file size only when run as root): Fixed in [5.0.23](#)
- [Bug#17366](#) (crash on left join on union with literal, 5.0.18): Fixed in [5.0.20](#)
- [Bug#17374](#) (select ... like 'A%' operator fails to find value on columns with key): Fixed in [5.0.20](#)
- [Bug#17377](#) (Federated Engine returns wrong Data, always the rows with the highest ID): Fixed in [5.0.20](#)
- [Bug#17411](#) (cannot have path longer than 128 characters): Fixed in [5.0.19](#)
- [Bug#17476](#) (Stored procedure not returning data when it is called first time per connection): Fixed in [5.0.19](#)
- [Bug#17526](#) (errors thrown by VIEW using TRIM("x" FROM some_field)): Fixed in [5.0.24](#)
- [Bug#17726](#) (mysqld hangs at update of view with check option): Fixed in [5.0.20](#)
- [Bug#17733](#) (Flushing logs causes daily server crash): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#18023](#) (IM: instance can be started several times; monitor interval must be < 2sec): Fixed in [5.0.23](#)

- [Bug#18077](#) (InnoDB uses full explicit table locks in stored FUNCTION): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#18113](#) (SELECT * FROM information_schema.xxx crashes server): Fixed in [5.0.20](#)
- [Bug#18153](#) (REPAIR/OPTIMIZE/ALTER on transactional tables corrupt triggers): Fixed in [5.0.20](#)
- [Bug#18177](#) (any access to INFORMATION_SCHEMA.ROUTINES crashes): Fixed in [5.0.23](#)
- [Bug#18184](#) (SELECT ... FOR UPDATE does not work..): Fixed in [5.0.25](#)
- [Bug#18195](#) (MySQL on Windows not built with YaSSL correctly): Fixed in [5.0.20](#)
- [Bug#18224](#) (VIEW on information_schema crashes the server): Fixed in [5.0.20](#)
- [Bug#18235](#) (assertion/crash when windows mysqld is ended with ctrl-c): Fixed in [5.0.23](#)
- [Bug#18237](#) (COUNT(*) on view returns different results than base table): Fixed in [5.0.21](#)
- [Bug#18265](#) (mysql client: No longer right-justifies numeric columns): Fixed in [5.0.21](#)
- [Bug#18267](#) (pthreads library in single-threaded libraries causes dlopen() to fail on HP/UX): Fixed in [5.0.26](#)
- [Bug#18275](#) (invalid file descriptor causes crash on windows): Fixed in [5.0.23](#)
- [Bug#18279](#) (While using complex queries with bracketed joins mysqld-nt service terminate): Fixed in [5.0.20](#)
- [Bug#18281](#) (group_concat changes charset to binary): Fixed in [5.0.20](#)
- [Bug#18282](#) (INFORMATION_SCHEMA.TABLES provides inconsistent info about invalid views): Fixed in [5.0.23](#)
- [Bug#18293](#) (Values in stored procedure written to binlog unescaped): Fixed in [5.0.20](#)
- [Bug#18306](#) (MySQL crashes and restarts using subquery): Fixed in [5.0.20](#)
- [Bug#18321](#) (Can't store Euro Sign with latin1_german1_ci and latin1_general_ci): Fixed in [5.0.21](#)
- [Bug#18361](#) (Triggers on mysql.user table cause server crash): Fixed in [5.0.25](#)
- [Bug#18444](#) (Fully qualified stored function names don't work correctly in SELECT statements): Fixed in [5.0.25](#)
- [Bug#18455](#) (Embedded server win32 build): Fixed in [5.0.23](#)
- [Bug#18462](#) (mysqldump does not dump view structures correctly): Fixed in [5.0.23](#)
- [Bug#18475](#) (Out of memory in COPY_FRAG): Fixed in [5.0.25](#)
- [Bug#18516](#) (mysql_upgrade missing in binary packages): Fixed in [5.0.23](#)
- [Bug#18587](#) (Function that accepts and returns TEXT garbles data if longer than 766 chars): Fixed in [5.0.23](#)
- [Bug#18618](#) (Joining tables with DATE BETWEEN in WHERE clause gives unexpected results): Fixed in [5.0.21](#)
- [Bug#18691](#) (Converting number to UNICODE string returns invalid result.): Fixed in [5.0.21](#)
- [Bug#18739](#) (select having field=max(field) causes problems): Fixed in [5.0.23](#)
- [Bug#18761](#) (constant expression as UDF parameters not passed in as constant): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#18764](#) (Delete conditions causing inconsistencies in Federated tables): Fixed in [5.0.25](#)
- [Bug#18767](#) (Single resultset UNION doesn't sort correctly): Fixed in [5.0.21](#)
- [Bug#18787](#) (Server crashed when calling a stored procedure containing a misnamed function): Fixed in [5.0.21](#)
- [Bug#18810](#) (MySQL starts before ypbind with SuSE RPMs): Fixed in [5.0.23](#)
- [Bug#18874](#) (Setting myisam_repair_threads < 1, index cardinality always 1): Fixed in [5.0.25](#)
- [Bug#18908](#) (ERROR 1406 (22001): Data too long for column :: using utf8): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#18940](#) (STRAIGHT_JOIN generates bad execution plan in 5.0): Fixed in [5.0.23](#)

- [Bug#19079](#) (key_cache_block_size set to 4K corrupts indexes): Fixed in [5.0.21](#)
- [Bug#19136](#) (Crashing log-bin and uninitialized user variables in a derived table): Fixed in [5.0.23](#)
- [Bug#19192](#) (CHECK TABLE EXTENDED / REPAIR TABLE show no errors. ALTER TABLE crashes): Fixed in [5.0.23](#)
- [Bug#19372](#) (Optimizer does not use index anymore when WHERE index NOT IN () is added): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#19424](#) (InnoDB: Possibly a memory overrun of the buffer being freed (64-bit Visual C)): Fixed in [5.0.33](#), [5.0.28](#), [5.0.34](#)
- [Bug#19604](#) (CHECK TABLE with concurrent INSERT can reset auto_increment): Fixed in [5.0.23](#)
- [Bug#19960](#) (Inconsistent results when joining InnoDB tables using partial UTF8 indexes): Fixed in [5.0.26](#)
- [Bug#20637](#) ("load data concurrent infile" locks the table): Fixed in [5.0.33](#), [5.0.30sp1](#), [5.0.32](#)
- [Bug#21059](#) (Server crashes on join query with large dataset with NDB tables): Fixed in [5.0.25](#)
- [Bug#21113](#) (Duplicate printout in SHOW INNODB STATUS): Fixed in [5.0.25](#)

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- [Bug#15530](#) (Cluster start up "show" shows all data nodes as master during start): Fixed in [5.0.21](#)
- [Bug#15881](#) (expression = constant -< invalid results when they are of different types): Fixed in [5.0.37](#), [5.0.34](#)
- [Bug#15921](#) (DROP TRIGGER - can't be drop trigger created in older version): Fixed in [5.0.20](#)
- [Bug#16201](#) (Indexed query on a table with clause using 3+ indexes crashes InnoDB server): Fixed in [5.0.25](#)
- [Bug#16211](#) (Stored function return type for strings is ignored): Fixed in [5.0.25](#)
- [Bug#16539](#) (MySQL-shared-compat-4.1.15-0.i386.rpm requires glibc 2.3): Fixed in [5.0.21](#)
- [Bug#17608](#) (String literals lost during INSERT query on FEDERATED table): Fixed in [5.0.25](#)
- [Bug#18113](#) (SELECT * FROM information_schema.xxx crashes server): Fixed in [5.0.20](#)
- [Bug#18153](#) (REPAIR/OPTIMIZE/ALTER on transactional tables corrupt triggers): Fixed in [5.0.20](#)
- [Bug#18224](#) (VIEW on information_schema crashes the server): Fixed in [5.0.20](#)
- [Bug#18243](#) (View returns two different results for identical expressions in a concat): Fixed in [5.0.25](#)
- [Bug#18246](#) (compilation error with tcp_wrapper): Fixed in [5.0.26](#)
- [Bug#18279](#) (While using complex queries with bracketed joins mysqld-nt service terminate): Fixed in [5.0.20](#)
- [Bug#18306](#) (MySQL crashes and restarts using subquery): Fixed in [5.0.20](#)
- [Bug#18344](#) (DROP DATABASE does not drop associated routines): Fixed in [5.0.21](#)
- [Bug#18516](#) (mysql_upgrade missing in binary packages): Fixed in [5.0.23](#)
- [Bug#18618](#) (Joining tables with DATE BETWEEN in WHERE clause gives unexpected results): Fixed in [5.0.21](#)
- [Bug#18715](#) (replicate-wild-ignore-table prevents CREATE VIEW from replicating): Fixed in [5.0.21](#)
- [Bug#18964](#) (return 0 instead of DEBUG_RETURN(0) in sql_base.cc::open_table()): Fixed in [5.0.21](#)
- [Bug#19021](#) (Server crashes while resolving index merge): Fixed in [5.0.21](#)
- [Bug#19077](#) (Wrong results from VIEWS with BIGINTs and extrema functions): Fixed in [5.0.23](#)
- [Bug#19089](#) (CREATE TABLE ... SELECT * FROM a view with an ENUM column and GROUP BY fails): Fixed in [5.0.23](#)
- [Bug#19111](#) (TRIGGERs selecting from a VIEW on the firing base table fail): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#19121](#) (Windows incompatible udf_example): Fixed in [5.0.26](#)

- [Bug#19136](#) (Crashing log-bin and uninitialized user variables in a derived table): Fixed in [5.0.23](#)
- [Bug#19190](#) (syntax error in mysql-test/mysql-test-run.sh script): Fixed in [5.0.21](#)
- [Bug#19191](#) (Repeated crashes on OpenBSD for ssl test cases): Fixed in [5.0.23](#)
- [Bug#19207](#) (Final parenthesis omitted for CREATE INDEX in Stored Procedure): Fixed in [5.0.25](#)
- [Bug#19208](#) (Test 'rpl000017' hangs on Windows): Fixed in [5.0.23](#)
- [Bug#19209](#) (Test 'rpl_openssl' hangs on Windows): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#19399](#) (Stored Procedures 'Lost Connection' when dropping/creating tables): Fixed in [5.0.25](#)
- [Bug#19419](#) (VIEW: View that the column name is different by master and slave is made): Fixed in [5.0.26](#)
- [Bug#19834](#) (Using cursors when running in READ-COMMITTED can cause InnoDB to crash): Fixed in [5.0.25](#)
- [Bug#19955](#) (unsigned bigint treated as signed by MOD): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#19960](#) (Inconsistent results when joining InnoDB tables using partial UTF8 indexes): Fixed in [5.0.26](#)
- [Bug#19967](#) (W32 case insensitive tablename cannot be transferred to Linux): Fixed in [5.0.23](#)
- [Bug#20152](#) (mysql_stmt_execute() overwrites parameter buffers): Fixed in [5.0.24](#)
- [Bug#21468](#) (InnoDB crash during recovery with corrupted data pages: XA bug?): Fixed in [5.0.33](#), [5.0.30sp1](#), [5.0.32](#)
- [Bug#22026](#) (Warning when using IF statement and large unsigned bigint): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#25543](#) (Replication of wrong values if using rand() in stored procedure): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#29136](#) (erred multi-delete on trans table does not rollback the statement): Fixed in [5.0.54](#)

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- [Bug#8153](#) (Stored procedure with subquery and continue handler, wrong result): Fixed in [5.0.25](#)
- [Bug#11081](#) (Using a CONVERT_TZ function in a stored function or trigger fails): Fixed in [5.0.23](#)
- [Bug#15522](#) (create ... select and with merge tables drops underlying table): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#16218](#) (Crash on insert delayed): Fixed in [5.0.25](#)
- [Bug#16504](#) (Some of the simplest SELECTs are 1000 times slower in v5 compared to v4): Fixed in [5.0.21](#)
- [Bug#16621](#) (INSERTs in Stored Procedures causes data corruption in the Binary Log for 5.0.18): Fixed in [5.0.19](#)
- [Bug#17733](#) (Flushing logs causes daily server crash): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#18091](#) (libmysqlclient.a relocation error): Fixed in [5.0.22](#)
- [Bug#18165](#) (SQL optimizer inefficiencies with "BETWEEN" statements): Fixed in [5.0.25](#)
- [Bug#18177](#) (any access to INFORMATION_SCHEMA.ROUTINES crashes): Fixed in [5.0.23](#)
- [Bug#18492](#) (mysqld reports ER_ILLEGAL_REFERENCE in --ps-protocol): Fixed in [5.0.23](#)
- [Bug#18630](#) (Arguments of suid routine calculated in wrong security context): Fixed in [5.0.25](#)
- [Bug#18643](#) (crazy UNCOMPRESS()): Fixed in [5.0.21](#)
- [Bug#18681](#) (View privileges are broken): Fixed in [5.0.23](#)
- [Bug#18691](#) (Converting number to UNICODE string returns invalid result.): Fixed in [5.0.21](#)
- [Bug#18739](#) (select having field=max(field) causes problems): Fixed in [5.0.23](#)
- [Bug#18764](#) (Delete conditions causing inconsistencies in Federated tables): Fixed in [5.0.25](#)

- [Bug#18908](#) (ERROR 1406 (22001): Data too long for column :: using utf8): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#18914](#) (Calling certain SPs from triggers fail): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#18925](#) (Dependant, subquery on information_schema.COLUMNS returns wrong result): Fixed in [5.0.25](#)
- [Bug#18930](#) (Memory leak in sp-vars.test): Fixed in [5.0.23](#)
- [Bug#18966](#) (Change in stop/shutdown behaviour): Fixed in [5.0.23](#)
- [Bug#19022](#) (Memory bug when switching db during trigger execution): Fixed in [5.0.23](#)
- [Bug#19188](#) (incorrect temporary table name of DROP query in replication): Fixed in [5.0.22](#)
- [Bug#19194](#) (Right recursion in parser for CASE causes excessive stack usage, limitation): Fixed in [5.0.37](#), [5.0.34](#)
- [Bug#19198](#) (mysqld failure during DBT2): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#19204](#) (ARCHIVE data size increases when table is flushed): Fixed in [5.0.23](#)
- [Bug#19236](#) (bad COLUMNS.CHARACTER_MAXIMUM_LENGTH and CHARACTER_OCTET_LENGTH): Fixed in [5.0.23](#)
- [Bug#19318](#) (valgrind: memory leak in ndb_mgmd): Fixed in [5.0.23](#)
- [Bug#19342](#) (IN works incorrectly for BIGINT UNSIGNED values): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#19356](#) (Assert on undefined @uservar in prepared statement execute): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#19368](#) (Failure in "flush_instances" causes assert in Thread_registry): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#19370](#) (DateTime datatype in MySQL has two bugs in it): Fixed in [5.0.25](#)
- [Bug#19371](#) (VARBINARY() have trailing zeros after upgrade from 4.1): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#19391](#) (IM fails to start after two executions): Fixed in [5.0.23](#)
- [Bug#19402](#) (SQL close to the size of the max_allowed_packet fails on the slave): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#19407](#) (Test 'func_regexp' fails on Windows x64): Fixed in [5.0.23](#)
- [Bug#19410](#) (Test 'kill' fails on Windows + SCO): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#19424](#) (InnoDB: Possibly a memory overrun of the buffer being freed (64-bit Visual C)): Fixed in [5.0.33](#), [5.0.28](#), [5.0.34](#)
- [Bug#19474](#) (readline bug: mysql: free(): invalid pointer): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#19490](#) (View on a date column with calculated INTERVAL crashes the server): Fixed in [5.0.23](#)
- [Bug#19537](#) (NDB API: NdbOperation::write_attr does not update 32-bit fields correctly): Fixed in [5.0.23](#)
- [Bug#19573](#) (Views with complex expressions in first column gives errors when selected): Fixed in [5.0.23](#)
- [Bug#19606](#) (ssl variables are not displayed in show variables): Fixed in [5.0.23](#)
- [Bug#19618](#) ("select x from x where x not in(1,-1)" may crash the server): Fixed in [5.0.23](#)
- [Bug#19634](#) (Re-execution of multi-delete which involve trigger/stored function crashes MySQL): Fixed in [5.0.23](#)
- [Bug#19667](#) (group by a decimal expression yields wrong result): Fixed in [5.0.23](#)
- [Bug#19714](#) (COALESCE() returns wrong datatype in VIEWS): Fixed in [5.0.25](#)
- [Bug#19717](#) (DELETE Query Error on BLACKHOLE when using WHERE on column with UNIQUE INDEX): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#19789](#) (VIEW with WITH CHECK OPTION allows invalid REPLACE): Fixed in [5.0.23](#)
- [Bug#19799](#) (delimiter command not working correctly when sourcing a sql file): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#19810](#) (Bundled YASSL in libmysqlclient conflicts with OpenSSL): Fixed in [5.0.25](#)

- [Bug#19815](#) (CREATE/RENAME/DROP DATABASE can deadlock on a global read lock): Fixed in [5.0.23](#)
- [Bug#19816](#) (Optimizer wrongly rewrites LEFT as INNER JOIN and produces wrong results): Fixed in [5.0.23](#)
- [Bug#19817](#) (error when try to compile PHP5.1 with mysql 5.0.21 static libs): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#19828](#) (Case sensitivity in hostname leads to inconsistent behavior): Fixed in [5.0.52](#)
- [Bug#19834](#) (Using cursors when running in READ-COMMITTED can cause InnoDB to crash): Fixed in [5.0.25](#)
- [Bug#19857](#) (When a user with CREATE ROUTINE priv creates a routine it results in NULL p/w): Fixed in [5.0.25](#)
- [Bug#19873](#) (After an ndb_mgmd restart, ndb_mgm needs a command to be executed twice): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#19904](#) (UDF: not initialized *is_null per row): Fixed in [5.0.25](#)
- [Bug#19930](#) (Incorrect thread handling in ndb_mgmd could casue crash/incorrect behavior): Fixed in [5.0.23](#)
- [Bug#19932](#) (mgmapi crash if disconnect in ndb_mgm_get_status): Fixed in [5.0.23](#)
- [Bug#20016](#) (error in mgm protocol parser error message incorrect): Fixed in [5.0.23](#)
- [Bug#20028](#) (Function with select return no data): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#20045](#) (Qcache invalidate crashes when INSERT ... SELECT query uses a VIEW): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#20078](#) (MySQL-bench-5.0.21 RPMs contain strange dependencies): Fixed in [5.0.23](#)
- [Bug#20095](#) (Changing length of VARCHAR field with UTF8 collation does not truncate values): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#20100](#) (mysql_upgrade passes socket parameter to mysqlcheck etc. incorrectly): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#20141](#) (User-defined variables are not replicated properly for SF/Triggers in SBR mode): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#20145](#) (perror segfault when call it with error nr): Fixed in [5.0.25](#)
- [Bug#20252](#) (NDB API: NdbIndexScanOperation::readTuples ignores the batch parameter): Fixed in [5.0.25](#)
- [Bug#20419](#) (ndbd --nowait-nodes=<id_of_running_node< fails with bad error message): Fixed in [5.0.25](#)
- [Bug#20637](#) ("load data concurrent infile" locks the table): Fixed in [5.0.33](#), [5.0.30sp1](#), [5.0.32](#)
- [Bug#20708](#) (ndb_cache_check_time doesn't get set from my.cnf file): Fixed in [5.0.25](#)
- [Bug#20862](#) (truncated result with show variables like 'innodb_data_file_path'): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#20910](#) (NOT NULL column reported as NULL in SHOW FIELDS or INFORMATION_SCHEMA): Fixed in [5.0.25](#)
- [Bug#21007](#) (NATURAL JOIN (any JOIN (2 x NATURAL JOIN)) crashes the server): Fixed in [5.0.25](#)
- [Bug#21103](#) (DATE column not compared as DATE): Fixed in [5.0.45](#), [5.0.44](#), [5.0.41](#)
- [Bug#21132](#) (Slave fails to reconnect on update_slave_list): Fixed in [5.0.54](#)
- [Bug#21459](#) (myisam_ftdump gives bad counts for common words): Fixed in [5.0.26](#)
- [Bug#21462](#) (Stored procedures with no arguments require parenthesis): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#21468](#) (InnoDB crash during recovery with corrupted data pages: XA bug?): Fixed in [5.0.33](#), [5.0.30sp1](#), [5.0.32](#)
- [Bug#21493](#) (MySQL aborts on calling function with ROW IN subquery for multiple rows): Fixed in [5.0.26](#)
- [Bug#23666](#) (strange Innodb_row_lock_time_% values in show status; also millisecs wrong): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#24478](#) (DROP TRIGGER is not caught by replicate-*-table filters): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#29420](#) (crash with show and purge binlogs): Fixed in [5.0.51](#), [5.0.46](#)

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- [Bug#11312](#) (DELIMITER is not written to the binary log that causes syntax error): Fixed in [5.0.19](#)
- [Bug#16201](#) (Indexed query on a table with clause using 3+ indexes crashes InnoDB server): Fixed in [5.0.25](#)
- [Bug#18462](#) (mysqldump does not dump view structures correctly): Fixed in [5.0.23](#)
- [Bug#19372](#) (Optimizer does not use index anymore when WHERE index NOT IN () is added): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#19399](#) (Stored Procedures 'Lost Connection' when dropping/creating tables): Fixed in [5.0.25](#)
- [Bug#19564](#) (mysql displays NULL instead of space): Fixed in [5.0.23](#)
- [Bug#19700](#) (subselect returning BIGINT always returned it as SIGNED): Fixed in [5.0.23](#)
- [Bug#19705](#) (connector/j can't connect to 5.0.22 server using certificate): Fixed in [5.0.25](#)
- [Bug#19714](#) (COALESCE() returns wrong datatype in VIEWS): Fixed in [5.0.25](#)
- [Bug#19725](#) (Calls to SF in other database are not replicated correctly in some cases): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#19736](#) (VIEW: column names not quoted properly when view is replicated): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#19773](#) (Crash when using multi-table updates with federated tables): Fixed in [5.0.23](#)
- [Bug#19834](#) (Using cursors when running in READ-COMMITTED can cause InnoDB to crash): Fixed in [5.0.25](#)
- [Bug#19835](#) (Binary copy of corrupted tables crash the server when issuing a query): Fixed in [5.0.25](#)
- [Bug#19955](#) (unsigned bigint treated as signed by MOD): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#20045](#) (Qcache invalidate crashes when INSERT ... SELECT query uses a VIEW): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#20119](#) (Undefined functions when linking with libmysqlclient with yaSSL + icc): Fixed in [5.0.23](#)
- [Bug#20190](#) (Unixware 7.13 port and make test errors): Fixed in [5.0.25](#)
- [Bug#20195](#) (INSERT DELAYED with auto_increment is assigned wrong values): Fixed in [5.0.23](#)
- [Bug#20221](#) (Dumping of multiple databases containing view(s) yields malformed dumps): Fixed in [5.0.24](#)
- [Bug#20256](#) (LOCK WRITE - MyISAM): Fixed in [5.0.26](#)
- [Bug#20293](#) (group by cuts off value from time_format): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#20327](#) (incorrect results with views, server-side prepared stmts, correlated subquery): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#20395](#) (Cluster Datanodes Always Assigned To NodeGroup 0 During SINGLE USER MODE): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#20396](#) (Bin Log does not get DELIMITER cmd - Recover StoredProc fails): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#20411](#) ("GRANT ... REQUIRE ISSUER nnn AND SUBJECT mmm" fails to require both): Fixed in [5.0.25](#)
- [Bug#20420](#) (optimizer reports wrong keys on left join with IN): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#20430](#) (mysqld.exe windows service stuck in "SERVICE_STOP_PENDING" status): Fixed in [5.0.74](#)
- [Bug#20446](#) (NDB API: scans with updates by multiple processes/threads can skip some records): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#20466](#) (SELECT with GROUP BY from view missing data when trigger defined on base table): Fixed in [5.0.25](#)
- [Bug#20492](#) (Subsequent calls to stored procedure yield incorrect result if join is used): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#20519](#) ("Subquery returns more that 1 row" error with "limit x, 1"): Fixed in [5.0.25](#)
- [Bug#20542](#) (fill_help_tables.sql Does Not Work With ANSI_QUOTES): Fixed in [5.0.23](#)
- [Bug#20551](#) (fill_help_tables.sql Lacks Character Encoding Declaration): Fixed in [5.0.23](#)
- [Bug#20569](#) (Garbage in DECIMAL results from some mathematical functions): Fixed in [5.0.25](#)
- [Bug#20596](#) (Views don't replicate with LOAD DATA FROM MASTER): Fixed in [5.0.26](#)

- [Bug#20697](#) (slave fails to rollback replicated transaction hang over innodb_lock_wait_timeout): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#20789](#) (Merge Subtable Rename Causes Crash): Fixed in [5.0.26](#)
- [Bug#20792](#) (Incorrect results from aggregate subquery): Fixed in [5.0.25](#)
- [Bug#20825](#) (rollup puts non-equal values together): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#20860](#) (error 2341: 'Internal program error (failed ndbrequire)'): Fixed in [5.0.25](#)
- [Bug#20868](#) (Client connection is broken on SQL query error): Fixed in [5.0.25](#)
- [Bug#20927](#) (sec_to_time treats big unsigned as signed): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#20987](#) (str_to_date doesn't accept user variable for specification): Fixed in [5.0.25](#)
- [Bug#21042](#) (mysql client segfaults on importing a mysqldump export): Fixed in [5.0.25](#)
- [Bug#21051](#) (RESET QUERY CACHE very slow when query_cache_type=0): Fixed in [5.0.25](#)
- [Bug#21054](#) (mysiam_stats_method ignored in my.cnf and cmdline): Fixed in [5.0.25](#)
- [Bug#21056](#) (ndb pushdown equal/setValue error on datetime): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#21081](#) (SELECT inside stored procedure returns wrong results): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#21158](#) (mysql_config doesn't include -lmygcc): Fixed in [5.0.58](#)
- [Bug#21166](#) (Prepared statement causes signal 11 on second execution): Fixed in [5.0.25](#)
- [Bug#21180](#) (Subselect with index for both WHERE and ORDER BY produces empty result): Fixed in [5.0.26](#)
- [Bug#21206](#) (memory corruption when too many cursors are opened at once): Fixed in [5.0.24](#)
- [Bug#21208](#) (time_zone_name.`Name` column is not wide enough): Fixed in [5.0.26](#)
- [Bug#21215](#) (mysqldump creating incomplete backups without warning): Fixed in [5.0.25](#)
- [Bug#21263](#) (mysql client XML output does not distinguish between NULL and string 'NULL'): Fixed in [5.0.26](#)
- [Bug#21265](#) (mysqld_error.h file not installed when building only client libraries): Fixed in [5.0.37](#), [5.0.34](#)
- [Bug#21282](#) (NOT IN, more than 1000 returns incorrect results with INDEX): Fixed in [5.0.25](#)
- [Bug#21302](#) (Result not properly sorted when using an ORDER BY on a second table in a join): Fixed in [5.0.25](#)
- [Bug#21310](#) (Trees in SQL causing a "crashed" table with MyISAM storage engine): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#21354](#) ((COUNT(*) = 1) not working in SELECT inside prepared statement): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#21392](#) (multi-table delete with alias table name fails with 1003: Incorrect table name): Fixed in [5.0.26](#)
- [Bug#21424](#) (mysqldump failing to export/import views - note update below, when using definer): Fixed in [5.0.26](#)
- [Bug#21476](#) (stack overflow crashes server; error-message stack reservation too small): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#21535](#) (3r: The failure handling of node 1 ends up in an infinite loop.): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#21556](#) (federated table - charset=euckr): Fixed in [5.0.37](#), [5.0.34](#)
- [Bug#22271](#) (data casting may affect data stored in the next column(s?): Fixed in [5.0.26](#)
- [Bug#22342](#) (No results returned for query using max and group by): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#23097](#) (mysql can't insert korean on mysql prompt.): Fixed in [5.0.60](#)
- [Bug#23313](#) (AUTO_INCREMENT=# not reported back for InnoDB tables): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#23451](#) (GROUP_CONCAT truncates a multibyte utf8 character): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#24653](#) (server crash, with multirow subquery in order by): Fixed in [5.0.36](#), [5.0.37](#)

- [Bug#24856](#) (distinct with constant item and rollup =< missing summary lines): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#26207](#) (inserts don't work with shortened index): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#26794](#) (Adding an index with a prefix on a SPATIAL type breaks ALTER TABLE): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#28980](#) (ROUND(x,y) returns different results for same literal and int column values as y): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#30666](#) (Incorrect order when using range conditions on 2 tables or more): Fixed in [5.0.52](#)
- [Bug#35848](#) (UUID() returns UUIDs with the wrong time): Fixed in [5.0.68](#)
- [Bug#37226](#) (Explicit call of my_thread_init() on Windows for every new thread): Fixed in [5.0.70](#)

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- [Bug#11312](#) (DELIMITER is not written to the binary log that causes syntax error): Fixed in [5.0.19](#)
- [Bug#17526](#) (errors thrown by VIEW using TRIM("x" FROM some_field)): Fixed in [5.0.24](#)
- [Bug#18243](#) (View returns two different results for identical expressions in a concat): Fixed in [5.0.25](#)
- [Bug#18539](#) (uncompress(d) is null: impossible?): Fixed in [5.0.25](#)
- [Bug#18895](#) (BIT values cause joins to fail): Fixed in [5.0.23](#)
- [Bug#19474](#) (readline bug: mysql: free(): invalid pointer): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#19702](#) (Using myisampack/myisamchk on a FULLTEXT indexed table results in table corrupt): Fixed in [5.0.26](#)
- [Bug#19834](#) (Using cursors when running in READ-COMMITTED can cause InnoDB to crash): Fixed in [5.0.25](#)
- [Bug#20076](#) (Crash if grouping a ucs2 column): Fixed in [5.0.25](#)
- [Bug#20095](#) (Changing length of VARCHAR field with UTF8 collation does not truncate values): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#20100](#) (mysql_upgrade passes socket parameter to mysqlcheck etc. incorrectly): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#20103](#) (Escaping with backslash does not work): Fixed in [5.0.25](#)
- [Bug#20191](#) (getTableNames gives wrong or inconsistent result when using VIEWS): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#20221](#) (Dumping of multiple databases containing view(s) yields malformed dumps): Fixed in [5.0.24](#)
- [Bug#20333](#) (valgrind: mgmd event reporting dep on uninit value): Fixed in [5.0.23](#)
- [Bug#20396](#) (Bin Log does not get DELIMITER cmd - Recover StoredProc fails): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#20420](#) (optimizer reports wrong keys on left join with IN): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#20438](#) (CREATE statements for views, stored routines and triggers can be not replicable): Fixed in [5.0.25](#)
- [Bug#20536](#) (md5() with GROUP BY and UCS2 return different results on myisam/innodb): Fixed in [5.0.25](#)
- [Bug#20569](#) (Garbage in DECIMAL results from some mathematical functions): Fixed in [5.0.25](#)
- [Bug#20570](#) (CURRENT_USER() in a VIEW with SQL SECURITY DEFINER returns invoker name): Fixed in [5.0.24](#)
- [Bug#20579](#) (memory bug (valgrind): Syscall param write(buf) points to uninitialised byte): Fixed in [5.0.23](#)
- [Bug#20589](#) (Missing some table level privileges after upgrade): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#20616](#) (drop_temp_table test fails on Windows platform): Fixed in [5.0.23](#)
- [Bug#20664](#) (Unprivileged SHOW CREATE FUNCTION crashes 'mysql' command line client): Fixed in [5.0.24](#)
- [Bug#20670](#) (UPDATE using key and invoking trigger that modifies this key does not stop): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#20691](#) (DATETIME col (NOT NULL, NO DEFAULT) may insert garbage when specifying DEFAULT): Fixed in [5.0.33](#), [5.0.36](#), [5.0.37](#)

- [Bug#20713](#) (Functions will not not continue for SQLSTATE VALUE '42S02'): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#20728](#) (REPLACE does not work correctly for NDB table with PK and unique index): Fixed in [5.0.25](#)
- [Bug#20769](#) (Dangling pointer error in test case ctype_recoding): Fixed in [5.0.23](#)
- [Bug#20778](#) (strange characters in warning message 1366 when called in SP): Fixed in [5.0.26](#)
- [Bug#20783](#) (Valgrind uninitialised warning in test case ctype_uca): Fixed in [5.0.23](#)
- [Bug#20803](#) (ICC 9.1.039 produces bad code compiling "mysql_client_test.c"): Fixed in [5.0.51](#), [5.0.50](#)
- [Bug#20903](#) (Crash when using CREATE TABLE .. SELECT and triggers): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#20919](#) (temp tables closing fails when binlog is off): Fixed in [5.0.24a](#)
- [Bug#20989](#) (View '(null).(null)' references invalid table(s)... on SQL SECURITY INVOKER): Fixed in [5.0.24](#)
- [Bug#21002](#) (Derived table not selecting from a "real" table fails in JOINS): Fixed in [5.0.24](#)
- [Bug#21014](#) (Segmentation fault of mysqldump on view): Fixed in [5.0.24](#)
- [Bug#25309](#) (SSL connections without CA certificate broken since MySQL 5.0.23): Fixed in [5.0.40](#), [5.0.41](#)

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- [Bug#16494](#) (Updates that set a column to NULL fail sometimes): Fixed in [5.0.25](#)
- [Bug#17485](#) (Instance Manager: mysql client crashes when connecting to the IM): Fixed in [5.0.25](#)
- [Bug#18267](#) (pthreads library in single-threaded libraries causes dlopen() to fail on HP/UX): Fixed in [5.0.26](#)
- [Bug#19575](#) (MySQL-shared-5.0.21-0.glibc23 causes segfault in SSL_library_init): Fixed in [5.0.23](#)
- [Bug#19834](#) (Using cursors when running in READ-COMMITTED can cause InnoDB to crash): Fixed in [5.0.25](#)
- [Bug#20825](#) (rollup puts non-equal values together): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#20850](#) (Assert during slave shutdown in many rpl_* tests): Fixed in [5.0.24](#)
- [Bug#20910](#) (NOT NULL column reported as NULL in SHOW FIELDS or INFORMATION_SCHEMA): Fixed in [5.0.25](#)
- [Bug#20968](#) (incorrect DBUG_ENTER string in mysqld.cc network_init(void) function): Fixed in [5.0.25](#)
- [Bug#21052](#) (Fix error message when aborting backup): Fixed in [5.0.48](#)
- [Bug#21269](#) (DEFINER-clause is allowed for UDF-functions): Fixed in [5.0.25](#)
- [Bug#21396](#) (Wrong error number generated for a missing table: 1017 vs 1146): Fixed in [5.0.25](#)
- [Bug#21468](#) (InnoDB crash during recovery with corrupted data pages: XA bug?): Fixed in [5.0.33](#), [5.0.30sp1](#), [5.0.32](#)
- [Bug#21475](#) (incorrect result and warning with datetime and subquery): Fixed in [5.0.25](#)
- [Bug#21483](#) (Server abort or deadlock on INSERT DELAYED with another implicit insert): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#21505](#) (Create view - illegal mix of collation for operation 'UNION'): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#21507](#) (I can't create a unique hash index in NDB): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#21537](#) (Error at startup): Fixed in [5.0.24a](#)
- [Bug#21543](#) (5.0.24 breaks ABI compatibility for python bindings: InterfaceError on connect): Fixed in [5.0.24a](#)
- [Bug#21582](#) (mysql server crashes in close_temporary_tables): Fixed in [5.0.24a](#)
- [Bug#21587](#) (FLUSH TABLES causes server crash when used with HANDLER statements): Fixed in [5.0.32](#)
- [Bug#21617](#) (crash when selecting from merge table with inconsistent indexes): Fixed in [5.0.33](#), [5.0.30](#)

- [Bug#21618](#) (NULL shown as empty string in client): Fixed in [5.0.26](#)
- [Bug#21620](#) (ALTER TABLE affects other columns): Fixed in [5.0.26](#)
- [Bug#21635](#) (MYSQL_FIELD struct's member strings seem to misbehave for expression cols): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#21638](#) (InnoDB: possible segfault in page_copy_rec_list_end_no_locks): Fixed in [5.0.26](#)
- [Bug#21646](#) (ALGORITHM=MERGE CREATE VIEW FAILS FOR INNER JOINS WITH SUBQUERIES USING AGG FUNC): Fixed in [5.0.26](#)
- [Bug#21675](#) (engine=archive 2GB file limit, when reached mysqld restarts on any query): Fixed in [5.0.26](#)
- [Bug#21698](#) (ASCII() function results are not respected in a WHERE clause): Fixed in [5.0.26](#)
- [Bug#21727](#) (sort_buffer_size has an extremely negative impact on a query as it increases): Fixed in [5.0.33](#), [5.0.30sp1](#), [5.0.32](#)
- [Bug#21765](#) (Illegal Instruction crash on pre-pentium when using YASSL): Fixed in [5.0.33](#), [5.0.42](#), [5.0.45](#), [5.0.32](#)
- [Bug#21772](#) (can not name a column 'upgrade' when create a table in version 5.0.24): Fixed in [5.0.26](#)
- [Bug#21774](#) (Column count doesn't match value count at row x): Fixed in [5.0.25](#)
- [Bug#21781](#) (Replication slave io thread hangs): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#21790](#) (geometry field with spatial index returns ERROR 1105 (HY000): Unknown error): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#21798](#) (memory leak during query execution with subquery in column list using a function): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#21809](#) (Error 1356 while selecting from view with grouping though underlying select OK.): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#21825](#) (Incorrect message error deleting records in a table with a trigger for inserting): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#21856](#) (Prepared Statments: crash if bad create): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#21904](#) (parser problem when using IN with a double "(()"): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#21930](#) (libmysqlclient defines BN_bin2bn which belongs to OpenSSL! Breaks other apps!): Fixed in [5.0.25](#)
- [Bug#22015](#) (nested group_concat in subselect results in server crash): Fixed in [5.0.26](#)
- [Bug#22029](#) (str_to_date returning NULL, while date_format works using identical format.): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#22043](#) (MySQL don't add "USE <DATABASE<" before "DROP PROCEDURE IF EXISTS"): Fixed in [5.0.33](#), [5.0.36](#), [5.0.37](#)
- [Bug#22053](#) (REPAIR table can crash server for some really damaged MyISAM tables): Fixed in [5.0.37](#), [5.0.34](#)
- [Bug#22227](#) (ulong not defined for client library): Fixed in [5.0.26](#)
- [Bug#22238](#) (32bitversion of MySQL Server in 'Linux (AMD64 / Intel EM64T) Intel C/C++' binary): Fixed in [5.0.25](#)
- [Bug#22251](#) (Shared compatibilty library RPMs are incomplete (5.0.24a)): Fixed in [5.0.24a](#)
- [Bug#22326](#) (Build problems on hurd-i386: conflicting declaration of socklen_t): Fixed in [5.0.26](#)
- [Bug#22331](#) (EXPLAIN EXTENDED does not always return full query information): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#22344](#) (InnoDB keys act strange on datetime vs timestamp comparison): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#22364](#) (Inconsistent "matched rows" when executing UPDATE): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#22367](#) (Optimizer uses ref join type instead of eq_ref for simple join on strings): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#22372](#) (Disable spatial key, load data, enable spatial key, crashes table): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#22413](#) (EXPLAIN SELECT FROM view with ORDER BY yield server crash): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#22457](#) (Column alias in ORDER BY works, but not if in an expression): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#22555](#) (STDDEV yields positive result for groups with only one row): Fixed in [5.0.36](#), [5.0.37](#)

- [Bug#22580](#) (DROP TABLE in nested stored procedure causes strange dependency error): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#22584](#) (last_insert_id not updated after inserting a record through a updatable view): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#22877](#) (replication character sets get out of sync using replicate-wild-ignore-table): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#23037](#) (Bug in field "Default" of query "SHOW COLUMNS FROM table"): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#23240](#) (--init-file statements with NOW() reports '1970-01-01 11:00:00' as the date time): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#23299](#) (Some queries against INFORMATION_SCHEMA with subqueries fail): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#23404](#) (ROW_FORMAT=FIXED option is lost is an index is added to the table): Fixed in [5.0.37](#), [5.0.34](#)
- [Bug#23417](#) ((ONLY_FULL_GROUP_BY) function of aggregate is still an aggregate [S3/S2]): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#23491](#) (MySQLDump prefix function call in a view by database name): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#23616](#) (Week() changed behaviour between 5.0.22 and 5.0.24): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#23656](#) (NOW() and CURDATE() doesn't convert correctly when used by CAST() function): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#23775](#) (Replicated event larger that max_allowed_packet infinitely re-transmits): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#26503](#) (Illegal SQL exception handler code causes the server to crash): Fixed in [5.0.40](#)
- [Bug#26622](#) (MASTER_POS_WAIT does not work as documented): Fixed in [5.0.60](#)
- [Bug#26909](#) (Specified key was too long; max key length is 255 bytes when create table): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#27300](#) (create view with geometry functions lost columns types): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#28492](#) (subselect returns LONG in <5.0.24a and LONGLONG in <=5.0.24a): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28808](#) (log_queries_not_using_indexes variable dynamic change is ignored): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29152](#) (INSERT DELAYED does not use concurrent_insert on slave): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#29644](#) (alter table hangs if records locked in share mode by long running transaction): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#30385](#) (Server crash when deleting with order by and limit): Fixed in [5.0.51](#), [5.0.50](#)

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- [Bug#11151](#) (LOAD DATA INFILE commits transaction in 5.0): Fixed in [5.0.26](#)
- [Bug#19649](#) (Extremely slow join): Fixed in [5.0.25](#)
- [Bug#20256](#) (LOCK WRITE - MyISAM): Fixed in [5.0.26](#)
- [Bug#20596](#) (Views don't replicate with LOAD DATA FROM MASTER): Fixed in [5.0.26](#)
- [Bug#20637](#) ("load data concurrent infile" locks the table): Fixed in [5.0.33](#), [5.0.30sp1](#), [5.0.32](#)
- [Bug#20867](#) (InnoDB Bug - create temporary table+crash =< mysql needs to clean up): Fixed in [5.0.37](#), [5.0.34](#)
- [Bug#21014](#) (Segmentation fault of mysqldump on view): Fixed in [5.0.24](#)
- [Bug#21056](#) (ndb pushdown equal/setValue error on datetime): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#21096](#) (locking issue ; temporary table conflicts.): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#21216](#) (Simultaneous DROP TABLE and SHOW OPEN TABLES causes server to crash): Fixed in [5.0.25](#)
- [Bug#21224](#) (mysql_upgrade uses possibly insecure temporary files): Fixed in [5.0.25](#)
- [Bug#21302](#) (Result not properly sorted when using an ORDER BY on a second table in a join): Fixed in [5.0.25](#)
- [Bug#21310](#) (Trees in SQL causing a "crashed" table with MyISAM storage engine): Fixed in [5.0.36](#), [5.0.37](#)

- [Bug#21354](#) ((COUNT(*) = 1) not working in SELECT inside prepared statement): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#21540](#) (Subqueries with no from and aggregate functions return wrong results): Fixed in [5.0.26](#)
- [Bug#21567](#) (mysqld doesn't react to Ctrl-C when run under GDB even with the --gdb option): Fixed in [5.0.60](#)
- [Bug#21646](#) (ALGORITHM=MERGE CREATE VIEW FAILS FOR INNER JOINS WITH SUBQUERIES USING AGG FUNC): Fixed in [5.0.26](#)
- [Bug#21670](#) (memory leak in ndb_mgm -e show): Fixed in [5.0.25](#)
- [Bug#21671](#) (memory leak for mgmapi event listeners): Fixed in [5.0.25](#)
- [Bug#21726](#) (Incorrect result with multiple invocations of LAST_INSERT_ID): Fixed in [5.0.26](#)
- [Bug#21790](#) (geometry field with spatial index returns ERROR 1105 (HY000): Unknown error): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#21809](#) (Error 1356 while selecting from view with grouping though underlying select OK.): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#21825](#) (Incorrect message error deleting records in a table with a trigger for inserting): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#22053](#) (REPAIR table can crash server for some really damaged MyISAM tables): Fixed in [5.0.37](#), [5.0.34](#)
- [Bug#22082](#) (Slave hangs(holds mutex) on "disk full"): Fixed in [5.0.79](#)
- [Bug#22229](#) (Bug in DATE_ADD()): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#22268](#) (MySQL/InnoDB crashes in high concurrency test): Fixed in [5.0.26](#)
- [Bug#22427](#) (create table if not exists + stored function results in inconsistent behavior): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#22723](#) (Host field blank when server started with skip-grant): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#23578](#) (Corruption prevents Optimize table from working properly with a spatial index): Fixed in [5.0.37](#), [5.0.34](#)

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- [Bug#21468](#) (InnoDB crash during recovery with corrupted data pages: XA bug?): Fixed in [5.0.33](#), [5.0.30sp1](#), [5.0.32](#)
- [Bug#21635](#) (MYSQL_FIELD struct's member strings seem to misbehave for expression cols): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#22326](#) (Build problems on hurd-i386: conflicting declaration of socklen_t): Fixed in [5.0.26](#)
- [Bug#22331](#) (EXPLAIN EXTENDED does not always return full query information): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#22344](#) (InnoDB keys act strange on datetime vs timestamp comparison): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#22457](#) (Column alias in ORDER BY works, but not if in an expression): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#22555](#) (STDDEV yields positive result for groups with only one row): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#22580](#) (DROP TABLE in nested stored procedure causes strange dependency error): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#22584](#) (last_insert_id not updated after inserting a record through a updatable view): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#22753](#) (No equality propagation into BETWEEN predicates): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#22763](#) (Discrepancy between SHOW CREATE VIEW and I_S.VIEWS): Fixed in [5.0.72](#)
- [Bug#23170](#) (if Insert ignore ...select fails on violation unique key, @@identity is << 0): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#23184](#) (SELECT causes server crash): Fixed in [5.0.33](#), [5.0.30sp1](#), [5.0.32](#)
- [Bug#23203](#) (ndb_mgmd seg faults on all dump 1000): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#23233](#) (NO_AUTO_VALUE_ON_ZERO and INSERT...ON DUPLICATE cause insertion failure): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#23256](#) (doesn't build on alpha): Fixed in [5.0.33](#), [5.0.30](#)

- [Bug#23260](#) (String converted to floating-point when comparing to DECIMAL type): Fixed in [5.0.33](#), [5.0.30sp1](#), [5.0.32](#)
- [Bug#23293](#) (readline detection broken on NetBSD): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#23299](#) (Some queries against INFORMATION_SCHEMA with subqueries fail): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#23312](#) (server hangs 'closing tables' with insert delayed,flush tables,alter table): Fixed in [5.0.37](#), [5.0.34](#)
- [Bug#23379](#) (wrong time value in SHOW PROCESSLIST): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#23383](#) (mysql_affected_rows() returns different values than mysql_stmt_affected_rows()): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#23427](#) (incompatible ABI change in 5.0.26?): Fixed in [5.0.33](#), [5.0.27](#), [5.0.28](#)
- [Bug#23443](#) (user-defined variables can consume too much memory in the server): Fixed in [5.0.37](#), [5.0.34](#)
- [Bug#23504](#) (Mysql_upgrade abends): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#23526](#) (show table status reports incorrect values for MyISAM tables): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#23527](#) (set global query_cache_size can crash the server under high load): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#23556](#) (TRUNCATE TABLE still maps to DELETE): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#23588](#) (SHOW COLUMNS on a temporary table causes locking issues): Fixed in [5.0.60](#)
- [Bug#23616](#) (Week() changed behaviour between 5.0.22 and 5.0.24): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#23651](#) (Server crash calling trigger): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#23669](#) (mysql.proc not created in default install): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#23800](#) (Correlated sub query returning incorrect results when operated upon): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#24010](#) (INSERT INTO ... SELECT fails on unique constraint with data it doesn't select): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#24035](#) (performance of update query difference between 5.0.22-log AND 5.0.27-log): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#24117](#) (server crash on a FETCH with a cursor on a table which is not in the table cache): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#24345](#) (simple query on a view crashes...): Fixed in [5.0.37](#), [5.0.34](#)
- [Bug#25126](#) (Reference to non-existent column in UPDATE ... ORDER BY ... crashes server): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#25407](#) (MySQL prefers UNIQUE index for IS NULL conditions over more selective conditions): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#25645](#) (Assertion failure in file srv0srv.c; adaptive hash hang in a complex query): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#25729](#) (boolean full text search is confused by NULLs produced by LEFT JOIN): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#25946](#) (Namespace not include for xsi usage within --xml output with null/nil values): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#27216](#) (coalesce returns varbinary for dates): Fixed in [5.0.52](#)
- [Bug#27513](#) (mysql 5.0.x + NULL pointer DoS): Fixed in [5.0.40](#), [5.0.41](#)

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- [Bug#15126](#) (character_set_database is not replicated (LOAD DATA INFILE need it)): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#19829](#) (make test Failed in mysql_client_test *with --with-charset=utf8*): Fixed in [5.0.79](#)
- [Bug#21074](#) (Large query_cache freezes mysql server sporadically under heavy load): Fixed in [5.0.51](#), [5.0.50](#)
- [Bug#23068](#) (key_cache_block_size is not set or displays correctly): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#23175](#) (MYISAM crash/repair failed during repair): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#23256](#) (doesn't build on alpha): Fixed in [5.0.33](#), [5.0.30](#)

- [Bug#23293](#) (readline detection broken on NetBSD): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#23299](#) (Some queries against INFORMATION_SCHEMA with subqueries fail): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#23312](#) (server hangs 'closing tables' with insert delayed,flush tables,alter table): Fixed in [5.0.37](#), [5.0.34](#)
- [Bug#23313](#) (AUTO_INCREMENT=# not reported back for InnoDB tables): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#23411](#) (The "%" (MOD) operator is not documented; MOD-ing zero returns strange result): Fixed in [5.0.33](#), [5.0.30](#)
- [Bug#23417](#) ((ONLY_FULL_GROUP_BY) function of aggregate is still an aggregate [S3/S2]): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#23451](#) (GROUP_CONCAT truncates a multibyte utf8 character): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#23973](#) (--without-server builds server): Fixed in [5.0.34](#)
- [Bug#24035](#) (performance of update query difference between 5.0.22-log AND 5.0.27-log): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#24040](#) (Create View don't succeed with "all privileges" on a database): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#24052](#) (On Win64, MEMORY tables are limited to 4 GB): Fixed in [5.0.33](#), [5.0.30sp1](#), [5.0.32](#)
- [Bug#24121](#) (Incorrect test for SSL_VERIFY_SERVER_CERT): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#24148](#) (regression tests hang with SSL enabled): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#24191](#) (ndb_size.tpl missing in distributions): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#24215](#) (setup on win fails): Fixed in [5.0.60](#)
- [Bug#24261](#) (crash when WHERE contains NOT IN ('<negative value<') for unsigned column type): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#24294](#) (mysql.server: source: not found): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#24299](#) (Identifiers in foreign keys cannot contain U+0160, U+0360, ..., U+FF60): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#24342](#) (Incorrect results with query over MERGE table): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#24432](#) (INSERT... ON DUPLICATE KEY UPDATE skips auto_increment values): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#24491](#) (using alias from source table in insert..on duplicate key): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#24562](#) (ALTER TABLE ... ORDER BY ... with complex expression asserts): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#24563](#) (MBROverlaps does not seem to function properly.): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#24611](#) (mysqld crashes when connecting from remote host, and compiled from source): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#24630](#) (Subselect query crashes mysqld): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#24778](#) (InnoDB: No result when using ORDER BY): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#24780](#) (Make /etc/mysql directory configurable): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#24854](#) (Mixing Searched Case with Simple Case inside Stored Procedure crashes Mysqld): Fixed in [5.0.37](#), [5.0.34](#)
- [Bug#24912](#) (problems with bigint in abs() ceiling() round() truncate() mod()): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#24918](#) (drop table and lock / inconsistent between perm and temp tables): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#24985](#) (UTF8 ENUM primary key on MEMORY using BTREE causes incorrect duplicate entries): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#24989](#) ('Explicit or implicit commit' error/server crash with concurrent transactions): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#25008](#) (Mac OS X's StartupItem does not work): Fixed in [5.0.51b](#), [5.0.60](#)
- [Bug#25048](#) (ERROR 126 : Incorrect key file for table 'XXXX.MYI'; try to repair it): Fixed in [5.0.37](#), [5.0.34](#)
- [Bug#25106](#) (A USING clause in combination with a VIEW results in column aliases ignored): Fixed in [5.0.37](#), [5.0.34](#)
- [Bug#25189](#) (mysqld: coding.cpp:243: void TaoCrypt::Base64Decoder::Decode(): Assertion `endLi): Fixed in [5.0.36](#), [5.0.37](#)

- [Bug#25345](#) (Cursors from Functions): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#25376](#) (wrong order with order by using sum and division): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#25427](#) (Use of ambiguous column in an expression in ORDER BY clause crashes server): Fixed in [5.0.37](#), [5.0.34](#)
- [Bug#25551](#) (inconsistent behaviour in grouping NULL, depending on index type): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#25575](#) (ERROR 1052 (Column in from clause is ambiguous) with sub-join): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#25580](#) (The Parsing differs from a direct select to a create view): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#25679](#) (Denial-of-Service against entire server if FEDERATED engine is compiled): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#25761](#) (Table is partially created when disk is full, causing database corruption): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#25830](#) (SHOW TABLE STATUS behaves differently depending on table name): Fixed in [5.0.79](#)
- [Bug#25853](#) (key_cache_block_size=4MB causes table corruptions + duplicate key errors): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#25971](#) (Optimizer ignores key on left join in version 5.0.27, 4.1.10 but not in 4.0.27): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#25993](#) (mysqldump crashes with merge table and -c option): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#26124](#) (BETWEEN in views returns incorrect results): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#26199](#) (Replication of stored procedures with BIT parameters fails): Fixed in [5.0.54](#)
- [Bug#26209](#) (wrong result using COUNT(DISTINCT ?) querying a VIEW with GROUP BY and ORDER BY): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#26294](#) (library name conflict between MySQL 4.x, 5.0 and Qt 3.3): Fixed in [5.0.62](#)
- [Bug#26461](#) (Intrinsic data type bool (1 byte) redefined to BOOL (4 bytes)): Fixed in [5.0.60](#)
- [Bug#26489](#) (Corruption in relay logs): Fixed in [5.0.56](#)
- [Bug#26560](#) (VIEW with scalar correlated subquery returns wrong results): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#26672](#) (Incorrect SEC_TO_TIME() casting in ORDER BY): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#26738](#) (Quoted strings not concatenating when in subquery): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#26767](#) (Solaris 10 tar package does not include shared libraries): Fixed in [5.0.41](#)
- [Bug#26842](#) (master binary log contains invalid queries - replication fails): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#26996](#) (Update of a Field in a Memory Table ends with wrong result): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#27101](#) (mysqlhotcopy --record_log_pos retrieves wrong slave parameters): Fixed in [5.0.60](#)
- [Bug#27427](#) (resolveip fails on hostnames with a leading digit): Fixed in [5.0.56](#)
- [Bug#27984](#) (Long Decimal Maths produces truncated results): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28121](#) (INSERT or UPDATE into DOUBLE(200,0) field being truncated to 31 digits): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28248](#) (mysqldump results with MERGE ... UNION=() cannot be executed): Fixed in [5.0.60](#)
- [Bug#28677](#) (SELECT on missing column gives extra error): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29095](#) (Insert into a select from a join b using(c) order by b.auto_id desc limit 1 fail): Fixed in [5.0.51](#), [5.0.46](#)

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- [Bug#10746](#) (InnoDB: Error: stored_select_lock_type is 0 inside ::start_stmt(!)): Fixed in [5.0.30](#)
- [Bug#23504](#) (Mysql_upgrade abends): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#24040](#) (Create View don't succeed with "all privileges" on a database): Fixed in [5.0.42](#), [5.0.45](#)

- [Bug#24117](#) (server crash on a FETCH with a cursor on a table which is not in the table cache): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#24156](#) (Loose index scan not used with CREATE TABLE ...SELECT and similar statements): Fixed in [5.0.33](#), [5.0.30sp1](#), [5.0.32](#)
- [Bug#24158](#) (SET PASSWORD in binary log fails under ANSI_QUOTES): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#24478](#) (DROP TRIGGER is not caught by replicate-*-table filters): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#24484](#) (Aggregate function used in column list subquery gives erroneous error): Fixed in [5.0.40](#), [5.0.41](#)

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- [Bug#10218](#) (Command line recall rolls into Segmentation Fault(coredump)): Fixed in [5.0.44](#)
- [Bug#14649](#) (MySQLInstanceConfig.exe fails when writing configuration file): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#17047](#) (CHAR() and IN() can return NULL without signaling NULL result): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#21033](#) (Error 0 in readAutoIncrementValue()): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#24040](#) (Create View don't succeed with "all privileges" on a database): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#24156](#) (Loose index scan not used with CREATE TABLE ...SELECT and similar statements): Fixed in [5.0.33](#), [5.0.30sp1](#), [5.0.32](#)
- [Bug#24289](#) (Status Variable "Questions" gets wrong values with Stored Routines): Fixed in [5.0.72](#)
- [Bug#24345](#) (simple query on a view crashes...): Fixed in [5.0.37](#), [5.0.34](#)
- [Bug#24401](#) (MySQL server crashes if you try to retrieve data from corrupted table): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#24896](#) (mysql_upgrade core dumps on RHEL3 using 5.0.30 commercial binaries): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#24988](#) (FLUSH PRIVILEGES causes brief unavailability): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#24992](#) (Enabling Shared Memory support on Windows x64 causes client to fail): Fixed in [5.0.60](#)
- [Bug#25058](#) (ignored return codes in memory allocation functions): Fixed in [5.0.82](#)
- [Bug#25082](#) (default database change on trigger execution breaks replication): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#25122](#) (insertability of views not consistent): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#25123](#) (insert into view on dup key, allows cross table reference): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#25172](#) (Server crash with GROUP and LIMIT): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#25275](#) (SINGLE USER MODE prevents ALTER on non-ndb tables for other mysqld nodes): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#25341](#) (/etc/init.d/mysql stop may timeout too quickly): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#25373](#) (rollup grand total not have NULL for group by field based on stored function): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#25482](#) (GRANT statements are not replicated if you use "replicate-ignore-table"): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#25522](#) (Update with IN syntax Cluster table + Trigger leads to mysqld segfault): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#25543](#) (Replication of wrong values if using rand() in stored procedure): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#25657](#) (mysql-test-run.pl kill itself under ActiveState perl): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#26242](#) (UPDATE with subquery and triggers failing with cluster tables): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#26711](#) (Binary content 0x00 sometimes becomes 0x5C 0x00 after dump/load): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#28138](#) (indexing column prefixes produces corruption in InnoDB): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#28149](#) (overflow in some "SHOW STATUS"-variables): Fixed in [5.0.45](#), [5.0.44](#)

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- [Bug#19829](#) (make test Failed in mysql_client_test *with --with-charset=utf8*): Fixed in [5.0.79](#)
- [Bug#21476](#) (stack overflow crashes server; error-message stack reservation too small): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#21765](#) (Illegal Instruction crash on pre-pentium when using YASSL): Fixed in [5.0.33](#), [5.0.42](#), [5.0.45](#), [5.0.32](#)
- [Bug#23345](#) (Incorrect check when SELECT INTO + UNION, moreover invalid data): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#23491](#) (MySQLDump prefix function call in a view by database name): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#24358](#) (Table access crashes server): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#24508](#) (Inconsistent results of CREATE TABLE ... SELECT when temporary table exists): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#24778](#) (InnoDB: No result when using ORDER BY): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#24854](#) (Mixing Searched Case with Simple Case inside Stored Procedure crashes Mysqld): Fixed in [5.0.37](#), [5.0.34](#)
- [Bug#24907](#) (unpredictable (display) precision, if input precision increases): Fixed in [5.0.54](#)
- [Bug#24912](#) (problems with bigint in abs() ceiling() round() truncate() mod()): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#24947](#) (REPEAT function returns NULL when passed a field as the count parameter): Fixed in [5.0.33](#), [5.0.32](#)
- [Bug#24989](#) ('Explicit or implicit commit' error/server crash with concurrent transactions): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#25027](#) (Assertion abort on PS for a query with single-row subquery and IS NULL predicate): Fixed in [5.0.37](#), [5.0.34](#)
- [Bug#25044](#) (ALTER TABLE ... ENABLE KEYS acquires global 'opening tables' lock.): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#25167](#) (Dupl. usage of user-variables in trigger/function is not replicated correctly): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#25382](#) (Passing NULL to an UDF called from stored procedures crashes server): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#25452](#) (mysql_upgrade access denied.): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#25482](#) (GRANT statements are not replicated if you use "replicate-ignore-table"): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#25596](#) (InnoDB Alter Table Failures): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#25602](#) (Error with /*!HIGH_PRIORITY SQL_CACHE SQL_BIG_RESULT*/ combined with DISTINCT): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#25643](#) (SEC_TO_TIME function problem): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#25807](#) (LOAD DATA INFILE does not work with Pipes): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#25815](#) (Data truncated for column TEXT): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#25897](#) (Some queries are no longer possible after a CREATE VIEW fails): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#26038](#) (X() value of empty NOT NULL POINT is neither NULL nor NOT NULL): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#26138](#) (REPAIR TABLE with option USE_FRM erases all records in ARCHIVE table): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#27573](#) (MIN() on an indexed column which is always NULL sets _other_ results to NULL): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28652](#) (MySQL (with-debug=full) asserts when alter table operations): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#29474](#) (21587 Regression Ever increasing open tables/fd when using HANDLER READ + DELETE): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#29850](#) (session character encoding vs. group_concat): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#31077](#) (mysqldump appending date to dump breaks dump semantics): Fixed in [5.0.52](#)
- [Bug#32436](#) (KILL QUERY completely deadlocks mysqld): Fixed in [5.0.54](#)
- [Bug#41571](#) (MySQL segfaults after innodb recovery): Fixed in [5.0.79](#)

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- [Bug#22364](#) (Inconsistent "matched rows" when executing UPDATE): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#25602](#) (Error with /*!HIGH_PRIORITY SQL_CACHE SQL_BIG_RESULT*/ combined with DISTINCT): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#25798](#) (Incorrect results with the index merge union access algorithm and InnoDB tables): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#25927](#) (Foreign key with ON DELETE SET NULL on NOT NULL can crash server): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#25931](#) (VIEW ignores CHECK OPTION when updated against a JOIN clause): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#25951](#) (ignore/use index does not work with fulltext): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#26017](#) (LEFT JOIN does not select's case insensitive): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#26186](#) (delete order by, sometimes accept unknown column): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#26359](#) (Strings becoming truncated and converted to numbers under STRICT mode): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#26639](#) (mysql_upgrade exits successfully even if external command failed): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#26817](#) (mysqldump fails to backup database containing view with invalid definer): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#27507](#) (Out of range value accepted for new NOT NULL datetime column in existing table): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28652](#) (MySQL (with-debug=full) asserts when alter table operations): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#30444](#) (5.0 mysqldump silently allows wrong backup to be taken against a 4.0 database): Fixed in [5.0.52](#)

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- [Bug#22043](#) (MySQL don't add "USE <DATABASE>" before "DROP PROCEDURE IF EXISTS"): Fixed in [5.0.33](#), [5.0.36](#), [5.0.37](#)
- [Bug#24010](#) (INSERT INTO ... SELECT fails on unique constraint with data it doesn't select): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#24035](#) (performance of update query difference between 5.0.22-log AND 5.0.27-log): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#25106](#) (A USING clause in combination with a VIEW results in column aliases ignored): Fixed in [5.0.37](#), [5.0.34](#)
- [Bug#25122](#) (insertability of views not consistent): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#25167](#) (Dupl. usage of user-variables in trigger/function is not replicated correctly): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#25262](#) (Auto Increment lost when changing Engine type): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#25289](#) (repair table causes "my_seek.c:56: my_seek: Assertion `fd != -1' failed"): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#25341](#) (/etc/init.d/mysql stop may timeout too quickly): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#25376](#) (wrong order with order by using sum and division): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#25405](#) (mysql_upgrade fails due to case-sensitivity on dependant file- or path-names): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#25407](#) (MySQL prefers UNIQUE index for IS NULL conditions over more selective conditions): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#25427](#) (Use of ambiguous column in an expression in ORDER BY clause crashes server): Fixed in [5.0.37](#), [5.0.34](#)
- [Bug#25487](#) (deleting ndb_cluster_connection object takes long time): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#25507](#) (multi-row insert delayed + auto increment causes duplicate key entries on slave): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#25521](#) (optimize table, delete, show table status leads to table losing it's .MYD): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#25543](#) (Replication of wrong values if using rand() in stored procedure): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#25551](#) (inconsistent behaviour in grouping NULL, depending on index type): Fixed in [5.0.36](#), [5.0.37](#)

- [Bug#25575](#) (ERROR 1052 (Column in from clause is ambiguous) with sub-join): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#25578](#) (CREATE TABLE LIKE does not require any privileges on source table.): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#25580](#) (The Parsing differs from a direct select to a create view): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#25621](#) (Error in my_thread_global_end(): 1 threads didn't exit): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#25668](#) (mysqld may core if cluster disconnected): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#25673](#) (spatial index corruption, error 126 incorrect key file for table): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#26093](#) (SELECT BENCHMARK() for SELECT statements does not produce valid results): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#26162](#) (Trigger DML ignores low_priority_updates setting): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#26186](#) (delete order by, sometimes accept unknown column): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#27513](#) (mysql 5.0.x + NULL pointer DoS): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#28808](#) (log_queries_not_using_indexes variable dynamic change is ignored): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#33618](#) (Crash in sp_rcontext): Fixed in [5.0.56](#)

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- [Bug#17233](#) (LOAD DATA INFILE: failure causes mysqld dbug_assert, binlog not flushed): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#22364](#) (Inconsistent "matched rows" when executing UPDATE): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#23170](#) (if Insert ignore ...select fails on violation unique key, @@identity is << 0): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#24989](#) ('Explicit or implicit commit' error/server crash with concurrent transactions): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#25596](#) (InnoDB Alter Table Failures): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#25621](#) (Error in my_thread_global_end(): 1 threads didn't exit): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#25643](#) (SEC_TO_TIME function problem): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#25673](#) (spatial index corruption, error 126 incorrect key file for table): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#25679](#) (Denial-of-Service against entire server if FEDERATED engine is compiled): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#25712](#) (insert delayed and check table run together report crashed tables): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#25831](#) (Deficiencies in INSERT ... SELECT ... field name resolving.): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#25897](#) (Some queries are no longer possible after a CREATE VIEW fails): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#25966](#) (2MB per second endless memory consumption after LOCK TABLE ... WRITE): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#25971](#) (Optimizer ignores key on left join in version 5.0.27, 4.1.10 but not in 4.0.27): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#26000](#) (SHOW SLAVE STATUS can crash mysqld during shutdown process): Fixed in [5.0.54](#)
- [Bug#26141](#) (mixing table types in trigger causes full table lock on innodb table): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#26159](#) (select statement crashes mysql server): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#26209](#) (wrong result using COUNT(DISTINCT ?) querying a VIEW with GROUP BY and ORDER BY): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#26215](#) (mysql command line client should not strip comments from SQL statements): Fixed in [5.0.52](#)
- [Bug#26238](#) (inserted delayed always inserts 0 for BIT columns): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#26243](#) (mysql command line crash after control-c): Fixed in [5.0.60](#)
- [Bug#26288](#) (savepoint not deleted, commit on empty transaction): Fixed in [5.0.82](#)

- [Bug#26346](#) (stack + buffer overrun in mysqldump): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#26359](#) (Strings becoming truncated and converted to numbers under STRICT mode): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#26464](#) (insert delayed + update + merge = corruption): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#26571](#) (Different format specifiers in errmsg.txt): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#26609](#) (funcs1/2 files missing from install package): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#26664](#) (test suite times out on OS X 64bit): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#26813](#) (Super privilege required when altering a view): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#26881](#) (Large MERGE tables report incorrect specification when no differences in tables): Fixed in [5.0.36sp1](#), [5.0.41](#), [5.0.38](#)
- [Bug#26963](#) (Incorrect query results with CONST join compared to RANGE or ALL): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#27006](#) (AFTER UPDATE triggers not fired with INSERT ... ON DUPLICATE KEY UPDATE): Fixed in [5.0.41](#)
- [Bug#27173](#) ("Enabling keys got errno ..." does not say which table): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#27210](#) (INNODB ON DUPLICATE KEY UPDATE): Fixed in [5.0.38](#)
- [Bug#27310](#) (mysqld shutdown hangs): Fixed in [5.0.40](#)
- [Bug#27381](#) (InnoDB exits when attempting to rename table to non-existent database): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#27427](#) (resolveip fails on hostnames with a leading digit): Fixed in [5.0.56](#)
- [Bug#27573](#) (MIN() on an indexed column which is always NULL sets _other_ results to NULL): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#27653](#) (Temp table can't be created if lower_case_table_names=1 and tmpdir has uppercase): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#28574](#) (repair table causes queries to fail with various corruption errors: 126,134,145): Fixed in [5.0.51](#), [5.0.46](#)

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- [Bug#21611](#) (Slave can't connect when master-ssl-cipher specified): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#25602](#) (Error with /*!HIGH_PRIORITY SQL_CACHE SQL_BIG_RESULT*/ combined with DISTINCT): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#26489](#) (Corruption in relay logs): Fixed in [5.0.56](#)
- [Bug#26793](#) (mysqld crashes when doing specific query on information_schema): Fixed in [5.0.51](#), [5.0.50](#)
- [Bug#26815](#) (Unexpected built-in function behavior: group_concat(distinct substring_index())): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#26938](#) (SHOW PROFILE: hangs if @@profiling not set to 1): Fixed in [5.0.45](#)
- [Bug#27033](#) (LAST_INSERT_ID returns 0 on using INSERT... ON DUPLICATE KEY UPDATE ...): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#27060](#) (SQL Profile utility may not be reporting right duration for each step): Fixed in [5.0.45](#)
- [Bug#27069](#) (set with identical elements are created): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#27130](#) (SUBSTR wrong result): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#27154](#) (Server crash on statement using 3-dimensional row constructor): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#27164](#) (Crash when mixing InnoDB and MyISAM Geospatial tables): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#27210](#) (INNODB ON DUPLICATE KEY UPDATE): Fixed in [5.0.38](#)
- [Bug#27293](#) (mysqldump crashes when dumping procedure defined by different user): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#27300](#) (create view with geometry functions lost columns types): Fixed in [5.0.40](#), [5.0.41](#)

- [Bug#27310](#) (mysqld shutdown hangs): Fixed in [5.0.40](#)
- [Bug#27322](#) (failure to allocate transaction_prealloc_size causes crash): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#27433](#) (Parser error for MySQL 5.0.37 with Bison 1.75 for sql_yacc.yy): Fixed in [5.0.51](#)
- [Bug#27437](#) (NDB Data node crashes during mysqldump inserts): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#27440](#) (read_only allows create and drop database): Fixed in [5.0.56](#)
- [Bug#27499](#) (DROP TABLE race with SHOW TABLE STATUS): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#27501](#) (5.0 significantly more sys ("kernel") time than 4.1 due to getrusage() calls): Fixed in [5.0.41](#)
- [Bug#27530](#) (Incorrect calculation CRC32 value in GROUP BY requests): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#27532](#) (Incorrect results when grouping with similar IN and NOT IN conditions): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#27562](#) (ascii.xml invalid?): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#27573](#) (MIN() on an indexed column which is always NULL sets _other_ results to NULL): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#27580](#) (SPACE() function collation bug?): Fixed in [5.0.60](#)
- [Bug#27659](#) (SELECT DISTINCT returns incorrect result set when field is repeated): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#27692](#) (anonymous accounts not created): Fixed in [5.0.51](#), [5.0.52](#)
- [Bug#27786](#) (Inconsistent Operation Performing UNION On View With ORDER BY): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#27807](#) (Server crash when executing subquery with EXPLAIN): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#27874](#) (sql-mode: only full group by mode not working): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#27921](#) (View ignores precision for CAST()): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#27932](#) (Comparing return value of LOCATE() to NULL fails): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#27990](#) (MYSQL_FIELD struct's member strings Bug 21635 not fixed for all cases): Fixed in [5.0.52](#)
- [Bug#28000](#) (MySQL hangs when using INSERT IGNORE ... ON DUPLICATE KEY): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#28261](#) (Datetime comparison with user var yields incorrect results): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28266](#) (IS_UPDATABLE field on VIEWS table in I_S database is wrong): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28293](#) (mysqlbinlog: corrupt SQL in hex dump mode [PATCH INCLUDED]): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#28375](#) (mysql crash with subselect and null values): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#28522](#) (Buffer overrun in mysqldump when using --hex-blob): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28571](#) (LEFT JOIN with a const false condition produces no rows instead of 1 NULL row): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28921](#) (Queries containing UDF functions are cached): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29053](#) (SQL_CACHE in UNION causes non-deterministic functions to be cached): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29247](#) (Double free in libmysqlclient_r when mysqld restarted): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29306](#) (Truncated data in MS Access with decimal (3,1) columns in a VIEW): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#36819](#) (ut_usecime does not handle errors from gettimeofday): Fixed in [5.0.76](#)
- [Bug#38694](#) (Race condition in replication thread shutdown): Fixed in [5.0.82](#)
- [Bug#40953](#) (SELECT query throws "ERROR 1062 (23000): Duplicate entry..." error): Fixed in [5.0.76](#)

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- [Bug#25511](#) (Federated: INSERT failures): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#26342](#) (auto_increment_increment AND auto_increment_offset REALLY REALLY anger NDB clust): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#26624](#) (high mem usage (crash) in range optimizer (depends on order of fields in where)): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#26625](#) (crash in range optimizer (out of mem) [Bug#26624](#)): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#26642](#) (create index corrupts table definition in .frm): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#26661](#) (SELECT with UNION kills the daemon): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#26794](#) (Adding an index with a prefix on a SPATIAL type breaks ALTER TABLE): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#26815](#) (Unexpected built-in function behavior: group_concat(distinct substring_index())): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#26817](#) (mysqldump fails to backup database containing view with invalid definer): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#26830](#) (subquery, group by .. with rollup crashes server): Fixed in [5.0.41](#), [5.0.38](#)
- [Bug#26842](#) (master binary log contains invalid queries - replication fails): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#26996](#) (Update of a Field in a Memory Table ends with wrong result): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#27018](#) (Partial blob write inside blob clobbers data after the write): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#27022](#) (Install fails with Duplicate entry '%-test-' for key 'PRIMARY'): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#27029](#) (alter table ... enable keys crashes mysqld on large table): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#27119](#) (server crash with integer division by zero during filesort on huge result): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#27130](#) (SUBSTR wrong result): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#27219](#) (count(*) in order by): Fixed in [5.0.60](#)
- [Bug#27229](#) (crash/incorrect result in subquery with aggregate(outer_column) (debug server)): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#27354](#) (stored function in where condition was always treated as const): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#27362](#) (SELECT id FROM tablename WHERE id IN(4564, (SELECT IF(1=0,1,1/0))) crash): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#27417](#) (thd-<no_trans_update.stmt lost value inside of SF-exec-stack): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#27563](#) (killing noticed in SF() stack but the error gets missed in action and wrong rslt): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#27571](#) (asynchronosity in setting mysql_`query`::error and Query_log_event::error_code): Fixed in [5.0.54](#)
- [Bug#27590](#) (Problem comparing DATES with DATETIMES): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#27597](#) (mysqld-debug broken): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#27640](#) (backup id not displayed in the output of "ndb_mgm start backup wait completed"): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#27650](#) (ON DUPLICATE KEY UPDATE fails when setting UNIQUE values with multi row inserts): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#27669](#) (mysqldump: Got error: 2026: SSL connection error when trying to connect): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#27670](#) (LOAD DATA INFILE processing does not respect TIMESTAMP default value): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#27692](#) (anonymous accounts not created): Fixed in [5.0.51](#), [5.0.52](#)
- [Bug#27741](#) (udf test fails on AIX < 5.3): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#27758](#) (NDB tables with index names containing spaces not restored correctly): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#27827](#) (Multi-table VIEW treats CHECK OPTION inconsistently on UPDATE): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#27878](#) (Use of view overrides column update privileges on underlying table): Fixed in [5.0.42](#), [5.0.45](#)

- [Bug#27954](#) (INSERT ... ON DUPLICATE KEY UPDATE fails with large multi-insert): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#28138](#) (indexing column prefixes produces corruption in InnoDB): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#28244](#) (CREATE VIEW breaks replication when view exists): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28323](#) (Server crashed in xid cache operations): Fixed in [5.0.72](#)
- [Bug#29661](#) (EXPLAIN for an ENUM column incorrectly shows 'Impossible WHERE noticed'): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#29734](#) (thread_id=0 in binary log which leads to temporary table conflicts): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#31167](#) (Introduction of @@hostname breaks replication in a ring): Fixed in [5.0.52](#)
- [Bug#31177](#) (Server variables can't be set to their current values): Fixed in [5.0.54](#)
- [Bug#31479](#) (Bad lock interaction if CREATE TABLE LIKE is killed): Fixed in [5.0.54](#)
- [Bug#32848](#) (Data type conversion bug in union subselects in MySQL 5.0.38): Fixed in [5.0.56](#)
- [Bug#36488](#) (regexp returns false matches, concatenating with previous rows): Fixed in [5.0.64](#)

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- [Bug#12676](#) (RHEL4: MySQL RPMs unusable when SELinux is enabled): Fixed in [5.0.36](#), [5.0.37](#)
- [Bug#18322](#) (Explicit link to libmtmalloc breaks dlopen() applications like DBD::mysql): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#21281](#) (Pending write lock is incorrectly removed when its statement being KILLED): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#22855](#) (Optimizer doesn't rewrite NOT IN subselects to a correlated subquery): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#25853](#) (key_cache_block_size=4MB causes table corruptions + duplicate key errors): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#26294](#) (library name conflict between MySQL 4.x, 5.0 and Qt 3.3): Fixed in [5.0.62](#)
- [Bug#27101](#) (mysqlhotcopy --record_log_pos retrieves wrong slave parameters): Fixed in [5.0.60](#)
- [Bug#27333](#) (subquery grouped for aggregate of outer query / no aggregate of subquery): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#27337](#) (Privileges are not properly restored): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#27348](#) (aggregate in subquery executed, even if position in qualifying query is invalid): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#27352](#) (outer aggregate in nested subquery, looking at some code): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#27363](#) (nested aggregates in outer, subquery / sum(select count(outer))): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#27484](#) (server crash with nested rows()): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#27490](#) (Function to log to NT event log could allocate memory): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#27507](#) (Out of range value accepted for new NOT NULL datetime column in existing table): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#27513](#) (mysql 5.0.x + NULL pointer DoS): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#27516](#) (divide by zero crash during optimize table): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#27545](#) (NAME_CONST() fails to return): Fixed in [5.0.54](#)
- [Bug#27562](#) (ascii.xml invalid?): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#27592](#) (stack overrun when storing datetime value using prepared statements): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#27629](#) (Possible security flaw in INFORMATION_SCHEMA and SHOW statements): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#27653](#) (Temp table can't be created if lower_case_table_names=1 and tmpdir has uppercase): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#27694](#) (mysqlhotcopy & p5-DBD-mysql151-4.003): Fixed in [5.0.51](#), [5.0.50](#)

- [Bug#27704](#) (row comparison returns wrong results): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#27716](#) (Partial modification by multi-table update not binlogged): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#27775](#) (mediumint auto_increment with ndb_restore): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#27786](#) (Inconsistent Operation Performing UNION On View With ORDER BY): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#27792](#) (query cache returns wrong result, with certain system variables): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#27811](#) (The variable 'join_tab' is being used without being defined): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#27848](#) (rollup in union part causes error with order of union): Fixed in [5.0.56](#)
- [Bug#27870](#) (join and subselect crash server): Fixed in [5.0.40](#), [5.0.41](#)
- [Bug#27874](#) (sql-mode: only full group by mode not working): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#27957](#) (cast as decimal does not check overflow, also inconsistent with group, subselect): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#28189](#) (optimizer issue on InnoDB tables): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#28337](#) (NOT EXISTS with GROUP BY behaves different in 5.0.40 (regression)): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28587](#) (SELECT is blocked by INSERT waiting on read lock, even with low_priority_updates): Fixed in [5.0.51](#), [5.0.50](#)
- [Bug#28804](#) (Unknown error returned on a query using joins.): Fixed in [5.0.51](#), [5.0.50](#)
- [Bug#28808](#) (log_queries_not_using_indexes variable dynamic change is ignored): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#28898](#) (mysql_fetch_field gives empty table name by a view): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29154](#) (LOCK TABLES is not atomic when <1 InnoDB tables are locked): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#30453](#) (String not cast to int correctly): Fixed in [5.0.54](#)
- [Bug#41868](#) (crash or memory overrun with concat + upper, date_format functions): Fixed in [5.0.79](#)

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- [Bug#19829](#) (make test Failed in mysql_client_test *with --with-charset=utf8*): Fixed in [5.0.79](#)
- [Bug#21158](#) (mysql_config doesn't include -lmygcc): Fixed in [5.0.58](#)
- [Bug#25008](#) (Mac OS X's StartupItem does not work): Fixed in [5.0.51b](#), [5.0.60](#)
- [Bug#27861](#) (Can't compile a client application: unresolved external symbols): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#28358](#) (libmysql.dll cannot be dynamically loaded on Windows): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28359](#) (Intermittent lost connection at 'reading authorization packet' errors): Fixed in [5.0.52](#)
- [Bug#28401](#) (mysql_upgrade Failed with STRICT_ALL_TABLES, ANSI_QUOTES and NO_ZERO_DATE): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28494](#) (Assigning to variable in SELECT spoils result of GROUP BY): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28544](#) (Incorrect shared library install name): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#28555](#) (Upgrading MySQL Fails to shut down old server and kills socket file): Fixed in [5.0.58](#)
- [Bug#28585](#) (mysql_install_db fails): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#28603](#) (Invalid log-bin default location): Fixed in [5.0.54](#)
- [Bug#28604](#) (innodb_force_recovery restricts data dump): Fixed in [5.0.48](#)
- [Bug#28605](#) (SHOW CREATE VIEW with views using stored_procedures no longer showing SP names.): Fixed in [5.0.45](#), [5.0.44](#)

- [Bug#28701](#) (SELECTs from VIEWS completely ignore USE/FORCE KEY, allowing invalid statements): Fixed in [5.0.52](#)
- [Bug#28702](#) (VIEWS defined with USE/FORCE KEY ignore that request): Fixed in [5.0.52](#)
- [Bug#28763](#) (UNION involving GEOMETRY fields crashes server): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28854](#) (MySQL.prefPane does not start or stop mysql on osx 10.5): Fixed in [5.0.51b](#), [5.0.58](#)
- [Bug#28860](#) (USE_TLS not defined for mysqlclient.lib): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28897](#) (UUID() returns non-unique values when query cache is enabled): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28904](#) (ON UPDATE CURRENT_TIMESTAMP does not work properly with ON DUPLICATE KEY): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#29070](#) (Error in spatial index): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#29095](#) (Insert into a select from a join b using(c) order by b.auto_id desc limit 1 fail): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29247](#) (Double free in libmysqlclient_r when mysqld restarted): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29248](#) (MyISAMchk & MyISAMpack failing with * wildcard on Windows platform): Fixed in [5.0.82](#)
- [Bug#29392](#) (MySQL 5.0.41 returning incorrect columns in query): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29408](#) (Cannot find view in columns table if the selection contains a function): Fixed in [5.0.51](#), [5.0.50](#)
- [Bug#29560](#) (InnoDB <= 5.0.30 hangs on adaptive hash rw-lock 'waiting for an X-lock'): Fixed in [5.0.50sp1](#), [5.0.54](#)
- [Bug#29617](#) (Community "Linux (x86, glibc-2.2, "standard" is static)" binaries are dynamic): Fixed in [5.0.45](#)
- [Bug#29801](#) (Federated engine crashes local server if remote server sends malicious response): Fixed in [5.0.50sp1](#), [5.0.52](#), [5.0.51a](#)
- [Bug#29816](#) (Syntactically wrong query fails with misleading error message): Fixed in [5.0.52](#)
- [Bug#29972](#) (The mysqlhotcopy script fails to copy tables or databases): Fixed in [5.0.52](#)
- [Bug#30234](#) (Unexpected behavior using DELETE with AS and USING): Fixed in [5.0.51](#), [5.0.54](#), [5.0.50](#)
- [Bug#32400](#) (Complex SELECT query returns correct result only on some occasions): Fixed in [5.0.54](#)

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- [Bug#15787](#) (MySQL crashes when archive table exceeds 2GB): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#20815](#) (Re: Errno 12 on Windows after 197 connections): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#28138](#) (indexing column prefixes produces corruption in InnoDB): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#28149](#) (overflow in some "SHOW STATUS"-variables): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28181](#) (Access denied to 'information_schema when select into out file (regression)): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#28188](#) ('not exists' optimization for outer joins does not work anymore): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#28208](#) (Comparison of curdate() or now() with string sometimes fails): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28248](#) (mysqldump results with MERGE ... UNION=() cannot be executed): Fixed in [5.0.60](#)
- [Bug#28249](#) (Query Cache returns wrong result with concurrent insert / certain lock): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#28272](#) (server crash during EXPLAIN SELECT ..): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28375](#) (mysql crash with subselect and null values): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#28476](#) (force index on a disabled myisam index gives error 124): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28478](#) (Improper key_cache_block_size corrupts MyISAM tables): Fixed in [5.0.51](#), [5.0.46](#)

- [Bug#28522](#) (Buffer overrun in mysqldump when using --hex-blob): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28553](#) (mysqld crash in "purge master log before(select time from information_schema)"): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28625](#) (decimal column used instead of bigint, for max-negative-bigint): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#28728](#) (server crash with EXPLAIN EXTENDED .. and subqueries): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28774](#) (mysql_upgrade creates tempfiles in root-dir (C:\) and doesn't clean them up): Fixed in [5.0.52](#)
- [Bug#28778](#) (Wrong results from datetime column comparing short, numeric date with BETWEEN): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28779](#) (mysql_query() allows execution of statements with unbalanced comments): Fixed in [5.0.51](#), [5.0.50](#)
- [Bug#28781](#) (InnoDB increments auto-increment value incorrectly with ON DUPLICATE KEY UPDATE): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#28811](#) (server crash with subqueries and order by): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28846](#) (Use of undocumented Prepared Statements crashes server): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#28878](#) (InnoDB tables with UTF8 character set and indexes cause wrong result for DML): Fixed in [5.0.44](#)
- [Bug#28893](#) (--relay-log variable is not exposed with SHOW VARIABLES): Fixed in [5.0.52](#)
- [Bug#28929](#) (Comparing date field with NOW() broken): Fixed in [5.0.42](#), [5.0.45](#)
- [Bug#28983](#) ('reset master' in multiple threads and innodb tables asserts debug binary): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29050](#) (Creation of a legal stored procedure fails if a database is not selected prior): Fixed in [5.0.48](#), [5.0.51](#), [5.0.44sp1](#)
- [Bug#29104](#) (crash when selecting from a view): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29205](#) (truncation when using binary in union): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29251](#) (MySQL coerces special 0 enum values to " when ALTERing the column): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29364](#) (SQL queries hang while data node in start phase 5): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29582](#) (huge memory consumption with union, subselect, joins): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#29898](#) (DATE() function returns inconsistent results): Fixed in [5.0.48](#), [5.0.51](#), [5.0.44sp1](#)
- [Bug#30084](#) (Installation script runs mysql_install_db unconditionally): Fixed in [5.0.42](#), [5.0.45](#), [5.0.44](#), [5.0.46](#)
- [Bug#30088](#) (Can't disable myisam-recover by a value of "").): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#39002](#) (crash with insert .. select * from ... on duplicate key update col=default): Fixed in [5.0.70](#)
- [Bug#41943](#) (mysqlbinlog.exe crashes if --hexdump option is used): Fixed in [5.0.83](#)
- [Bug#42419](#) (Server crash with "Pure virtual method called" on two concurrent connections): Fixed in [5.0.79](#)

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- [Bug#23097](#) (mysql can't insert korean on mysql prompt.): Fixed in [5.0.60](#)
- [Bug#25347](#) (Patch: mysqlcheck -A -r doesn't repair table marked as crashed): Fixed in [5.0.56](#)
- [Bug#25602](#) (Error with /*!HIGH_PRIORITY SQL_CACHE SQL_BIG_RESULT*/ combined with DISTINCT): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#26793](#) (mysqld crashes when doing specific query on information_schema): Fixed in [5.0.51](#), [5.0.50](#)
- [Bug#27990](#) (MYSQL_FIELD struct's member strings Bug 21635 not fixed for all cases): Fixed in [5.0.52](#)
- [Bug#28293](#) (mysqlbinlog: corrupt SQL in hex dump mode [PATCH INCLUDED]): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#28571](#) (LEFT JOIN with a const false condition produces no rows instead of 1 NULL row): Fixed in [5.0.45](#), [5.0.44](#)

- [Bug#28574](#) (repair table causes queries to fail with various corruption errors: 126,134,145): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#28598](#) (mysqld crash when killing a long-running explain query): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28652](#) (MySQL (with-debug=full) asserts when alter table operations): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28702](#) (VIEWS defined with USE/FORCE KEY ignore that request): Fixed in [5.0.52](#)
- [Bug#28728](#) (server crash with EXPLAIN EXTENDED .. and subqueries): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28808](#) (log_queries_not_using_indexes variable dynamic change is ignored): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#28811](#) (server crash with subqueries and order by): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28812](#) (rpl_ssl fails due to assert in extra/yassl/src/socket_wrapper.cpp:117): Fixed in [5.0.51](#), [5.0.50](#)
- [Bug#28897](#) (UUID() returns non-unique values when query cache is enabled): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28898](#) (mysql_fetch_field gives empty table name by a view): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#28921](#) (Queries containing UDF functions are cached): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#28980](#) (ROUND(x,y) returns different results for same literal and int column values as y): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#28983](#) ('reset master' in multiple threads and innodb tables asserts debug binary): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29095](#) (Insert into a select from a join b using(c) order by b.auto_id desc limit 1 fail): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29104](#) (crash when selecting from a view): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29154](#) (LOCK TABLES is not atomic when <1 InnoDB tables are locked): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29207](#) (archive table reported as corrupt by check table): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29261](#) (repeatable innodb and myisam corruption): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29299](#) (repeatable myisam fulltext index corruption): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29325](#) (create table overwrites .MYD file of other table (datadir)): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#29333](#) (myisam corruption with character set cp932 collate cp932_japanese_ci): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#29361](#) (mysqldump creates stray file when too long path name is passed): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29415](#) (cast as decimal does allow out of range specification): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29417](#) (debug asser on decimal): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29420](#) (crash with show and purge binlogs): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29469](#) (Client dies if a query is issued after hitting Ctrl + C): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#29536](#) (timestamp inconsistent in replication around 1970): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#29604](#) (Views sometimes return incorrect data with LEFT JOINS): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#29674](#) (restore of backup from different endian core dump): Fixed in [5.0.51](#), [5.0.50](#)
- [Bug#29729](#) (datetime compared with date failing to add zero time on group by query): Fixed in [5.0.48](#), [5.0.51](#), [5.0.44sp1](#)
- [Bug#29834](#) (Accessing a view in a stored procedure causes a small memory consumption): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#29851](#) (TRUNCATE causes error 4350 from cluster in INSERT... ON DUPLICATE KEY UPDATE): Fixed in [5.0.58](#)
- [Bug#29856](#) (Very long prepared statement in SP can cause crash with certain options): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#30084](#) (Installation script runs mysql_install_db unconditionally): Fixed in [5.0.42](#), [5.0.45](#), [5.0.44](#), [5.0.46](#)
- [Bug#30088](#) (Can't disable myisam-recover by a value of "").): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#30287](#) (tmpdir not respected on GROUP BY): Fixed in [5.0.48](#), [5.0.51](#)

- [Bug#31060](#) (MySQL CLI parser bug 2): Fixed in [5.0.79](#)
- [Bug#31291](#) (ALTER TABLE CONVERT TO CHARACTER SET does not change some data types): Fixed in [5.0.76](#)
- [Bug#31848](#) (Test failure: Cluster has problems on insert with auto-increment): Fixed in [5.0.52](#)
- [Bug#32125](#) (Database crash due to ha_innodb.cc:3896: ulint convert_search_mode_to_innobase): Fixed in [5.0.50sp1](#), [5.0.54](#)
- [Bug#32436](#) (KILL QUERY completely deadlocks mysqld): Fixed in [5.0.54](#)
- [Bug#37150](#) (Risk for crash in User_var_log_event::exec_event()): Fixed in [5.0.66](#)
- [Bug#41354](#) (Access control is bypassed when all columns of a view are selected by * wildcard): Fixed in [5.0.79](#)

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- [Bug#27415](#) (Text Variables in stored procedures): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#29306](#) (Truncated data in MS Access with decimal (3,1) columns in a VIEW): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#29729](#) (datetime compared with date failing to add zero time on group by query): Fixed in [5.0.48](#), [5.0.51](#), [5.0.44sp1](#)
- [Bug#29788](#) (MySQL 5.0.45 restore of dump fails): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#29911](#) (DISTINCT adds a result to what should be an empty result set): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#30069](#) (bigint -9223372036854775808 stopped working on x86_64): Fixed in [5.0.54](#)
- [Bug#30126](#) (ADD_DROP_DATABASE with mysqldump problem): Fixed in [5.0.51](#), [5.0.50](#)
- [Bug#30129](#) (mysql_install_db appears to run normally, but the databases are not created): Fixed in [5.0.68](#)
- [Bug#30269](#) (Query cache eats memory): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#30284](#) (spatial key corruption): Fixed in [5.0.54](#)
- [Bug#30286](#) (spatial index cause corruption and server crash!): Fixed in [5.0.52](#)
- [Bug#30305](#) (Create routine in wrong context in SHOW PRIVILEGES): Fixed in [5.0.79](#)
- [Bug#30377](#) (EXPLAIN loses last_query_cost when used with UNION): Fixed in [5.0.51](#), [5.0.50](#)
- [Bug#30394](#) (Empty HOME environment variable causes several utilities to crash): Fixed in [5.0.70](#)
- [Bug#30666](#) (Incorrect order when using range conditions on 2 tables or more): Fixed in [5.0.52](#)
- [Bug#30715](#) (Assertion failed: item_field-<field-<real_maybe_null(), file .\opt_sum.cc, line): Fixed in [5.0.52](#)
- [Bug#30782](#) (Truncated UNSIGNED BIGINT columns only in SELECT w/ CASE, JOIN, and ORDER BY): Fixed in [5.0.54](#)
- [Bug#30787](#) (Wrong aliasing with subselects): Fixed in [5.0.60](#)
- [Bug#30788](#) (Inconsistent retrieval of char/varchar): Fixed in [5.0.54](#)
- [Bug#30897](#) (GROUP_CONCAT returns extra comma on empty fields): Fixed in [5.0.52](#)
- [Bug#30998](#) (Drop View breaks replication if view does not exist): Fixed in [5.0.56](#)
- [Bug#31019](#) (MOD() Function and Operator Crashes MySQL when Divisor is Very Long and < 1): Fixed in [5.0.52](#)
- [Bug#31137](#) (Assertion failed: primary_key_no == -1 || primary_key_no == 0, file .\ha_innodb.): Fixed in [5.0.54](#)
- [Bug#31158](#) (Spatial, Union, LONGBLOB vs BLOB bug (crops data)): Fixed in [5.0.54](#)
- [Bug#31164](#) (Solaris 10 postinstall script fails to create system tables): Fixed in [5.0.78](#)
- [Bug#31221](#) (Optimizer incorrectly identifies impossible WHERE clause): Fixed in [5.0.51](#), [5.0.50](#)
- [Bug#31347](#) (Increase in memory usage after many DROP USER statements): Fixed in [5.0.52](#)

- [Bug#31434](#) (mysqldump dumps view as table): Fixed in [5.0.70](#)
- [Bug#31562](#) (HAVING and lower case): Fixed in [5.0.52](#)
- [Bug#31605](#) (mysql_upgrade relies on Linux /proc filesystem when not running on Windows): Fixed in [5.0.68](#)
- [Bug#31797](#) (error while parsing subqueries -- WHERE is parsed as HAVING): Fixed in [5.0.56](#)
- [Bug#31800](#) (Date comparison fails with timezone and slashes for greater than comparison): Fixed in [5.0.52](#)
- [Bug#31887](#) (DML Select statement not returning same results when executed in version 5): Fixed in [5.0.60](#)
- [Bug#32051](#) (UNION within EXISTS returns incorrect result): Fixed in [5.0.54](#)
- [Bug#32180](#) (DATE_ADD treats datetime numeric argument as DATE instead of DATETIME): Fixed in [5.0.54](#)
- [Bug#32268](#) (Indexed queries give bogus MIN and MAX results): Fixed in [5.0.54](#)
- [Bug#32798](#) (DISTINCT in GROUP_CONCAT clause fails when ordering by a column with null values): Fixed in [5.0.56](#)
- [Bug#32815](#) (Problem with ORDER BY if WHERE is used with NOT NULL): Fixed in [5.0.54](#)
- [Bug#32848](#) (Data type conversion bug in union subselects in MySQL 5.0.38): Fixed in [5.0.56](#)
- [Bug#32858](#) (Error: "Incorrect usage of UNION and INTO" does not take subselects into account): Fixed in [5.0.56](#)
- [Bug#32898](#) ([Bug#23973](#) (--without-server builds server) patch not applied in 5.0.45): Fixed in [5.0.67](#)
- [Bug#32942](#) (now() - interval '7200' second is NOT pre-calculated, causing "full table scan"): Fixed in [5.0.60](#)
- [Bug#33133](#) (Views are not transparent): Fixed in [5.0.56](#)
- [Bug#33201](#) (Crash occurs when granting update privilege on one column of a view): Fixed in [5.0.60](#)
- [Bug#33851](#) (Passing UNSIGNED param to EXECUTE returns ERROR 1210): Fixed in [5.0.58](#)
- [Bug#34289](#) (Incorrect NAME_CONST substitution in stored procedures breaks replication): Fixed in [5.0.60](#)
- [Bug#36737](#) (having + full text operator crashes mysql): Fixed in [5.0.79](#)
- [Bug#38842](#) (Fix for 25951 seems incorrect): Fixed in [5.0.72sp1](#), [5.0.74](#)

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- [Bug#21476](#) (stack overflow crashes server; error-message stack reservation too small): Fixed in [5.0.45](#), [5.0.44](#)
- [Bug#25714](#) (getGeneratedKeys() does not work with FEDERATED table): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#28587](#) (SELECT is blocked by INSERT waiting on read lock, even with low_priority_updates): Fixed in [5.0.51](#), [5.0.50](#)
- [Bug#29247](#) (Double free in libmysqlclient_r when mysqld restarted): Fixed in [5.0.51](#), [5.0.46](#)
- [Bug#29431](#) (killing an insert delayed thread causes crash): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#29458](#) (check/optimize/repair/analyze table reports 'corrupt' unnessesarily): Fixed in [5.0.80](#)
- [Bug#29461](#) (corruption with character set macce collate macce_bin): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#29499](#) (Converting 'del' from ascii to Unicode results in 'question mark'): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#29582](#) (huge memory consumption with union, subselect, joins): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#29734](#) (thread_id=0 in binary log which leads to temporary table conflicts): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#29838](#) (myisam corruption using concurrent select ... and update): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#29908](#) (alter view keeps current definer, user can gain additioanl access): Fixed in [5.0.50sp1](#), [5.0.52](#), [5.0.51a](#)
- [Bug#29948](#) (autoreconnect + prepared statements + kill seems unstable): Fixed in [5.0.48](#), [5.0.51](#)

- [Bug#30020](#) (Wrong IS_UPDATABLE value in I_S.VIEWS for a non updatable view (regression)): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#30084](#) (Installation script runs mysql_install_db unconditionally): Fixed in [5.0.42](#), [5.0.45](#), [5.0.44](#), [5.0.46](#)
- [Bug#30118](#) (Debug version of static client library on Windows lacks symbols): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#30435](#) (loading large LOAD DATA INFILE breaks slave with read_buffer_size set on master): Fixed in [5.0.56](#)
- [Bug#30638](#) (why doesn't < 4294967295 rows work in myisam on windows?): Fixed in [5.0.52](#)
- [Bug#30942](#) (select str_to_date from derived table returns varying results): Fixed in [5.0.52](#)
- [Bug#31194](#) (Privilege ordering does not order properly for wildcard values): Fixed in [5.0.60](#)
- [Bug#31793](#) (log event corruption causes crash): Fixed in [5.0.54](#)
- [Bug#34286](#) (Assertion failure in thread 2816 in file .\row\row0sel.c line 3500): Fixed in [5.0.68](#)
- [Bug#37527](#) (mysqlcheck fails to report entire database when InnoDB frm file corruption): Fixed in [5.0.74](#)

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- [Bug#29856](#) (Very long prepared statement in SP can cause crash with certain options): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#30193](#) (crash during drop table and kill): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#30201](#) (crash with query cache when killing a select): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#30286](#) (spatial index cause corruption and server crash!): Fixed in [5.0.52](#)
- [Bug#30294](#) (blackhole engine causes 100% with 2 alter table statements running): Fixed in [5.0.54](#)
- [Bug#30396](#) (memory overrun during EXPLAIN EXTENDED): Fixed in [5.0.48](#), [5.0.51](#)
- [Bug#30468](#) (column level privileges not respected when joining tables): Fixed in [5.0.52](#)
- [Bug#30495](#) (optimize table t1,t2,t3 extended errors): Fixed in [5.0.54](#)
- [Bug#30590](#) (delete from memory table with composite btree primary key): Fixed in [5.0.52](#)
- [Bug#30593](#) (No cipher list returned for "SHOW STATUS LIKE 'Ssl_cipher_list'"): Fixed in [5.0.51](#), [5.0.50](#)
- [Bug#30638](#) (why doesn't < 4294967295 rows work in myisam on windows?): Fixed in [5.0.52](#)
- [Bug#30942](#) (select str_to_date from derived table returns varying results): Fixed in [5.0.52](#)
- [Bug#30960](#) (processlist state '*** DEAD ***' on recent 5.0.48 windows builds): Fixed in [5.0.60](#)
- [Bug#31001](#) (ORDER BY DESC in InnoDB not working): Fixed in [5.0.51](#), [5.0.50](#)
- [Bug#31048](#) (many nested subqueries causes out of memory and crash): Fixed in [5.0.54](#)
- [Bug#31081](#) (server crash in regexp function): Fixed in [5.0.54](#)
- [Bug#31095](#) (server crashes with group by null with rollup): Fixed in [5.0.52](#)
- [Bug#31154](#) (field.h:1649: virtual int Field_bit::cmp(const uchar*, const uchar*): Assertion): Fixed in [5.0.52](#)
- [Bug#31155](#) (gis types in union'd select cause crash): Fixed in [5.0.52](#)
- [Bug#31156](#) (mysqld: item_sum.cc:918: virtual bool Item_sum_distinct::setup(THD*): Assertion): Fixed in [5.0.52](#)
- [Bug#31159](#) (fulltext search on ucs2 column crashes server): Fixed in [5.0.52](#)
- [Bug#31253](#) (crash comparing datetime to double): Fixed in [5.0.52](#)
- [Bug#31305](#) (myisam tables crash when they are near capacity): Fixed in [5.0.52](#)
- [Bug#31347](#) (Increase in memory usage after many DROP USER statements): Fixed in [5.0.52](#)

- [Bug#32020](#) (loading udfs while --skip-grant-tables is enabled causes out of memory errors): Fixed in [5.0.52](#)
- [Bug#34286](#) (Assertion failure in thread 2816 in file .\row\row0sel.c line 3500): Fixed in [5.0.68](#)
- [Bug#42278](#) (Missing libndbclient.so from "cluster" packages.): Fixed in [5.0.78](#), [5.0.72sp1](#)

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- [Bug#30768](#) (query cache patch for [Bug#21074](#) crashes on windows): Fixed in [5.0.52](#)
- [Bug#30821](#) (setting --tc_heuristic_recover tries to set myisam_stats_method): Fixed in [5.0.52](#)
- [Bug#30832](#) (Assertion + crash with select name_const('test',now());): Fixed in [5.0.52](#)
- [Bug#30885](#) (MEMORY returns incorrect data if BTREE index is used for NULL lookup): Fixed in [5.0.52](#)
- [Bug#30889](#) (filesort and order by with float/numeric crashes server): Fixed in [5.0.56](#)
- [Bug#30942](#) (select str_to_date from derived table returns varying results): Fixed in [5.0.52](#)
- [Bug#30955](#) (geomfromtext() crasher): Fixed in [5.0.52](#)
- [Bug#31035](#) (select from function, group by result crasher): Fixed in [5.0.51](#), [5.0.50](#)
- [Bug#31069](#) (crash in 'sounds like'): Fixed in [5.0.52](#)
- [Bug#31070](#) (crash during conversion of charsets): Fixed in [5.0.52](#)
- [Bug#31159](#) (fulltext search on ucs2 column crashes server): Fixed in [5.0.52](#)
- [Bug#31222](#) (com_% global status counters behave randomly with mysql_change_user): Fixed in [5.0.78](#)
- [Bug#31227](#) (memory overrun with decimal (6,6) and zerofill and group_concat.): Fixed in [5.0.52](#)
- [Bug#31239](#) (Test "ndb_views" returns NDB error 4259 "Invalid set of range scan bounds"): Fixed in [5.0.58](#)
- [Bug#31435](#) (ha_innodb.cc:3983: ulint convert_search_mode_to_innbase(ha_rkey_function): Asse): Fixed in [5.0.79](#)
- [Bug#31440](#) ('select 1 regex null' asserts debug server): Fixed in [5.0.52](#)
- [Bug#31471](#) (decimal_bin_size: Assertion `scale <= 0 && precision < 0 && scale <= precision'): Fixed in [5.0.52](#)
- [Bug#31588](#) (buffer overrun when setting variables): Fixed in [5.0.52](#)
- [Bug#31615](#) (crash after set names ucs2 collate xxx): Fixed in [5.0.54](#)
- [Bug#31742](#) (delete from ... order by function call that causes an error, asserts server): Fixed in [5.0.52](#)
- [Bug#31758](#) (inet_ntoa, oct, crashes server with null + filesort): Fixed in [5.0.52](#)
- [Bug#31950](#) (repair table hangs while processing multicolumn utf8 fulltext index): Fixed in [5.0.52](#)
- [Bug#31989](#) (InnoDB is contained in "cluster" RPMs): Fixed in [5.0.51](#), [5.0.50](#)
- [Bug#32036](#) (EXISTS within a WHERE clause with a UNION crashes MySQL 5.122): Fixed in [5.0.54](#)
- [Bug#32047](#) ('Spurious' errors while opening MERGE tables): Fixed in [5.0.78](#)
- [Bug#32083](#) (server crashes on show status when InnoDB is not initialized): Fixed in [5.0.58](#)
- [Bug#32103](#) (optimizer crash when join on int and mediumint with variable in where clause.): Fixed in [5.0.52](#)
- [Bug#32197](#) (mysqld.exe is missing from 5.0.50 on windows): Fixed in [5.0.51](#), [5.0.50](#)
- [Bug#32198](#) (Comparison of DATE with DATETIME still not using indexes correctly): Fixed in [5.0.54](#)
- [Bug#32202](#) (ORDER BY not working with GROUP BY): Fixed in [5.0.52](#)
- [Bug#32205](#) (Replaying statements from mysqlbinlog fails with a syntax error, replicates fine): Fixed in [5.0.56](#)

- [Bug#32221](#) (bug25714, mytest, mysql_client_test complaints and crashes): Fixed in [5.0.54](#)
- [Bug#32241](#) (memory corruption due to large index map in 'Range checked for each record'): Fixed in [5.0.54](#)
- [Bug#32265](#) (Server returns different metadata if prepared statement is used): Fixed in [5.0.58](#)
- [Bug#32335](#) (inconsistent int < null +1 behavior): Fixed in [5.0.54](#)
- [Bug#32374](#) (crash with filesort when selecting from federated table and view): Fixed in [5.0.54](#)
- [Bug#32403](#) (query causes a crash due to stack and memory corruptions): Fixed in [5.0.54](#)
- [Bug#32510](#) (LIKE search fails with indexed 'eucjpm's' and 'ujis' char column): Fixed in [5.0.60](#)
- [Bug#32514](#) (mysqld depends on icc libraries): Fixed in [5.0.50sp1](#), [5.0.52](#)
- [Bug#32556](#) (assert in "using index for group-by" : is_last_prefix <= 0, file .\opt_range.cc): Fixed in [5.0.54](#)
- [Bug#32559](#) (connection hangs on query with name_const): Fixed in [5.0.54](#)
- [Bug#32560](#) (crash with interval function and count(*)): Fixed in [5.0.54](#)
- [Bug#32575](#) (Parse error of stmt with extended comments on slave side): Fixed in [5.0.62](#)
- [Bug#32676](#) (insert delayed crash with wrong column and function specified ..): Fixed in [5.0.54](#)
- [Bug#32705](#) (myisam corruption: Key in wrong position at page 1024 with ucs2_bin): Fixed in [5.0.60](#)
- [Bug#32726](#) (crash with cast in order by clause and cp932 charset): Fixed in [5.0.54](#)
- [Bug#33031](#) (app linked to libmysql.lib crash if run as service in vista under localsystem): Fixed in [5.0.70](#)
- [Bug#33050](#) (5.0.50 fails many SSL testcases): Fixed in [5.0.58](#)
- [Bug#33146](#) (CHECKSUM TABLE is not interruptable by KILL QUERY statement): Fixed in [5.0.82](#)
- [Bug#33756](#) (query cache with concurrent_insert=0 appears broken): Fixed in [5.0.60](#)
- [Bug#35087](#) (Inserting duplicate values at one time with DES_ENCRYPT leads to wrong results): Fixed in [5.0.82](#)
- [Bug#35193](#) (VIEW query is rewritten without "FROM DUAL", causing syntax error): Fixed in [5.0.60](#)
- [Bug#35396](#) (Abnormal query times in slow query log): Fixed in [5.0.78](#)
- [Bug#35577](#) (CREATE PROCEDURE causes either crash or syntax error depending on build): Fixed in [5.0.68](#)
- [Bug#37553](#) (MySql Error Compare TimeDiff & Time): Fixed in [5.0.74](#)

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- [Bug#22082](#) (Slave hangs(holds mutex) on "disk full"): Fixed in [5.0.79](#)
- [Bug#31164](#) (Solaris 10 postinstall script fails to create system tables): Fixed in [5.0.78](#)
- [Bug#33050](#) (5.0.50 fails many SSL testcases): Fixed in [5.0.58](#)
- [Bug#33201](#) (Crash occurs when granting update privilege on one column of a view): Fixed in [5.0.60](#)
- [Bug#33758](#) (Got query result when using ORDER BY ASC, but empty result when using DESC): Fixed in [5.0.60](#)
- [Bug#34159](#) (mysql_install_db fails with sql_mode=TRADITIONAL): Fixed in [5.0.67](#), [5.0.68](#)
- [Bug#34192](#) (mysqldump from mysql 5.0.51 silently fails on dumping databases from 4.0 server): Fixed in [5.0.60](#)
- [Bug#34291](#) (compile-amd64-debug-max-no-ndb missing): Fixed in [5.0.62](#)
- [Bug#34339](#) (mysql_explain_log fails if queries have embedded comments): Fixed in [5.0.58](#)
- [Bug#34512](#) (CAST(AVG(double) AS DECIMAL) returns wrong results): Fixed in [5.0.60](#)

- [Bug#34731](#) (highest possible value for INT erroneously filtered by WHERE): Fixed in [5.0.60](#)
- [Bug#34909](#) (mysqldump returns a 0 status on error when using --master-data): Fixed in [5.0.60](#)
- [Bug#35178](#) (INSERT_ID not written to binary log for inserts against BLACKHOLE backed tables): Fixed in [5.0.60](#)
- [Bug#35469](#) (server crash with LOAD DATA INFILE to a VIEW): Fixed in [5.0.60](#)
- [Bug#35924](#) (DEFINER should be stored 'quoted' in I_S): Fixed in [5.0.72](#)
- [Bug#36149](#) (Read buffer overflow in srv0start.c found during "make test"): Fixed in [5.0.76](#)
- [Bug#37228](#) (Sever crashes when creating stored procedure with more than 10 IF/ELSEIF): Fixed in [5.0.68](#)
- [Bug#37245](#) (Full text search problem): Fixed in [5.0.76](#)
- [Bug#37416](#) (When SQL_NO_CACHE is used, MySQL still lookup into the query cache): Fixed in [5.0.79](#)
- [Bug#37526](#) (asymertic operator <=< in trigger): Fixed in [5.0.70](#)
- [Bug#37943](#) (Reproducible mysqld crash/sigsegv in sel_trees_can_be_ored): Fixed in [5.0.72](#)
- [Bug#38195](#) (Executing query causes memory access violation error in mysql service): Fixed in [5.0.70](#)
- [Bug#38637](#) (COUNT DISTINCT prevents NULL testing in HAVING clause): Fixed in [5.0.78](#)
- [Bug#41079](#) (information_schema.schema_privileges is limited to 7680 records.): Fixed in [5.0.76](#)
- [Bug#41486](#) (extra character appears in BLOB for every ~40Mb after mysqldump/import): Fixed in [5.0.80](#)
- [Bug#43254](#) (SQL_SELECT_LIMIT=0 crashes command line client): Fixed in [5.0.80](#)
- [Bug#43432](#) (Union on floats does unnecessary rounding): Fixed in [5.0.82](#)

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- [Bug#31761](#) (Code for cluster is not safe for strict-alias optimization in new gcc): Fixed in [5.0.52](#)
- [Bug#32136](#) (mysqld_multi --defaults-file not respected while using --mysqld=mysqld_safe): Fixed in [5.0.78](#)
- [Bug#32198](#) (Comparison of DATE with DATETIME still not using indexes correctly): Fixed in [5.0.54](#)
- [Bug#32496](#) (In "traditional, ansi" an identifier is not more accepted, that formerly was.): Fixed in [5.0.52](#)
- [Bug#33029](#) (5.0 to 5.1 replication fails on dup key when inserting using a trig in SP): Fixed in [5.0.60](#)
- [Bug#33050](#) (5.0.50 fails many SSL testcases): Fixed in [5.0.58](#)
- [Bug#33057](#) (mysql command line client slows down and uses 100% CPU when restoring dump): Fixed in [5.0.56](#)
- [Bug#33146](#) (CHECKSUM TABLE is not interruptable by KILL QUERY statement): Fixed in [5.0.82](#)
- [Bug#33252](#) (Add the mysqld.debug to tarball packages): Fixed in [5.0.60](#)
- [Bug#33389](#) (Selecting from a view into a table from within SP or trigger crashes server): Fixed in [5.0.60](#)
- [Bug#33461](#) (SELECT ... FROM <view< USE INDEX (...) throws an error): Fixed in [5.0.74](#)
- [Bug#33618](#) (Crash in sp_rcontext): Fixed in [5.0.56](#)
- [Bug#33812](#) (mysql client incorrectly parsing DELIMITER): Fixed in [5.0.76](#), [5.0.66](#)
- [Bug#33813](#) (Schema names are case-sensitive in DROP FUNCTION): Fixed in [5.0.79](#)
- [Bug#35577](#) (CREATE PROCEDURE causes either crash or syntax error depending on build): Fixed in [5.0.68](#)

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- [Bug#21226](#) (FLUSH PRIVILEGES does not provided feedback when it fails.): Fixed in [5.0.68](#)
- [Bug#33057](#) (mysql command line client slows down and uses 100% CPU when restoring dump): Fixed in [5.0.56](#)
- [Bug#33304](#) (Test 'func_group' hangs on Mac OS X 10.4 PowerPC 64-bit): Fixed in [5.0.60](#)
- [Bug#33389](#) (Selecting from a view into a table from within SP or trigger crashes server): Fixed in [5.0.60](#)
- [Bug#33675](#) (crash with subquery and filesort?): Fixed in [5.0.56](#)
- [Bug#33756](#) (query cache with concurrent_insert=0 appears broken): Fixed in [5.0.60](#)
- [Bug#33798](#) (prepared statements improperly handle large unsigned ints): Fixed in [5.0.58](#)
- [Bug#33812](#) (mysql client incorrectly parsing DELIMITER): Fixed in [5.0.76](#), [5.0.66](#)
- [Bug#33841](#) (mysql client crashes when returning results for long running queries): Fixed in [5.0.58](#)
- [Bug#33851](#) (Passing UNSIGNED param to EXECUTE returns ERROR 1210): Fixed in [5.0.58](#)
- [Bug#33946](#) (Join on Federated tables with Unique index gives error 1430 from storage engine): Fixed in [5.0.60](#)
- [Bug#34223](#) (Assertion failed: (opt-<var_type & 127) == 8, file .\my_getopt.c, line 830): Fixed in [5.0.60](#)
- [Bug#34286](#) (Assertion failure in thread 2816 in file .\row\row0sel.c line 3500): Fixed in [5.0.68](#)
- [Bug#34512](#) (CAST(AVG(double) AS DECIMAL) returns wrong results): Fixed in [5.0.60](#)
- [Bug#34731](#) (highest possible value for INT erroneously filtered by WHERE): Fixed in [5.0.60](#)
- [Bug#34749](#) (Server crash when using NAME_CONST() with an aggregate function): Fixed in [5.0.60](#)
- [Bug#35480](#) (BOM detection code crashes mysql CLI with zero-sized input): Fixed in [5.0.66](#)
- [Bug#36326](#) (nested transaction and select): Fixed in [5.0.78](#)
- [Bug#37145](#) (Killing a statement doing DDL may log binlog event with error code 1053): Fixed in [5.0.82](#)

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- [Bug#27732](#) (Possible memory leak with index_merge): Fixed in [5.0.60](#)
- [Bug#31052](#) (PKG Install on Solaris creates temporary files that are not deleted): Fixed in [5.0.77](#), [5.0.79](#)
- [Bug#31164](#) (Solaris 10 postinstall script fails to create system tables): Fixed in [5.0.78](#)
- [Bug#31590](#) (incorrect out of memory error and sort aborted messages in logs): Fixed in [5.0.60](#)
- [Bug#33049](#) (Assert while running test-as3ap test(mysql-bench suite)): Fixed in [5.0.60](#)
- [Bug#33862](#) (completely failed DROP USER statement gets replicated): Fixed in [5.0.56](#)
- [Bug#34223](#) (Assertion failed: (opt-<var_type & 127) == 8, file .\my_getopt.c, line 830): Fixed in [5.0.60](#)
- [Bug#34747](#) (crash in debug assertion check after derived table): Fixed in [5.0.60](#)
- [Bug#34773](#) (query with explain extended and derived table / other table crashes server): Fixed in [5.0.76](#)
- [Bug#34788](#) (malformed federated connection url is not handled correctly - crashes server !): Fixed in [5.0.60](#)
- [Bug#34825](#) (perror on windows doesn't know about win32 error codes): Fixed in [5.0.74](#)
- [Bug#35298](#) (GROUP_CONCAT with DISTINCT can crash the server): Fixed in [5.0.62](#)
- [Bug#35383](#) (binlog playback and replication breaks due to name_const substitution): Fixed in [5.0.80](#)
- [Bug#35515](#) (Aliases of variables in binary log are ignored with NAME_CONST): Fixed in [5.0.82](#)
- [Bug#35848](#) (UUID() returns UUIDs with the wrong time): Fixed in [5.0.68](#)

- [Bug#37051](#) (Replication rules not evaluated correctly.): Fixed in [5.0.79](#)
- [Bug#37301](#) (Length and Max_length differ with no obvious reason): Fixed in [5.0.70](#)
- [Bug#38145](#) (.frm file isn't sync'd with sync_frm enabled): Fixed in [5.0.78](#)

5.0.58

- [Bug#34620](#) (item_row.cc:50: Item_row::illegal_method_call(const char*): Assertion `0' failed): Fixed in [5.0.60](#)
- [Bug#35104](#) (Debug symbols are missing for mysql client on Windows): Fixed in [5.0.60](#)
- [Bug#35577](#) (CREATE PROCEDURE causes either crash or syntax error depending on build): Fixed in [5.0.68](#)
- [Bug#35754](#) (mysql_install_db does not work if no hostname is set): Fixed in [5.0.72](#)
- [Bug#35993](#) (severe memory corruption and crash with multibyte conversion): Fixed in [5.0.62](#)
- [Bug#36005](#) (crash in subselect with single row (subselect_single_select_engine::exec)): Fixed in [5.0.62](#)
- [Bug#36011](#) (server crash with explain extended on query with dependent subqueries): Fixed in [5.0.64](#)
- [Bug#36023](#) (crash/huge memory alloc with max and case when if statement): Fixed in [5.0.62](#)
- [Bug#36270](#) (incorrect calculation result - works in 4.1 but not in 5.0 or 5.1): Fixed in [5.0.70](#)
- [Bug#36279](#) (mysql.exe built with Visual C++ 2005 cannot display japanese character.): Fixed in [5.0.74](#)
- [Bug#36676](#) (UPDATE on TEXT column using LEFT JOIN doesn't update all rows): Fixed in [5.0.64](#)

5.0.60

- [Bug#11122](#) (Server won't always start when cold booting after a crash): Fixed in [5.0.8](#), [5.0.72](#)
- [Bug#32047](#) ('Spurious' errors while opening MERGE tables): Fixed in [5.0.78](#)
- [Bug#35509](#) (Federated leaks memory when connecting to localhost/default port): Fixed in [5.0.60](#)
- [Bug#36570](#) (Parse error of CREATE PROCEDURE stmt with comments on slave): Fixed in [5.0.64](#)
- [Bug#36705](#) (key_buffer_size of <= 2G allocates all available virtual memory on 64-bit windo): Fixed in [5.0.64](#)
- [Bug#36737](#) (having + full text operator crashes mysql): Fixed in [5.0.79](#)
- [Bug#37027](#) (expire_logs_days and missing binlogs cause a crash !): Fixed in [5.0.68](#)
- [Bug#37671](#) (crash on prepared statement + cursor + geometry + too many open files !): Fixed in [5.0.76](#)
- [Bug#37830](#) (ORDER BY ASC/DESC - no difference): Fixed in [5.0.68](#)
- [Bug#41370](#) (TIMESTAMP field does not accepts NULL from FROM_UNIXTIME()): Fixed in [5.0.78](#)
- [Bug#43660](#) (SHOW INDEXES/ANALYZE does NOT update cardinality for indexes of InnoDB table): Fixed in [5.0.82](#)

5.0.62

- [Bug#35577](#) (CREATE PROCEDURE causes either crash or syntax error depending on build): Fixed in [5.0.68](#)
- [Bug#37339](#) (SHOW VARIABLES not working properly with multi-byte datadir): Fixed in [5.0.74](#)
- [Bug#37553](#) (MySql Error Compare TimeDiff & Time): Fixed in [5.0.74](#)
- [Bug#37943](#) (Reproducible mysqld crash/sigsegv in sel_trees_can_be_ored): Fixed in [5.0.72](#)
- [Bug#39040](#) (valgrind errors/crash when creating views with binlog logging enabled): Fixed in [5.0.74](#)

5.0.64

- [Bug#25058](#) (ignored return codes in memory allocation functions): Fixed in [5.0.82](#)
- [Bug#37027](#) (expire_logs_days and missing binlogs cause a crash !): Fixed in [5.0.68](#)
- [Bug#37269](#) (parser crash when creating stored procedure): Fixed in [5.0.68](#)
- [Bug#37301](#) (Length and Max_length differ with no obvious reason): Fixed in [5.0.70](#)
- [Bug#37623](#) (Suffix "-64bit" is duplicated): Fixed in [5.0.66](#)
- [Bug#37662](#) (nested if() inside sum() is parsed in exponential time): Fixed in [5.0.68](#)
- [Bug#37671](#) (crash on prepared statement + cursor + geometry + too many open files !): Fixed in [5.0.76](#)
- [Bug#38291](#) (memory corruption and server crash with view/sp/function): Fixed in [5.0.70](#)

5.0.66

- [Bug#34159](#) (mysql_install_db fails with sql_mode=TRADITIONAL): Fixed in [5.0.67](#), [5.0.68](#)
- [Bug#37671](#) (crash on prepared statement + cursor + geometry + too many open files !): Fixed in [5.0.76](#)
- [Bug#37956](#) (memory leak and / or crash with geometry and prepared statements!): Fixed in [5.0.76](#)
- [Bug#38180](#) (options are read from ~/my.cnf instead of ~/.my.cnf): Fixed in [5.0.66a](#)
- [Bug#38469](#) (invalid memory read and/or crash with utf8 text field, stored procedure, uservar): Fixed in [5.0.72](#)
- [Bug#38637](#) (COUNT DISTINCT prevents NULL testing in HAVING clause): Fixed in [5.0.78](#)
- [Bug#38693](#) (leaked memory with blobs!): Fixed in [5.0.72](#)
- [Bug#39002](#) (crash with insert .. select * from ... on duplicate key update col=default): Fixed in [5.0.70](#)
- [Bug#39040](#) (valgrind errors/crash when creating views with binlog logging enabled): Fixed in [5.0.74](#)
- [Bug#39069](#) (<row constructor< IN <table-subquery< seriously messed up): Fixed in [5.0.78](#)
- [Bug#41486](#) (extra character appears in BLOB for every ~40Mb after mysqldump/import): Fixed in [5.0.80](#)
- [Bug#42635](#) (mysqldump includes views that were excluded using the --ignore-table option): Fixed in [5.0.80](#)

5.0.67

- [Bug#22082](#) (Slave hangs(holds mutex) on "disk full"): Fixed in [5.0.79](#)
- [Bug#34760](#) (Character set autodetection appears to fail): Fixed in [5.0.72sp1](#), [5.0.74](#)
- [Bug#35558](#) (Wrong server metadata blows up the client): Fixed in [5.0.76](#)
- [Bug#38691](#) (segfault/abort in ``UPDATE ...JOIN" while ``FLUSH TABLES WITH READ LOCK"): Fixed in [5.0.72](#)
- [Bug#38990](#) (Arbitrary data input plus GIS functions causes mysql server crash): Fixed in [5.0.82](#)
- [Bug#39021](#) (SELECT REGEXP BINARY NULL never returns): Fixed in [5.0.70](#)
- [Bug#39101](#) (client -i (--ignore-spaces) option does not seem to work): Fixed in [5.0.83](#)
- [Bug#39182](#) (Binary log producing incompatible character set query from stored procedure.): Fixed in [5.0.72](#)
- [Bug#39283](#) (Date returned as VARBINARY to client for queries with COALESCE and JOIN): Fixed in [5.0.72](#)
- [Bug#39541](#) (CHECK TABLE on information_schema myisam tables produces error): Fixed in [5.0.74](#)
- [Bug#39656](#) (Behaviour different for agg functions with & without where - ONLY_FULL_GROUP_BY): Fixed in [5.0.74](#)

- [Bug#39793](#) (Foreign keys not constructed when column has a '#' in a comment or default value): Fixed in [5.0.83](#)
- [Bug#39918](#) (memory (heap) engine crashing with b-tree index and DELETE with seg fault): Fixed in [5.0.83](#)
- [Bug#40264](#) (Aborted cached query causes query to hang indefinitely on next cache hit): Fixed in [5.0.78](#)
- [Bug#40345](#) (MySQLDump prefixes view name with database name when view references other db): Fixed in [5.0.79](#)
- [Bug#40845](#) (Win inst shows screens with wrong naming "MySQL Monitoring and Advisory Service"): Fixed in [5.0.78](#)
- [Bug#41078](#) (With CURSOR_TYPE_READ_ONLY mysql_stmt_fetch() returns short string value.): Fixed in [5.0.79](#)
- [Bug#41486](#) (extra character appears in BLOB for every ~40Mb after mysqldump/import): Fixed in [5.0.80](#)
- [Bug#41571](#) (MySQL segfaults after innodb recovery): Fixed in [5.0.79](#)

5.0.68

- [Bug#21250](#) (resolve stack traces on x86-64 (AMD64, EM64T): most 64 bit CPUs we see): Fixed in [5.0.25](#)
- [Bug#28323](#) (Server crashed in xid cache operations): Fixed in [5.0.72](#)
- [Bug#38291](#) (memory corruption and server crash with view/sp/function): Fixed in [5.0.70](#)
- [Bug#38296](#) (low memory crash with many conditions in a query): Fixed in [5.0.66sp1](#), [5.0.68](#)
- [Bug#38694](#) (Race condition in replication thread shutdown): Fixed in [5.0.82](#)
- [Bug#39074](#) (Binaries do not work on Solaris 10 older than U5): Fixed in [5.0.72](#)
- [Bug#39616](#) (Missing quotes from .CSV crashes server): Fixed in [5.0.76](#)
- [Bug#39953](#) (Triggers are not working properly with multi table updates): Fixed in [5.0.82](#)

5.0.70

- [Bug#39002](#) (crash with insert .. select * from ... on duplicate key update col=default): Fixed in [5.0.70](#)
- [Bug#39040](#) (valgrind errors/crash when creating views with binlog logging enabled): Fixed in [5.0.74](#)
- [Bug#40825](#) (Error 1356 while selecting from a view with a "HAVING" clause though query works): Fixed in [5.0.83](#)
- [Bug#41725](#) (slave crashes when inserting into temporary table after stop/start slave): Fixed in [5.0.83](#)

5.0.72

- [Bug#37575](#) (UCASE fails on monthname and dayname): Fixed in [5.0.76](#)
- [Bug#40953](#) (SELECT query throws "ERROR 1062 (23000): Duplicate entry..." error): Fixed in [5.0.76](#)
- [Bug#41131](#) ("Questions" fails to increment - ignores statements instead stored procs): Fixed in [5.0.76](#)
- [Bug#41725](#) (slave crashes when inserting into temporary table after stop/start slave): Fixed in [5.0.83](#)
- [Bug#42014](#) (Crash, name_const with collate): Fixed in [5.0.78](#)

5.0.74

- [Bug#41571](#) (MySQL segfaults after innodb recovery): Fixed in [5.0.79](#)
- [Bug#41610](#) (key_infix_len can be overwritten causing some group by queries to return no rows): Fixed in [5.0.79](#)
- [Bug#41725](#) (slave crashes when inserting into temporary table after stop/start slave): Fixed in [5.0.83](#)
- [Bug#41868](#) (crash or memory overrun with concat + upper, date_format functions): Fixed in [5.0.79](#)

- [Bug#41943](#) (mysqldb.exe crashes if --hexdump option is used): Fixed in [5.0.83](#)
- [Bug#42419](#) (Server crash with "Pure virtual method called" on two concurrent connections): Fixed in [5.0.79](#)
- [Bug#42502](#) (huge memory leak possible with timezone functions): Fixed in [5.0.80](#)
- [Bug#43254](#) (SQL_SELECT_LIMIT=0 crashes command line client): Fixed in [5.0.80](#)

5.0.75

- [Bug#42037](#) (Queries containing a subquery with DISTINCT and ORDER BY could cause a server c): Fixed in [5.0.78](#)

5.0.76

- [Bug#38694](#) (Race condition in replication thread shutdown): Fixed in [5.0.82](#)
- [Bug#41868](#) (crash or memory overrun with concat + upper, date_format functions): Fixed in [5.0.79](#)
- [Bug#42014](#) (Crash, name_const with collate): Fixed in [5.0.78](#)
- [Bug#42419](#) (Server crash with "Pure virtual method called" on two concurrent connections): Fixed in [5.0.79](#)

5.0.77

- [Bug#42419](#) (Server crash with "Pure virtual method called" on two concurrent connections): Fixed in [5.0.79](#)
- [Bug#42635](#) (mysqldump includes views that were excluded using the --ignore-table option): Fixed in [5.0.80](#)

5.0.78

- [Bug#43748](#) (crash when non-super user tries to kill the replication threads): Fixed in [5.0.80](#)
- [Bug#44151](#) (using handler commands on information_schema tables crashes server): Fixed in [5.0.82](#)

5.0.79

- [Bug#38795](#) (Automatic search depth and nested join's results in server crash): Fixed in [5.0.78](#)
- [Bug#42525](#) (TIMEDIFF function): Fixed in [5.0.78](#)
- [Bug#43254](#) (SQL_SELECT_LIMIT=0 crashes command line client): Fixed in [5.0.80](#)

5.0.80

- [Bug#43950](#) (myisamchk shows negative value for 'Max keyfile length'): Fixed in [5.0.82](#)

5.0.81

5.0.82

- [Bug#43612](#) (crash with explain extended, union, order by): Fixed in [5.0.83](#)
- [Bug#44774](#) (load_file function produces valgrind warnings): Fixed in [5.0.83](#)
- [Bug#44792](#) (valgrind warning when casting from time to time): Fixed in [5.0.83](#)
- [Bug#44796](#) (valgrind: too many my_longlong10_to_str_8bit warnings after uncompressed_length): Fixed in [5.0.83](#)

5.0.83

6.2. Bugs Reported and Fixed in 5.1

5.1.1

- [Bug#14895](#) (Add support for DB_ENV-<set_lg_regionmax and BDB cache larger than 4G): Fixed in [5.1.2](#)

5.1.2

- [Bug#13433](#) (Partitions: delimited identifiers cause syntax errors): Fixed in [5.1.9](#)
- [Bug#13435](#) (Partitions: CREATE TABLE ... LIKE fails): Fixed in [5.1.6](#)
- [Bug#13437](#) (Partitions: table files can be same as partition files): Fixed in [5.1.7](#)
- [Bug#13438](#) (Partitions: crash if engine clause): Fixed in [5.1.6](#)
- [Bug#13439](#) (Partitions: crash plus database corruption if LESS THAN non-literal): Fixed in [5.1.6](#)
- [Bug#13440](#) (Partitions: crash if replace statement): Fixed in [5.1.6](#)
- [Bug#13441](#) (Partitions: failure with analyze statement): Fixed in [5.1.6](#)
- [Bug#13442](#) (Partitions: crash after truncate): Fixed in [5.1.6](#)
- [Bug#13445](#) (Partitions: crash if key method): Fixed in [5.1.6](#)
- [Bug#13446](#) (Partitions: out-of-range values allowed with foreign keys): Fixed in [5.1.6](#)
- [Bug#13447](#) (Partitions: crash with alter table): Fixed in [5.1.6](#)
- [Bug#13520](#) (Quoted partition options fail with syntax error): Fixed in [5.1.9](#)
- [Bug#13644](#) (DROP PARTITION truncates DATE columns): Fixed in [5.1.6](#)
- [Bug#14326](#) (No formatting of SHOW CREATE TABLE output): Fixed in [5.1.31](#)
- [Bug#14327](#) (PARTITIONS clause not shown in SHOW CREATE TABLE output): Fixed in [5.1.6](#)
- [Bug#14350](#) (Partitions: crash if prepared statement): Fixed in [5.1.8](#)
- [Bug#14354](#) (Partitions: data directory clause fails): Fixed in [5.1.6](#)
- [Bug#14355](#) (Partitions: SHOW ENGINES shows partition=no): Fixed in [5.1.6](#)
- [Bug#14363](#) (Partitions: failure if create in stored procedure): Fixed in [5.1.8](#)
- [Bug#14365](#) (Partitions: crash if value too small): Fixed in [5.1.6](#)
- [Bug#14367](#) (Partitions: crash if utf8 column): Fixed in [5.1.8](#)
- [Bug#14524](#) (Partitions: crash if blackhole): Fixed in [5.1.6](#)
- [Bug#14526](#) (Partitions: indexed searches fail): Fixed in [5.1.8](#)
- [Bug#14527](#) (Partitions: table unreadable if partition name = c-cedilla): Fixed in [5.1.8](#)
- [Bug#14612](#) (Cluster RBR: ndbrestore should create apply_status table): Fixed in [5.1.14](#)
- [Bug#15020](#) ("Can't find files" message incorrect for error 24): Fixed in [5.1.6](#)
- [Bug#15021](#) (binlog_index table become inconsistent if errors during purge of binlogs): Fixed in [5.1.14](#)
- [Bug#15253](#) (Partitions: no error for unlisted zeros): Fixed in [5.1.8](#)
- [Bug#15530](#) (Cluster start up "show" shows all data nodes as master during start): Fixed in [5.1.10](#)

5.1.3

- [Bug#15521](#) (Cannot reorganize a partition with a new name equal to the old name): Fixed in [5.1.4](#)
- [Bug#15963](#) (SBR does not show "Definer" correctly on slave host (rpl_ddl.test)): Fixed in [5.1.8](#)

5.1.4

- [Bug#15336](#) (Partitions: crash if create table as select): Fixed in [5.1.8](#)
- [Bug#15393](#) (range partitioning puts records in the wrong partition): Fixed in [5.1.6](#)
- [Bug#15407](#) (Partitions: crash if subpartition): Fixed in [5.1.8](#)
- [Bug#15408](#) (Partitions: subpartition names are not unique): Fixed in [5.1.7](#), [5.1.8](#)
- [Bug#15447](#) (Partitions: NULL is treated as zero): Fixed in [5.1.8](#)
- [Bug#15523](#) (ALTER TABLE ... PARTITION BY does not work in 5.1.3): Fixed in [5.1.6](#)
- [Bug#15561](#) (Partitions: no warning if no support): Fixed in [5.1.10](#)
- [Bug#15910](#) (Wrong value in error message): Fixed in [5.1.6](#)
- [Bug#16455](#) (ndbd crashes on data import): Fixed in [5.1.6](#)
- [Bug#29063](#) (mgmapi: connect timeout set incorrectly): Fixed in [5.1.19-ndb-6.2.3](#), [5.1.20](#)

5.1.5

- [Bug#16068](#) (Plugin related bugs): Fixed in [5.1.5](#)
- [Bug#16095](#) (INSERT DELAYED crashes mysql server): Fixed in [5.1.5](#)
- [Bug#16233](#) (XML: ExtractValue() fails with special characters): Fixed in [5.1.10](#)
- [Bug#16234](#) (XML: Crash if ExtractValue()): Fixed in [5.1.7](#)
- [Bug#16242](#) (XML: crash if Xpath expression has '='): Fixed in [5.1.7](#)
- [Bug#16267](#) (DD: msg: Failed to create UNDOFILE needs to be changed): Fixed in [5.1.6](#)
- [Bug#16313](#) (XML: extractvalue() ignores '!' in names): Fixed in [5.1.8](#)
- [Bug#16315](#) (XML: extractvalue() handles self badly): Fixed in [5.1.8](#)
- [Bug#16316](#) (XML: extractvalue() is case-sensitive with contains()): Fixed in [5.1.8](#)
- [Bug#16318](#) (XML: extractvalue() incorrectly returns last() = 1): Fixed in [5.1.8](#)
- [Bug#16319](#) (XML: extractvalue() returns syntax errors for some functions): Fixed in [5.1.10](#)
- [Bug#16320](#) (XML: extractvalue() won't accept names containing underscores): Fixed in [5.1.8](#)
- [Bug#16341](#) (DD: Failed CREATE LOGFILE GROUP/TABLESPACE should back out all changes): Fixed in [5.1.12](#)
- [Bug#16456](#) (RBR: rpl_sp.test expects query to fail, but passes in RBR): Fixed in [5.1.15](#)
- [Bug#16532](#) (mysql server assert in debug if table det is removed): Fixed in [5.1.12](#)
- [Bug#16614](#) (SHOW CREATE TABLE does not show constraints for InnoDB tables): Fixed in [5.1.12](#)
- [Bug#16684](#) (Error in calculation of partition id for RANGE partitioned tables): Fixed in [5.1.6](#)
- [Bug#16887](#) (Cursor causes server segfault): Fixed in [5.1.8](#)
- [Bug#17631](#) (SHOW TABLE STATUS reports wrong engine): Fixed in [5.1.9](#)

- [Bug#19929](#) (Uncommitted row could get skipped in opt. nr. making primary/backup inconsisten): Fixed in [5.1.12](#)

5.1.6

- [Bug#11835](#) (CREATE FUNCTION crashes server): Fixed in [5.1.8](#)
- [Bug#16386](#) (DD: Cluster fails to create more then 5 logfile groups in extended dll testing): Fixed in [5.1.8](#)
- [Bug#16394](#) (Events: Crash if schedule contains SELECT): Fixed in [5.1.12](#)
- [Bug#16400](#) (Events: mysql_fix_privilege_tables.sql is bad): Fixed in [5.1.7](#)
- [Bug#16406](#) (Events: DROP DATABASE doesn't automatically drop events): Fixed in [5.1.7](#)
- [Bug#16407](#) (Events: Changes in sql_mode won't be taken into account): Fixed in [5.1.7](#)
- [Bug#16408](#) (Events: crash for an event in a procedure): Fixed in [5.1.8](#)
- [Bug#16409](#) (Events: can't drop procedure containing CREATE EVENT statement): Fixed in [5.1.12](#)
- [Bug#16410](#) (Events: CREATE EVENT is legal in a CREATE TRIGGER statement): Fixed in [5.1.7](#)
- [Bug#16411](#) (Events: Microsecond intervals are allowed): Fixed in [5.1.8](#)
- [Bug#16412](#) (Events: SHOW PRIVILEGES gives incorrect information): Fixed in [5.1.8](#)
- [Bug#16413](#) (Events: statements don't appear in the general query log): Fixed in [5.1.8](#)
- [Bug#16415](#) (Events: event names are case sensitive): Fixed in [5.1.8](#)
- [Bug#16417](#) (Events: busy servers miss events): Fixed in [5.1.12](#)
- [Bug#16420](#) (Events: timestamps become UTC): Fixed in [5.1.17](#)
- [Bug#16421](#) (Events: Replication of effects doesn't work): Fixed in [5.1.18](#)
- [Bug#16423](#) (Events: SHOW CREATE EVENT doesn't work): Fixed in [5.1.7](#)
- [Bug#16425](#) (Events: no DEFINER clause): Fixed in [5.1.17](#)
- [Bug#16426](#) (Events: Event-caused statements don't appear in the slow query log): Fixed in [5.1.8](#)
- [Bug#16428](#) (Simultaneous conflicting events lead to crash): Fixed in [5.1.11](#)
- [Bug#16492](#) (DD: Deleting from small to mid size table causes node failure.): Fixed in [5.1.7](#)
- [Bug#16532](#) (mysql server assert in debug if table det is removed): Fixed in [5.1.12](#)
- [Bug#16534](#) (Trying to add multiple partitions crashes server): Fixed in [5.1.6](#)
- [Bug#16537](#) (Events: mysql.event.starts is null): Fixed in [5.1.8](#)
- [Bug#16552](#) (CREATE TEMPORARY TABLE fails when using NDBCLUSTER): Fixed in [5.1.7](#)
- [Bug#16561](#) (Unknown ERROR msg "ERROR 1186 (HY000): Binlog closed" by perror): Fixed in [5.1.12](#)
- [Bug#16591](#) (Partitions: crash using information_schema.partitions): Fixed in [5.1.7](#)
- [Bug#16603](#) (Row subquery gives different result when index is added): Fixed in [5.1.7](#)
- [Bug#16691](#) (default-storage-engine=innodb gets Unknown/unsupported table type: innodb): Fixed in [5.1.10](#)
- [Bug#16695](#) (Reading I_S.PARTITIONS with pre-5.1.6 partitioned tables crashes server): Fixed in [5.1.7](#)
- [Bug#16718](#) (partitioning support system variable has incorrect name): Fixed in [5.1.6](#)
- [Bug#16738](#) (DD: Cluster does not handle running out of space in disk data file): Fixed in [5.1.6](#)
- [Bug#16742](#) (DD: Tables Space small data files create are not correct file size.): Fixed in [5.1.6](#)

- [Bug#16753](#) (DD: mysqldump does not support Cluster Disk Data backups): Fixed in [5.1.6](#)
- [Bug#16771](#) (DD - memleak with insert/delete in loop): Fixed in [5.1.6](#)
- [Bug#16796](#) (BLOB does not work with user defined partitioning): Fixed in [5.1.9](#)
- [Bug#16806](#) (ALTER TABLE fails Can't create table 'test.#sql-549f_2' (errno: 140)): Fixed in [5.1.8](#)
- [Bug#16810](#) (ALTER TABLE test.t1 COALESCE PARTITION 4' failed: Out of memory;): Fixed in [5.1.8](#)
- [Bug#16819](#) (ALTER TABLE test.t1 REBUILD PARTITION p0 1037: Out of memory;): Fixed in [5.1.10](#)
- [Bug#16837](#) (Missing #ifdef causes compile problem in --without-row-based-replication): Fixed in [5.1.12](#)
- [Bug#16853](#) (Events: mysqldump doesn't show events): Fixed in [5.1.8](#)
- [Bug#16872](#) (DD: Unable to restart after shutdown): Fixed in [5.1.7](#)
- [Bug#16873](#) (DD: ndbrestore needs to state rebuilding DD files): Fixed in [5.1.7](#)
- [Bug#16905](#) (Log tables: unicode statements are logged incorrectly): Fixed in [5.1.7](#)
- [Bug#16907](#) (Partitions: crash, SELECT goes into last partition, UNIQUE INDEX): Fixed in [5.1.7](#)
- [Bug#16992](#) (Events: information_schema troubles): Fixed in [5.1.12](#)
- [Bug#17005](#) (Ndb partition handling for create table like is broken): Fixed in [5.1.7](#)
- [Bug#17015](#) (Routine name truncation not an error): Fixed in [5.1.8](#)
- [Bug#17087](#) (No warning on cluster failure for IS.FILES): Fixed in [5.1.7](#)
- [Bug#17095](#) (Cluster RBR in circle does not terminate): Fixed in [5.1.18](#)
- [Bug#17179](#) (Partitioned table creation fails with number of attributes < 32): Fixed in [5.1.7](#)
- [Bug#17368](#) (General log and slow query log don't work): Fixed in [5.1.10](#)
- [Bug#17373](#) (setting several events in different sessions crashes the server): Fixed in [5.1.7](#)
- [Bug#17486](#) (IM: race condition on exit): Fixed in [5.1.13](#)
- [Bug#17605](#) (MySQL Cluster not cleaning up / freeing tablespaces after delete): Fixed in [5.1.15](#), [5.1.14-ndb-6.1.0](#)
- [Bug#19333](#) (Unable to perform SR with newer version): Fixed in [5.1.10](#)
- [Bug#26825](#) (MySQL Server Crashes in high load): Fixed in [5.1.15-ndb-6.1.5](#), [5.1.17](#), [5.1.15-ndb-6.1.6](#)

5.1.7

- [Bug#16421](#) (Events: Replication of effects doesn't work): Fixed in [5.1.18](#)
- [Bug#17082](#) (Client hangs when creating tables with partition): Fixed in [5.1.7](#)
- [Bug#17127](#) (Partitions: crash if add range to list partition): Fixed in [5.1.8](#)
- [Bug#17138](#) (Partitions: prepared statements become unknown): Fixed in [5.1.12](#)
- [Bug#17139](#) (Partitions: unprivileged user can effectively drop table): Fixed in [5.1.10](#)
- [Bug#17140](#) (Partitions: crash if add partition if subpartitions): Fixed in [5.1.8](#)
- [Bug#17141](#) (Partitions: crash if 500 hash partitions): Fixed in [5.1.7](#)
- [Bug#17142](#) (Crash if create with encoded name): Fixed in [5.1.8](#)
- [Bug#17169](#) (Partitions: out of memory if add partition and unique): Fixed in [5.1.7](#), [5.1.8](#)
- [Bug#17173](#) (Partitions: less-than search fails): Fixed in [5.1.8](#)

- [Bug#17188](#) (CRBR: ignores --binlog_ignore_db= settings): Fixed in [5.1.7](#)
- [Bug#17201](#) (mysqldump sometimes creates database twice): Fixed in [5.1.12](#)
- [Bug#17206](#) (Update through VIEW is not working): Fixed in [5.1.7](#)
- [Bug#17210](#) (Create temp table call to ha_ndbcluster::create_handler_files caused core): Fixed in [5.1.7](#)
- [Bug#17249](#) (delete statement with join where clause fails when table do not have pk): Fixed in [5.1.7](#)
- [Bug#17257](#) (update fails for inner joins if tables do not have Primary Key): Fixed in [5.1.7](#)
- [Bug#17284](#) (erroneous temp table cleanup on slave): Fixed in [5.1.10](#)
- [Bug#17289](#) (Events: missing privilege check for drop database): Fixed in [5.1.7](#)
- [Bug#17290](#) (SP with delete, create and rollback to save point causes MySQLD core): Fixed in [5.1.8](#)
- [Bug#17297](#) (Fix error messages): Fixed in [5.1.12](#)
- [Bug#17310](#) (Partitions: archive tables cause errors): Fixed in [5.1.12](#)
- [Bug#17325](#) (Node restart and 4 replicas fail (array index out of range)): Fixed in [5.1.7](#)
- [Bug#17368](#) (General log and slow query log don't work): Fixed in [5.1.10](#)
- [Bug#17373](#) (setting several events in different sessions crashes the server): Fixed in [5.1.7](#)
- [Bug#17374](#) (select ... like 'A%' operator fails to find value on columns with key): Fixed in [5.1.8](#)
- [Bug#17400](#) (Cluster Replication: delete & update of rows in table without pk fails on slave.): Fixed in [5.1.10](#)
- [Bug#17403](#) (Events: packets out of order with show create event): Fixed in [5.1.8](#)
- [Bug#17414](#) (schema distribution functionality does not work on mysql servers without binlog): Fixed in [5.1.7](#)
- [Bug#17415](#) (special character tables are not handled correctly in ndb binlog/schema dist): Fixed in [5.1.7](#)
- [Bug#17453](#) (Creating Event crash the server): Fixed in [5.1.7](#)
- [Bug#17457](#) (Lack of consistency checking for BINLOG command opens DoS vector): Fixed in [5.1.8](#)
- [Bug#17459](#) (Cluster row based replication not setup if backup is ongoing): Fixed in [5.1.7](#)
- [Bug#17494](#) (The algorithm for calculating execution times is not fully correct): Fixed in [5.1.7](#)
- [Bug#17497](#) (Partitions: crash if add partition on temporary table): Fixed in [5.1.8](#)
- [Bug#17501](#) (TYPE= no longer works in CREATE/ALTER TABLE): Fixed in [5.1.8](#)
- [Bug#17505](#) (accessing blob table gives error 4263, Invalid blob attributes...): Fixed in [5.1.7](#)
- [Bug#17521](#) (alter database cores slave): Fixed in [5.1.7](#)
- [Bug#17544](#) (Cannot do atomic log rotate): Fixed in [5.1.13](#)
- [Bug#17559](#) (ndb_gis test failure): Fixed in [5.1.7](#)
- [Bug#17678](#) (RBR format change: moving from VLE to net encoding): Fixed in [5.1.7](#)
- [Bug#17720](#) (Partition ALTER TABLE fails on rename of .MYI file): Fixed in [5.1.8](#)
- [Bug#17721](#) (Test 'exampledb' hangs on Windows): Fixed in [5.1.8](#)
- [Bug#17722](#) (Test 'partition_02myisam' hangs on Windows): Fixed in [5.1.8](#)
- [Bug#17761](#) (Crash in rpl_ndb_multi): Fixed in [5.1.8](#)
- [Bug#17763](#) (mysqld cores with list partitioning if update to missing partition): Fixed in [5.1.8](#)
- [Bug#17827](#) (cluster: rename of several tables in one statement, gets multiply logged): Fixed in [5.1.8](#)

- [Bug#17857](#) (Binary logging of events does not work): Fixed in [5.1.18](#)
- [Bug#17861](#) (MySQL-Max binary is preferred by the startup script): Fixed in [5.1.9](#)
- [Bug#17890](#) (Storage node crashes after inserting data into table (saved on disk)): Fixed in [5.1.8](#)
- [Bug#17894](#) (Comparison with "less than" operator fails with Range partition): Fixed in [5.1.8](#)
- [Bug#18037](#) (Server crash when returning system variable in stored procedures): Fixed in [5.1.11](#)
- [Bug#18067](#) (crash if row based binlog and table with varsize PK and blobs): Fixed in [5.1.8](#)
- [Bug#18075](#) (varsize PK and blobs do not work correctly): Fixed in [5.1.8](#)
- [Bug#18170](#) (XML: ExtractValue(): XPath expression can't use QNames (colon in names)): Fixed in [5.1.10](#)
- [Bug#18171](#) (XML: ExtractValue: the XPath position() function crashes the server!): Fixed in [5.1.8](#)
- [Bug#18172](#) (XML: Extractvalue() accepts malformed XPath without a XPath syntax error): Fixed in [5.1.8](#)
- [Bug#18201](#) (XML: ExtractValue works even if the xml fragment is not well-formed xml): Fixed in [5.1.12](#)
- [Bug#18285](#) (ExtractValue not returning character data within <![CDATA[]]> as expected): Fixed in [5.1.10](#)
- [Bug#18329](#) (subpartitioning by HASH cuts the results): Fixed in [5.1.10](#)
- [Bug#18413](#) (Data usage for varsize columns is not correctly reported to mysqld): Fixed in [5.1.12](#)
- [Bug#18423](#) (partition by hash cuts the results): Fixed in [5.1.10](#)
- [Bug#18464](#) (Can't make example storage engine available): Fixed in [5.1.9](#)
- [Bug#18477](#) (MySQL/InnoDB Ignoring Foreign Keys in ALTER TABLE): Fixed in [5.1.10](#)
- [Bug#18559](#) (log tables cannot change engine, and gets deadlocked when dropping w/ log on): Fixed in [5.1.12](#)
- [Bug#18603](#) (Invalid CREATE LOGFILE GROUP or CREATE TABLESPACE crashes server): Fixed in [5.1.10](#)
- [Bug#18604](#) (Illegal values permitted for ENGINE in CREATE LOGFILE GROUP): Fixed in [5.1.10](#)
- [Bug#18767](#) (Single resultset UNION doesn't sort correctly): Fixed in [5.1.10](#)
- [Bug#18775](#) (Temporary table from alter table visible to other threads): Fixed in [5.1.12](#)
- [Bug#18925](#) (Dependant, subquery on information_schema.COLUMNS returns wrong result): Fixed in [5.1.12](#)
- [Bug#18932](#) (Cluster binlog mysqld accepts updating although binlog not setup): Fixed in [5.1.10](#)
- [Bug#19264](#) (Cannot use dynamic SQL in stored routine called from scheduled event): Fixed in [5.1.11](#)
- [Bug#19288](#) (Package "shared compat" might not contain newly build 5.0/5.1 shared libs): Fixed in [5.1.10](#)
- [Bug#19491](#) (CASTing a DATETIME to DECIMAL truncates microseconds): Fixed in [5.1.14](#)
- [Bug#19579](#) (Optimizer does not choose right index and thus query is slow.): Fixed in [5.1.13](#)

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- [Bug#17417](#) (Mysql Cluster Node is unable to start after graceful stop): Fixed in [5.1.7](#)
- [Bug#17565](#) (RENAME DATABASE destroys events): Fixed in [5.1.23](#)
- [Bug#17589](#) (select count(*) from general_log; with file size of 27GB results in core): Fixed in [5.1.12](#)
- [Bug#17599](#) (The server doesn't give a warning when --log is specified but log table is used): Fixed in [5.1.12](#)
- [Bug#17614](#) (DD: SR fails when having logfilegroups wo/ undofiles): Fixed in [5.1.32-ndb-6.3.23](#), [5.1.32-ndb-6.4.3](#), [5.1.32-ndb-6.2.17](#)
- [Bug#17619](#) (Scheduler race conditions): Fixed in [5.1.11](#)

- [Bug#17631](#) (SHOW TABLE STATUS reports wrong engine): Fixed in [5.1.9](#)
- [Bug#17701](#) (ALTER TABLE t1 ADD PARTITION for PARTITION BY LIST hangs test): Fixed in [5.1.8](#)
- [Bug#17754](#) (Partitions: ALTER TABLE ... ENGINE= ... removes partitioning scheme): Fixed in [5.1.8](#)
- [Bug#17772](#) (ALTER table rename + add column of partitioned cause mysqld to core): Fixed in [5.1.8](#)
- [Bug#17806](#) (Update on NDB table with list partition causes mysqld to core): Fixed in [5.1.8](#)
- [Bug#17812](#) (Previous lock table for write causes "stray" lock although table is recreated): Fixed in [5.1.8](#)
- [Bug#17813](#) (CREATE TABLE limited to 4096 characters for NDB tables): Fixed in [5.1.9](#)
- [Bug#17838](#) (binlog not setup on secondary master after rename): Fixed in [5.1.8](#)
- [Bug#17854](#) (DBLQH crash on single node after system restart): Fixed in [5.1.8](#)
- [Bug#17870](#) (Table names conflict with Windows device names): Fixed in [5.1.10](#)
- [Bug#17876](#) (Truncating mysql.slow_log in a SP after using cursor locks the thread): Fixed in [5.1.21](#)
- [Bug#17903](#) (cast to char results in binary): Fixed in [5.1.12](#)
- [Bug#17946](#) (Partitions: key() can be for a character column): Fixed in [5.1.10](#)
- [Bug#17947](#) (Partitions: crash if rebuild with no name): Fixed in [5.1.8](#)
- [Bug#18005](#) (Creating a trigger on mysql.event leads to server crash on scheduler startup): Fixed in [5.1.12](#)
- [Bug#18026](#) (Node recovery with varchar and charset causing inconsistency): Fixed in [5.1.8](#)
- [Bug#18039](#) (DD: Create unique index cause error 4243): Fixed in [5.1.8](#)
- [Bug#18040](#) (create unique index on non unique data causes crash): Fixed in [5.1.8](#)
- [Bug#18053](#) (Partitions: crash if null): Fixed in [5.1.9](#)
- [Bug#18094](#) (Slave caches invalid table definition after atlters causes select failure): Fixed in [5.1.10](#)
- [Bug#18106](#) (Ndb: Online add index together with replication may cause mysqld core): Fixed in [5.1.8](#)
- [Bug#18129](#) (Fast (online) add index leaves temporary table frm in case of errors): Fixed in [5.1.10](#)
- [Bug#18133](#) (Adding index to unsigned int causes on-line add index not to be used): Fixed in [5.1.10](#)
- [Bug#18153](#) (REPAIR/OPTIMIZE/ALTER on transactional tables corrupt triggers): Fixed in [5.1.8](#)
- [Bug#18170](#) (XML: ExtractValue(): XPath expression can't use QNames (colon in names)): Fixed in [5.1.10](#)
- [Bug#18171](#) (XML: ExtractValue: the XPath position() function crashes the server!): Fixed in [5.1.8](#)
- [Bug#18172](#) (XML: Extractvalue() accepts malformed XPath without a XPath syntax error): Fixed in [5.1.8](#)
- [Bug#18201](#) (XML: ExtractValue works even if the xml fragment is not well-formed xml): Fixed in [5.1.12](#)
- [Bug#18239](#) (Possible to overload internal functions with stored functions): Fixed in [5.1.14](#)
- [Bug#18265](#) (mysql client: No longer right-justifies numeric columns): Fixed in [5.1.10](#)
- [Bug#18279](#) (While using complex queries with bracketed joins mysqld-nt service terminate): Fixed in [5.1.9](#)
- [Bug#18284](#) (mysqld core during create index and replication): Fixed in [5.1.10](#)
- [Bug#18295](#) (DD: DROP LOGFILE GROUP causes ndbd core when compiled with GCC4): Fixed in [5.1.8](#)
- [Bug#18310](#) (Server compiled with yassl crash): Fixed in [5.1.8](#)
- [Bug#18329](#) (subpartitioning by HASH cuts the results): Fixed in [5.1.10](#)
- [Bug#18361](#) (Triggers on mysql.user table cause server crash): Fixed in [5.1.12](#)

- [Bug#18395](#) (dual mysqld's with binlog do not sync drop table binlog event correctly): Fixed in [5.1.8](#)
- [Bug#18423](#) (partition by hash cuts the results): Fixed in [5.1.10](#)
- [Bug#18436](#) (RBR: Replication to partition engine triggers assertion on slave side): Fixed in [5.1.8](#)
- [Bug#18444](#) (Fully qualified stored function names don't work correctly in SELECT statements): Fixed in [5.1.12](#)
- [Bug#18472](#) (race condition between multiple mysqld's when setting up cluster/schema): Fixed in [5.1.8](#)
- [Bug#18495](#) (mysqltest does not use the correct error number): Fixed in [5.1.10](#)
- [Bug#18559](#) (log tables cannot change engine, and gets deadlocked when dropping w/ log on): Fixed in [5.1.12](#)
- [Bug#18935](#) (restore of apply_status table fails using old ndb backup): Fixed in [5.1.10](#)

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- [Bug#16539](#) (MySQL-shared-compat-4.1.15-0.i386.rpm requires glibc 2.3): Fixed in [5.1.10](#)
- [Bug#17620](#) (Replicate (Row Based) Fails when Query Cache enabled on slave.): Fixed in [5.1.12](#)
- [Bug#18535](#) (Invalid pointer after ENTER SINGLE USER MODE): Fixed in [5.1.10](#)
- [Bug#18558](#) (Partition pruning results are incorrect for certain class of WHERE clauses): Fixed in [5.1.9](#)
- [Bug#18575](#) (Cluster crash running 2 stress scripts (cid_ndb_dd2.pl & looper.sh)): Fixed in [5.1.10](#)
- [Bug#18594](#) (ndb_restore log boken in 5.1): Fixed in [5.1.10](#)
- [Bug#18603](#) (Invalid CREATE LOGFILE GROUP or CREATE TABLESPACE crashes server): Fixed in [5.1.10](#)
- [Bug#18604](#) (Illegal values permitted for ENGINE in CREATE LOGFILE GROUP): Fixed in [5.1.10](#)
- [Bug#18621](#) (Incorrect NF handling in SUMA if < 2 replicas): Fixed in 5.1.30-ndb-6.4.0
- [Bug#18622](#) (4R: Data node failes in SimulatedBlock.cpp:211 during stress testing): Fixed in [5.1.10](#)
- [Bug#18750](#) (Partitions: name restrictions): Fixed in [5.1.10](#)
- [Bug#18752](#) (Partitions: null becomes zero): Fixed in [5.1.10](#)
- [Bug#18753](#) (Partitions: auto_increment fails): Fixed in [5.1.10](#)
- [Bug#18775](#) (Temporary table from alter table visible to other threads): Fixed in [5.1.12](#)
- [Bug#18780](#) (DD: DBT2 causes cluster failure using disk data in dbtup/DbtupDiskAlloc.cpp): Fixed in [5.1.12](#)
- [Bug#18782](#) (Restart of failed data node can cause cluster to crash (START_FRAGREF)): Fixed in [5.1.12](#)
- [Bug#18798](#) (mysqld cores on update in ha_ndbcluster call if cluster has failed before): Fixed in [5.1.10](#)
- [Bug#18831](#) (Valgrind: cond jmp on uninit during ndb_dd_dump test): Fixed in [5.1.9](#)
- [Bug#18896](#) (Events: crash if create within create): Fixed in [5.1.12](#)
- [Bug#18897](#) (Events: unauthorized action possible with alter event rename): Fixed in [5.1.12](#)
- [Bug#19146](#) (No error issued where BackupWriteSize has inappropriate value): Fixed in [5.1.16](#)
- [Bug#19170](#) (Creating an event leads to 100% CPU usage.): Fixed in [5.1.10](#)
- [Bug#19214](#) (running mysqld without binlog causes 10s timeout to drigger on schema ops): Fixed in [5.1.10](#)
- [Bug#19403](#) (Crash that happens during removing of database name from cache (#2)): Fixed in [5.1.12](#)
- [Bug#19606](#) (ssl variables are not displayed in show variables): Fixed in [5.1.11](#)
- [Bug#19684](#) (partitions column of EXPLAIN PARTITIONS can't handle long text): Fixed in [5.1.12](#)

- [Bug#19874](#) (SHOW COLUMNS and SHOW KEYS handle identifiers containing \ incorrectly): Fixed in [5.1.12](#)
- [Bug#20086](#) (Can't get data from key partitioned tables with VARCHAR key): Fixed in [5.1.12](#)
- [Bug#20141](#) (User-defined variables are not replicated properly for SF/Triggers in SBR mode): Fixed in [5.1.17](#)
- [Bug#20161](#) (Information Schema for Partitions don't display LINEAR keyword for subpartition): Fixed in [5.1.12](#)
- [Bug#20789](#) (Merge Subtable Rename Causes Crash): Fixed in [5.1.12](#)

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- [Bug#18621](#) (Incorrect NF handling in SUMA if < 2 replicas): Fixed in 5.1.30-ndb-6.4.0
- [Bug#18930](#) (Memory leak in sp-vars.test): Fixed in [5.1.10](#)
- [Bug#19055](#) (Partitions: crash when key(varchar_column) and search): Fixed in [5.1.12](#)
- [Bug#19062](#) (Partitions: clause ignored if create from select): Fixed in [5.1.11](#)
- [Bug#19067](#) (Partitions: crash if subpartition and alter): Fixed in [5.1.12](#)
- [Bug#19122](#) (Partitions: crash if alter rebuild): Fixed in [5.1.12](#)
- [Bug#19140](#) (Partitions: crash if memory and index): Fixed in [5.1.11](#)
- [Bug#19141](#) (DD: CREATE LFG during DROP of a NDB table cause DN failure and corruption): Fixed in [5.1.10](#)
- [Bug#19154](#) (MySQLD Core, glibc detected double free or corruption (fasttop)): Fixed in [5.1.10](#)
- [Bug#19185](#) (Crash on out of DataMemory running DBT2 on NDBDD): Fixed in [5.1.12](#)
- [Bug#19275](#) (Lot of DDL ops lead to 773: Out of string memory Permanent error: Schema error): Fixed in [5.1.12](#)
- [Bug#19281](#) (Partitions: auto_increment=value lost): Fixed in [5.1.12](#)
- [Bug#19309](#) (Partitions: crash if double procedural alter): Fixed in [5.1.12](#)
- [Bug#19318](#) (valgrind: memory leak in ndb_mgmd): Fixed in [5.1.12](#)
- [Bug#19386](#) (Multiple alter causes crashed table): Fixed in [5.1.11](#)
- [Bug#19392](#) (Rename Database: Crash if case change): Fixed in [5.1.12](#)
- [Bug#19459](#) (BINLOG RBR command does not lock tables correctly causing crash for e.g. ndb): Fixed in [5.1.12](#)
- [Bug#19490](#) (View on a date column with calculated INTERVAL crashes the server): Fixed in [5.1.10](#)
- [Bug#19492](#) (--binlog-do-db option causes tables create issues for ndb master): Fixed in [5.1.10](#)
- [Bug#19695](#) (Partitions: ignoring no_table_options): Fixed in [5.1.12](#)
- [Bug#19773](#) (Crash when using multi-table updates with federated tables): Fixed in [5.1.12](#)
- [Bug#19801](#) (Test 'partition' shows read outside array in valgrind): Fixed in [5.1.12](#)
- [Bug#19808](#) (Online config. Wrong error message if DataMemory less than a data on cluster): Fixed in [5.1.14](#)
- [Bug#19911](#) (ndb does not work on sol10 x86): Fixed in 5.1.24-ndb-6.2.16, 5.1.24-ndb-6.3.13
- [Bug#19930](#) (Incorrect thread handling in ndb_mgmd could cause crash/incorrect behavior): Fixed in [5.1.11](#)
- [Bug#20007](#) (DataMemory leak on drop table with var sized attributes): Fixed in [5.1.12](#)
- [Bug#20142](#) (show engine ndb status may falsely return latest epoch == 0): Fixed in [5.1.12](#)

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- [Bug#19620](#) (ndb_mgm help needs help): Fixed in [5.1.12](#)
- [Bug#19645](#) (Data Node hangs in phase 100): Fixed in [5.1.15](#)
- [Bug#19768](#) (Small cluster replication stress testing caused MySQLD signal 11): Fixed in [5.1.12](#)
- [Bug#19770](#) (Repeated DDL ops causes second MySQLD to signal 11): Fixed in [5.1.12](#)
- [Bug#19817](#) (error when try to compile PHP5.1 with mysql 5.0.21 static libs): Fixed in [5.1.15](#)
- [Bug#19881](#) (slave cores at close_temporary_tables under shutdown): Fixed in [5.1.12](#)
- [Bug#19885](#) (memory corruption with ndb binlog in conjunction with online alter table): Fixed in [5.1.11](#)
- [Bug#19896](#) (Last_Errno: 4294967295, Error in Write_rows event: (error number 4 billion?)): Fixed in [5.1.16](#)
- [Bug#19958](#) (RBR idempotency issue for UPDATE and DELETE): Fixed in [5.1.23](#)
- [Bug#20008](#) (Conflict of diskless mode and ndb_dd does data node crash): Fixed in [5.1.12](#)
- [Bug#20065](#) (Erroneous error message at Node Restart if MaxNoOfOrderedIndexes changed too low): Fixed in [5.1.14](#)
- [Bug#20139](#) (Infinite loop after "FLUSH" and "LOCK tabX, general_log"): Fixed in [5.1.12](#)
- [Bug#20213](#) (DBT2 testing cause mysqld to core using Innodb): Fixed in [5.1.12](#)
- [Bug#20268](#) (Test 'partition' fails with "Multiple definition of same constanant..."): Fixed in [5.1.12](#)
- [Bug#20340](#) (Partitioning does not obey to column type): Fixed in [5.1.12](#)
- [Bug#20376](#) (Doesn't auto-detect data dir): Fixed in [5.1.18](#)
- [Bug#20389](#) (use partition, server crash): Fixed in [5.1.12](#)
- [Bug#20403](#) (mysql_upgrade missing in 5.1.11 for win): Fixed in [5.1.12](#)
- [Bug#20493](#) (on partition tables, select and show command casue server crash): Fixed in [5.1.12](#)
- [Bug#20556](#) (mysql_upgrade is missing in linux binary tarballs): Fixed in [5.1.12](#)
- [Bug#20795](#) (extractvalue() won't accept names containing a dot (.)): Fixed in [5.1.12](#)
- [Bug#20815](#) (Re: Errno 12 on Windows after 197 connections): Fixed in [5.1.21](#)
- [Bug#20854](#) (XML functions: ExtractValue() allows invalid XML input): Fixed in [5.1.12](#)
- [Bug#20867](#) (InnoDB Bug - create temporary table+crash =< mysql needs to clean up): Fixed in [5.1.15](#)
- [Bug#21011](#) (mysql_upgrade fails on malformed upgrade_defaults file): Fixed in [5.1.12](#)
- [Bug#21059](#) (Server crashes on join query with large dataset with NDB tables): Fixed in [5.1.12](#)
- [Bug#21096](#) (locking issue ; temporary table conflicts.): Fixed in [5.1.12](#)
- [Bug#21101](#) (Wrong error on exceeding max row size for InnoDB table): Fixed in [5.1.21](#)
- [Bug#21172](#) (Cluster will not restart, configuration error): Fixed in [5.1.12](#)
- [Bug#21173](#) (MySQL crashed after "show table status" on some range-partitioned table): Fixed in [5.1.12](#)
- [Bug#21271](#) (2 Node cluster can't recover from bringing one node down): Fixed in [5.1.12](#)
- [Bug#21339](#) (explain partitions leads to server crash): Fixed in [5.1.12](#)
- [Bug#21350](#) (Relative path for DATA/INDEX DIRECTORY causes spurious warning & file creation): Fixed in [5.1.12](#)
- [Bug#21475](#) (incorrect result and warning with datetime and subquery): Fixed in [5.1.12](#)
- [Bug#21557](#) (entries in the general query log truncated at 1000 characters.): Fixed in [5.1.23](#)
- [Bug#21699](#) (DROP last DATAFILE from TABLESPACE even though there are still tables in it): Fixed in [5.1.18](#)

- [Bug#21713](#) (incorrect value for the REFERENTIAL_CONSTRAINTS.UNIQUE_CONSTRAINT_NAME column): Fixed in [5.1.16](#)
- [Bug#21715](#) (mgm client command <id>all< STATUS returns "not connected" for non-data nodes): Fixed in [5.1.17](#)
- [Bug#21751](#) (Uninformative MySQL Cluster error messages for non-existing tablespaces): Fixed in [5.1.12](#)
- [Bug#21873](#) (MySQLD Crash on ALTER...ADD..UNIQUE..USING HASH statement for NDB backed table): Fixed in [5.1.13](#)
- [Bug#21955](#) (include/storage directory missing from 5.1 binary packages): Fixed in [5.1.12](#)
- [Bug#22045](#) (Got error 839 'Illegal null attribute' from NDBCLUSTER when 'Replace Into'): Fixed in [5.1.24-ndb-6.3.13](#)
- [Bug#22053](#) (REPAIR table can crash server for some really damaged MyISAM tables): Fixed in [5.1.15](#)
- [Bug#22080](#) (CSV Engine CHECK fails to identify some corruption): Fixed in [5.1.12](#)
- [Bug#22369](#) (Alter table rename combined with other alterations causes lost tables): Fixed in [5.1.15](#)
- [Bug#22540](#) (Incorrect value in column End_log_pos of SHOW BINLOG EVENTS using InnoDB): Fixed in [5.1.21](#)
- [Bug#22823](#) (gt and lt operators appear to be reversed in ExtractValue() command): Fixed in [5.1.14](#)
- [Bug#22838](#) (NDB INSERT fails on table with unique key for ERROR 1296): Fixed in [5.1.12](#)
- [Bug#23169](#) (wrong memset in some mysql file): Fixed in [5.1.13](#)
- [Bug#23233](#) (NO_AUTO_VALUE_ON_ZERO and INSERT...ON DUPLICATE cause insertion failure): Fixed in [5.1.18](#)
- [Bug#23409](#) (create view with problem): Fixed in [5.1.16](#)
- [Bug#23839](#) (Multiple declarations of macros): Fixed in [5.1.24](#)
- [Bug#24186](#) (nested query across partitions returns fewer records): Fixed in [5.1.16](#)
- [Bug#31477](#) (Transaction atomicity not as expected between insert and scan): Fixed in [5.1.23-ndb-6.3.9](#), [5.1.23-ndb-6.2.12](#)

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- [Bug#18819](#) (DELETE IGNORE hangs on foreign key parent delete): Fixed in [5.1.13](#)
- [Bug#20053](#) (TABLESPACE should only be allowed to drop files that are created for that TS): Fixed in [5.1.12](#)
- [Bug#20073](#) (information_schema.FILES for UNDO LOG give incorrect EXTENT_SIZE, FREE_EXTENTS,): Fixed in [5.1.12](#)
- [Bug#20139](#) (Infinite loop after "FLUSH" and "LOCK tabX, general_log"): Fixed in [5.1.12](#)
- [Bug#20168](#) (Change in behavior --default-storage-engine=ndb or ndbcluster): Fixed in [5.1.12](#)
- [Bug#20213](#) (DBT2 testing cause mysqld to core using Innodb): Fixed in [5.1.12](#)
- [Bug#20230](#) (routine_definition is not null): Fixed in [5.1.12](#)
- [Bug#20340](#) (Partitioning does not obey to column type): Fixed in [5.1.12](#)
- [Bug#20365](#) (mysqlslap fails with error message about result sets): Fixed in [5.1.12](#)
- [Bug#20389](#) (use partition, server crash): Fixed in [5.1.12](#)
- [Bug#20393](#) (User name truncation in mysql client): Fixed in [5.1.12](#)
- [Bug#20397](#) (Partitions: crash if alter engine): Fixed in [5.1.12](#)
- [Bug#20404](#) (SHOW CREATE TABLE fails with Turkish I): Fixed in [5.1.14](#)
- [Bug#20471](#) (LIKE search fails with indexed utf8 char column): Fixed in [5.1.13](#)
- [Bug#20484](#) (Partitions: crash with explain and union): Fixed in [5.1.12](#)
- [Bug#20548](#) (Events: crash if InnoDB, multiple events, busy procedures, partitions): Fixed in [5.1.12](#)

- [Bug#20583](#) (After "coalesce partition" and "add partition" client "lost connection"): Fixed in [5.1.12](#)
- [Bug#20664](#) (Unprivileged SHOW CREATE FUNCTION crashes 'mysql' command line client): Fixed in [5.1.12](#)
- [Bug#20691](#) (DATETIME col (NOT NULL, NO DEFAULT) may insert garbage when specifying DEFAULT): Fixed in [5.1.16](#)
- [Bug#20705](#) (table truncation from one mysqld causes ERROR 1412 on other mysqld servers): Fixed in [5.1.12](#)
- [Bug#20733](#) (Partitions: search fails on zerofill column): Fixed in [5.1.12](#)
- [Bug#20766](#) (Crash when merging 2 partitions (with subpartitions) into one.): Fixed in [5.1.12](#)
- [Bug#20767](#) (Crash due to split of one partition with subpartitions into 2.): Fixed in [5.1.12](#)
- [Bug#20770](#) (Partitions not removed after reorganize.): Fixed in [5.1.12](#)
- [Bug#20835](#) (Subqueries: literal string with '=any' fails): Fixed in [5.1.15](#)
- [Bug#20850](#) (Assert during slave shutdown in many rpl_* tests): Fixed in [5.1.12](#)
- [Bug#20852](#) (Partitions: crash if hash, innodb, composite primary key): Fixed in [5.1.12](#)
- [Bug#20867](#) (InnoDB Bug - create temporary table+crash =< mysqld needs to clean up): Fixed in [5.1.15](#)
- [Bug#20871](#) (Partitions: crash if --skip-innodb): Fixed in [5.1.12](#)
- [Bug#20893](#) (Valgrind 'invalid read' warning in test case partition_range): Fixed in [5.1.12](#)
- [Bug#20901](#) (CREATE privilege is enough to insert into a table): Fixed in [5.1.23](#)
- [Bug#20903](#) (Crash when using CREATE TABLE .. SELECT and triggers): Fixed in [5.1.19](#)
- [Bug#20908](#) (Crash if select @@''): Fixed in [5.1.12](#)
- [Bug#20953](#) (create proc with a create view that uses local vars/params should fail to create): Fixed in [5.1.13](#)
- [Bug#20975](#) (Subquery with NOT (ANY) differs from subquery with (ANY) IS FALSE): Fixed in [5.1.12](#)
- [Bug#21025](#) (misleading error message when creating functions named 'x', or 'y'): Fixed in [5.1.14](#)
- [Bug#21039](#) (Transaction cache not flushed after SELECT CREATE): Fixed in [5.1.12](#)
- [Bug#21050](#) (Drop db during DN recovery causes other DN to fail & causes recovery issues): Fixed in [5.1.12](#)
- [Bug#21052](#) (Fix error message when aborting backup): Fixed in [5.1.21](#)
- [Bug#21080](#) (ALTER VIEW makes user restate SQL SECURITY mode, and ALGORITHM): Fixed in [5.1.12](#)
- [Bug#21086](#) (server crashes when VIEW defined with a SELECT with COLLATE clause is called): Fixed in [5.1.12](#)
- [Bug#21096](#) (locking issue ; temporary table conflicts.): Fixed in [5.1.12](#)
- [Bug#21136](#) (CREATE TABLE SELECT within CREATE TABLE SELECT causes server crash): Fixed in [5.1.23](#)
- [Bug#21143](#) (Reorganizing of subpartitions let mysqld hang.): Fixed in [5.1.12](#)
- [Bug#21159](#) (Optimizer: wrong result after AND with different data types): Fixed in [5.1.12](#)
- [Bug#21173](#) (MySQL crashed after "show table status" on some range-partitioned table): Fixed in [5.1.12](#)
- [Bug#21210](#) (Altering the number of subpartitions to one caused the server to crash): Fixed in [5.1.12](#)
- [Bug#21216](#) (Simultaneous DROP TABLE and SHOW OPEN TABLES causes server to crash): Fixed in [5.1.12](#)
- [Bug#21277](#) (InnoDB, wrong result set, index_merge strategy, second index not evaluated): Fixed in [5.1.12](#)
- [Bug#21350](#) (Relative path for DATA/INDEX DIRECTORY causes spurious warning & file creation): Fixed in [5.1.12](#)
- [Bug#21357](#) (Valgrind 'invalid read' warning in test case partition): Fixed in [5.1.12](#)
- [Bug#21370](#) (View renaming lacks tablename_to_filename encoding): Fixed in [5.1.14](#)

- [Bug#21494](#) (Master Cluster MySQLD is point of failure that can lead to mismatched slave data): Fixed in [5.1.18](#)
- [Bug#21495](#) (Alter table from x engine to ndb and back can cause issue with drop DB): Fixed in [5.1.14](#)
- [Bug#21519](#) (MySQLD Err msg "Management server closed connection" needs date & time stamp): Fixed in [5.1.14](#)
- [Bug#21610](#) (Loaded engine does not load after restart.): Fixed in [5.1.12](#)
- [Bug#21652](#) (I_S.PROCESSLIST truncates STATE field compared to SHOW FULL PROCESSLIST): Fixed in [5.1.12](#)
- [Bug#21658](#) (Partition test fails, --ps-protocol): Fixed in [5.1.12](#)
- [Bug#21676](#) (select * from information_schema.files crashes server): Fixed in [5.1.12](#)
- [Bug#21690](#) (Unbalanced data distribution in MySQL Cluster): Fixed in [5.1.12](#)
- [Bug#21713](#) (incorrect value for the REFERENTIAL_CONSTRAINTS.UNIQUE_CONSTRAINT_NAME column): Fixed in [5.1.16](#)
- [Bug#21784](#) (DROP TABLE crashes 5.1.12-pre if concurrent queries on the table): Fixed in [5.1.12](#)
- [Bug#21856](#) (Prepared Statments: crash if bad create): Fixed in [5.1.13](#)
- [Bug#21862](#) (Misleading error message 1490: "A PRIMARY KEY need to include all fields..."): Fixed in [5.1.12](#)
- [Bug#21868](#) (Server crashes if encrypted certificate key provided): Fixed in [5.1.13](#)
- [Bug#21873](#) (MySQLD Crash on ALTER...ADD..UNIQUE..USING HASH statement for NDB backed table): Fixed in [5.1.13](#)
- [Bug#21888](#) (Query on GEOMETRY field using PointFromWKB() results in lost connection): Fixed in [5.1.13](#)
- [Bug#21948](#) (Repeated create/drop/truncate together with restarts can cause SR failure): Fixed in [5.1.15](#), [5.1.14-ndb-6.1.0](#)
- [Bug#21976](#) (Unnecessary warning with count(decimal)): Fixed in [5.1.18](#)
- [Bug#22025](#) (Error msg "Transporter to node 3 reported error 0x16" Needs to be cleaned up): Fixed in [5.1.16](#)
- [Bug#22242](#) (Instance Manager: option-parsing errors): Fixed in [5.1.14](#)
- [Bug#22372](#) (Disable spatial key, load data, enable spatial key, crashes table): Fixed in [5.1.15](#)
- [Bug#22397](#) (Events: crash with procedure which alters events): Fixed in [5.1.12](#)
- [Bug#22451](#) (Partitions: duplicate results with engine=federated): Fixed in [5.1.15](#)
- [Bug#22533](#) (Traditional: Too-long bit value not rejected): Fixed in [5.1.16](#)
- [Bug#22547](#) (Node crash is for max value of LongMessageBuffer): Fixed in [5.1.14](#)
- [Bug#22548](#) (Data nodes fail during starting if MaxNoOfUniqueHashIndexes has upper limit): Fixed in [5.1.14](#)
- [Bug#22584](#) (last_insert_id not updated after inserting a record through a updatable view): Fixed in [5.1.13](#)
- [Bug#22634](#) (converting where DATA DIRECTORY = table directory to ARCHIVE corrupts table): Fixed in [5.1.15](#)
- [Bug#22645](#) (LC_TIME_NAMES: Statement not replicated): Fixed in [5.1.15](#)
- [Bug#22646](#) (LC_TIME_NAMES: Assignment to non-UTF8 target fails): Fixed in [5.1.15](#)
- [Bug#22648](#) (LC_TIME_NAMES: Setting GLOBAL has no effect): Fixed in [5.1.18](#)
- [Bug#22662](#) (Inconsistent values displayed for event_scheduler when set to DISABLED): Fixed in [5.1.12](#)
- [Bug#22694](#) (function plugin_foreach_with_mask() uses an uninitialized pointer): Fixed in [5.1.15](#)
- [Bug#22708](#) (Error message doesn't refer to storage engine unsupported): Fixed in [5.1.24](#)
- [Bug#22738](#) (Events: After stop and start disabled events could reside in the queue): Fixed in [5.1.24](#)
- [Bug#22762](#) (create talbe if not exists like a-temp-table binlogged w/o "if not exists"): Fixed in [5.1.14](#)
- [Bug#22830](#) (Events: crash with procedure which alters events with function): Fixed in [5.1.14](#)

- [Bug#22864](#) (Rollback following CREATE ... SELECT discards 'CREATE table' from log): Fixed in [5.1.15](#)
- [Bug#22865](#) (CREATE ... SELECT is logged too late): Fixed in [5.1.15](#)
- [Bug#23093](#) (Implicit conversion of 9912101 to date does not match cast(9912101 as date)): Fixed in [5.1.18](#)
- [Bug#23113](#) (Different behavior on altering ENUM fields between 5.0 and 5.1): Fixed in [5.1.30](#)
- [Bug#23215](#) (STOP INSTANCE takes too much time): Fixed in [5.1.15](#)
- [Bug#23312](#) (server hangs 'closing tables' with insert delayed,flush tables,alter table): Fixed in [5.1.15](#)
- [Bug#23423](#) (Syntax error for "ALTER EVENT ... COMMENT ..." on just two platforms): Fixed in [5.1.12](#)
- [Bug#23443](#) (user-defined variables can consume too much memory in the server): Fixed in [5.1.15](#)
- [Bug#23476](#) (DROP INSTANCE does not work): Fixed in [5.1.15](#)
- [Bug#23494](#) (RESTORE fails if to big table...(resource problem)): Fixed in [5.1.13](#)
- [Bug#23810](#) (Server crashes on various "show status ..." commands): Fixed in [5.1.20](#)
- [Bug#23814](#) (mysqlimport crashes): Fixed in [5.1.17](#)
- [Bug#23887](#) (ndb_config does not work when using 2 mgm servers and node-ids): Fixed in [5.1.15](#)
- [Bug#23900](#) (Numerous storage engines missing in Windows binaries): Fixed in [5.1.15](#)
- [Bug#23949](#) (binaries for MySQL 5.1.12 don't include partitioning): Fixed in [5.1.13](#)
- [Bug#24105](#) (ndb_mgm ALL RESTART -i command run with one node stopped stops all data nodes): Fixed in [5.1.14](#)
- [Bug#24248](#) (Problem updating from 5.0.15 to 5.1.12 running under Win XP SP2): Fixed in [5.1.18](#)
- [Bug#24270](#) (mysql_install_db doesn't work properly on 5.1): Fixed in [5.1.15](#)
- [Bug#24476](#) (ndbd crashed because of failed ndbrequire in dbacc/DbaccMain.cpp.): Fixed in [5.1.14](#)
- [Bug#24502](#) (reorganize partition closes connection.): Fixed in [5.1.15](#)
- [Bug#24532](#) (The return data type of IS TRUE is different from similar operations): Fixed in [5.1.17](#)
- [Bug#24544](#) (Backup report in ndb_mgm and logfile suggestion): Fixed in [5.1.14](#)
- [Bug#24563](#) (MBROverlaps does not seem to function properly.): Fixed in [5.1.18](#)
- [Bug#24566](#) (Incorrect key file for table (the size of table is more than 2G)): Fixed in [5.1.18](#)
- [Bug#24664](#) (Rare problem in LCP, can lead to inability to restart): Fixed in [5.1.15](#), [5.1.14-ndb-6.1.0](#)
- [Bug#24741](#) (existing cascade clauses disappear when adding foreign keys): Fixed in [5.1.16](#)
- [Bug#24860](#) (Incorrect SLAVE_TRANSACTION_RETRIES code can result in slave stuck): Fixed in [5.1.23](#)
- [Bug#25064](#) (ClusterLog Wraps lines): Fixed in [5.1.22-ndb-6.3.4](#), [5.1.23](#), [5.1.22-ndb-6.2.7](#)
- [Bug#25239](#) (Out of memory problem can cause crash in SUMA): Fixed in [5.1.15-ndb-6.1.3](#), [5.1.16](#)
- [Bug#25628](#) (mysqlbinlog crashes while processing binary logs): Fixed in [5.1.17](#)
- [Bug#25946](#) (Namespace not include for xsi usage within --xml output with null/nil values): Fixed in [5.1.18](#)
- [Bug#26490](#) (duplicate cluster error code): Fixed in [5.1.15-ndb-6.1.3](#), [5.1.16](#)
- [Bug#26703](#) (DROP DATABASE fails if database contains a #mysql50# table with backticks): Fixed in [5.1.24](#)
- [Bug#40369](#) (dtype_get_sql_null_size() returns 0 or 1, not the size): Fixed in [5.1.32](#)

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- [Bug#14019](#) (group by converts literal string to column name): Fixed in [5.1.13](#)
- [Bug#23430](#) (Node failure in testOperations / DeleteUpdate with new table): Fixed in [5.1.13](#)
- [Bug#23542](#) (crash on DELETE from ndb dd table): Fixed in [5.1.14](#)
- [Bug#23546](#) (Cluster configured without any arbitration): Fixed in [5.1.16](#)
- [Bug#23576](#) (Table is created although tablespace does not exist): Fixed in [5.1.14](#)
- [Bug#23675](#) (Partitions: possible security breach via alter): Fixed in [5.1.18](#)
- [Bug#23735](#) (mysqlbinlog client fails when reading binlog from stdin): Fixed in [5.1.15](#)
- [Bug#23736](#) (Pointer free error in mysqlbinlog): Fixed in [5.1.17](#)
- [Bug#23782](#) (Stored procedures: crash if variable in procedure analyse): Fixed in [5.1.16](#)
- [Bug#23831](#) (deadlock not noticed): Fixed in [5.1.14](#)
- [Bug#23856](#) (GROUP_CONCAT and ORDER BY: junk from previous rows for query on I_S): Fixed in [5.1.20](#)
- [Bug#24166](#) (SR-crash if DD and hidden key): Fixed in [5.1.15](#), [5.1.14-ndb-6.1.0](#)
- [Bug#24186](#) (nested query across partitions returns fewer records): Fixed in [5.1.16](#)
- [Bug#24190](#) (many exportable definitions of field_in_record_is_null): Fixed in [5.1.14](#)
- [Bug#24191](#) (ndb_size.tmpl missing in distributions): Fixed in [5.1.16](#)
- [Bug#24270](#) (mysql_install_db doesn't work properly on 5.1): Fixed in [5.1.15](#)

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- [Bug#21265](#) (mysqld_error.h file not installed when building only client libraries): Fixed in [5.1.15](#)
- [Bug#24191](#) (ndb_size.tmpl missing in distributions): Fixed in [5.1.16](#)
- [Bug#24301](#) (Next command hangs in mysql after creating new NDB table via LIKE operation.): Fixed in [5.1.14](#)
- [Bug#24303](#) (Wrong result for UPDATE IGNORE for NDB table): Fixed in [5.1.14](#)
- [Bug#24470](#) (MySQL Servers crashes during creating new tables with blob column): Fixed in [5.1.14](#)
- [Bug#24490](#) (segfault at unpack_row-<Field_bit::set_default): Fixed in [5.1.15](#)
- [Bug#24498](#) (Stack overflow in mysqltest): Fixed in [5.1.15](#)
- [Bug#24502](#) (reorganize partition closes connection.): Fixed in [5.1.15](#)
- [Bug#24521](#) (ndbd node crashes if try to create many datafiles for tablespace): Fixed in [5.1.34-ndb-6.2.18](#), [5.1.34-ndb-7.0.6](#), [5.1.34-ndb-6.3.25](#), [5.1.18](#)
- [Bug#24533](#) (uninitd null_bit of m_after_image): Fixed in [5.1.14](#)
- [Bug#24558](#) (Increasing decimal column length causes data loss): Fixed in [5.1.17](#)
- [Bug#24560](#) (UNDO_BUFFER_SIZE <= 64K in CREATE LOGFILE GROUP -< data node failure): Fixed in [5.1.18](#)
- [Bug#24631](#) (DD files aren't deleted when stopped node started again): Fixed in [5.1.19](#)
- [Bug#24633](#) (SQL MODE "NO_DIR_IN_CREATE" does not work with partitioned tables): Fixed in [5.1.18](#)
- [Bug#24667](#) (After ALTER TABLE operation ndb_dd table becomes regular ndb): Fixed in [5.1.15-ndb-6.1.7](#), [5.1.15](#), [5.1.18](#)
- [Bug#24670](#) (Events: crash with subquery): Fixed in [5.1.15](#)
- [Bug#24738](#) (create .. select is not isolated properly): Fixed in [5.1.19](#)
- [Bug#24741](#) (existing cascade clauses disappear when adding foreign keys): Fixed in [5.1.16](#)

- [Bug#24747](#) (XPath error with the node name "Text"): Fixed in [5.1.17](#)
- [Bug#24820](#) (CREATE INDEXUSING HASH on NDB table creates ordered index, not HASH index): Fixed in [5.1.15](#)
- [Bug#25001](#) (MEDIUMTEXT column not stored on disk): Fixed in [5.1.15](#), [5.1.14-ndb-6.1.0](#)
- [Bug#25026](#) (`information_schema.KEY_COLUMN_USAGE`.`REFERENCED_TABLE_NAME` returns garbage): Fixed in [5.1.15](#)
- [Bug#25044](#) (ALTER TABLE ... ENABLE KEYS acquires global 'opening tables' lock.): Fixed in [5.1.16](#)
- [Bug#25075](#) (sql_class.cc doesn't compile with --without-query-cache): Fixed in [5.1.17](#)
- [Bug#25091](#) (A DELETE statement to mysql database is not logged with ROW mode format): Fixed in [5.1.17](#)
- [Bug#25097](#) (mysql_server_init fails silently if no errmsg.sys is present): Fixed in [5.1.24](#)
- [Bug#25141](#) (Crash Server on Partitioning command): Fixed in [5.1.18](#)
- [Bug#25286](#) (NDB data node crashed in DBLQH, Line 2483): Fixed in [5.1.15-ndb-6.1.1](#)
- [Bug#25296](#) (Truncate table converts NDB disk based tables to in-memory tables.): Fixed in [5.1.15-ndb-6.1.7](#), [5.1.15](#), [5.1.18](#)
- [Bug#25340](#) (Slight error in configure.js break source installation on Windows): Fixed in [5.1.24](#)
- [Bug#25426](#) (Prefix index on DECIMAL column causes warning): Fixed in [5.1.24](#)
- [Bug#25446](#) (START BACKUP NOWAIT Reports error and then continues): Fixed in [5.1.18](#)
- [Bug#25487](#) (deleting ndb_cluster_connection object takes long time): Fixed in [5.1.15](#)
- [Bug#25543](#) (Replication of wrong values if using rand() in stored procedure): Fixed in [5.1.18](#)
- [Bug#25628](#) (mysqlbinlog crashes while processing binary logs): Fixed in [5.1.17](#)
- [Bug#25679](#) (Denial-of-Service against entire server if FEDERATED engine is compiled): Fixed in [5.1.21](#)
- [Bug#25765](#) (too many dbg heap assertions on windows): Fixed in [5.1.17](#)
- [Bug#25800](#) (Embedded server requires mysql.plugin): Fixed in [5.1.20](#)
- [Bug#25993](#) (mysqldump crashes with merge table and -c option): Fixed in [5.1.18](#)
- [Bug#26000](#) (SHOW SLAVE STATUS can crash mysqld during shutdown process): Fixed in [5.1.23](#)
- [Bug#26051](#) (XML: ExtractValue() returns wrong results for boolean() XPath test): Fixed in [5.1.24](#)
- [Bug#26074](#) (Mysql crash when creating partitions): Fixed in [5.1.18](#)
- [Bug#26079](#) (max_binlog_size + innodb = not make new binlog and hang server): Fixed in [5.1.17](#)
- [Bug#26080](#) (Memory Storage engine not working properly): Fixed in [5.1.17](#)
- [Bug#26093](#) (SELECT BENCHMARK() for SELECT statements does not produce valid results): Fixed in [5.1.17](#)
- [Bug#26117](#) (index_merge sort-union over partitioned table crashes): Fixed in [5.1.17](#)
- [Bug#26121](#) (mysqldump includes LOCK TABLES general_log WRITE): Fixed in [5.1.15-ndb-6.1.7](#), [5.1.18](#)
- [Bug#26174](#) (Server Crash: INSERT ... SELECT ... FROM I_S.GLOBAL_STATUS in Event): Fixed in [5.1.18](#)
- [Bug#26293](#) (cluster mgmt node sometimes doesn't receive events from all nodes on restart): Fixed in [5.1.15-ndb-6.1.3](#), [5.1.16](#)
- [Bug#26380](#) (LOCK TABLES + FLUSH LOGS causes deadlock): Fixed in [5.1.20](#)
- [Bug#26527](#) (LOAD DATA INFILE extremely slow with partitioned table): Fixed in [5.1.23](#)
- [Bug#26560](#) (VIEW with scalar correlated subquery returns wrong results): Fixed in [5.1.17](#)
- [Bug#26672](#) (Incorrect SEC_TO_TIME() casting in ORDER BY): Fixed in [5.1.17](#)
- [Bug#26675](#) (ndb_connectstring is not reported in show global variables): Fixed in [5.1.19](#)

- [Bug#26741](#) (ndb_restore with only print_data seg faults): Fixed in [5.1.17](#), [5.1.15-ndb-6.1.4](#)
- [Bug#26976](#) (Missing table in merge not noted in related error msg + SHOW CREATE TABLE fails): Fixed in [5.1.20](#)
- [Bug#27543](#) (restore of backup from different endian does not work for blob column): Fixed in [5.1.22-ndb-6.2.6](#), [5.1.22-ndb-6.3.3](#), [5.1.23](#)

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- [Bug#18660](#) (Can't grant any privileges on single table in database with underscore char): Fixed in [5.1.20](#)
- [Bug#21103](#) (DATE column not compared as DATE): Fixed in [5.1.17](#), [5.1.19](#)
- [Bug#23616](#) (Week() changed behaviour between 5.0.22 and 5.0.24): Fixed in [5.1.17](#)
- [Bug#23924](#) (general_log truncates queries with character set introducers.): Fixed in [5.1.24](#)
- [Bug#24191](#) (ndb_size.tmpl missing in distributions): Fixed in [5.1.16](#)
- [Bug#24951](#) (Data nodes died (lgman) during creating tables): Fixed in [5.1.18](#)
- [Bug#25091](#) (A DELETE statement to mysql database is not logged with ROW mode format): Fixed in [5.1.17](#)
- [Bug#25422](#) (Hang with log tables): Fixed in [5.1.21](#)
- [Bug#25427](#) (Use of ambiguous column in an expression in ORDER BY clause crashes server): Fixed in [5.1.15](#)
- [Bug#25567](#) (records() call performs scan in NDB, performance bug): Fixed in [5.1.15](#)
- [Bug#25578](#) (CREATE TABLE LIKE does not require any privileges on source table.): Fixed in [5.1.20](#)
- [Bug#25629](#) (CREATE TABLE LIKE does not work with INFORMATION_SCHEMA): Fixed in [5.1.23](#)
- [Bug#25671](#) (CREATE/DROP/ALTER SERVER should require privileges): Fixed in [5.1.18](#)
- [Bug#25673](#) (spatial index corruption, error 126 incorrect key file for table): Fixed in [5.1.17](#)
- [Bug#25721](#) (Federated: hang with simultaneous ALTER SERVER and CREATE SERVER): Fixed in [5.1.18](#)
- [Bug#25741](#) (Unable to allocate node id during restarting data node): Fixed in [5.1.15-ndb-6.1.7](#), [5.1.18](#)
- [Bug#25743](#) (If initial_size less than undo_buffer_size (for LG) then ndbd nodes are crashed): Fixed in [5.1.15-ndb-6.1.5](#), [5.1.17](#)
- [Bug#25821](#) (Excessive partition pruning for multi-range index scan in NDB API): Fixed in [5.1.16](#)
- [Bug#25831](#) (Deficiencies in INSERT ... SELECT ... field name resolving.): Fixed in [5.1.17](#)
- [Bug#25875](#) (Newly created table through CREATE TABLE .. LIKE has no ndb_dd attributes): Fixed in [5.1.18](#)
- [Bug#25877](#) (After DROP INDEX non-indexed data isn't moved from memory into tablespace): Fixed in [5.1.17](#), [5.1.15-ndb-6.1.6](#)
- [Bug#25880](#) (Adding new column to ndb_dd table moves data for non-indexed fields in memory): Fixed in [5.1.17](#)
- [Bug#25997](#) (Valgrind reports leak in event code in mysqld during handling of NF and CF): Fixed in [5.1.15-ndb-6.1.1](#), [5.1.16](#)
- [Bug#26121](#) (mysqldump includes LOCK TABLES general_log WRITE): Fixed in [5.1.15-ndb-6.1.7](#), [5.1.18](#)
- [Bug#26159](#) (select statement crashes mysql server): Fixed in [5.1.16](#)
- [Bug#26174](#) (Server Crash: INSERT ... SELECT ... FROM I_S.GLOBAL_STATUS in Event): Fixed in [5.1.18](#)
- [Bug#26241](#) (Blackhole tables don't honor table locks): Fixed in [5.1.19](#)
- [Bug#26261](#) (Missing default value isn't noticed in insert ... on duplicate key update): Fixed in [5.1.17](#)
- [Bug#26285](#) (Selecting information_schema crases server): Fixed in [5.1.17](#)
- [Bug#26503](#) (Illegal SQL exception handler code causes the server to crash): Fixed in [5.1.17](#)

- [Bug#26760](#) (SSL support missing from 5.1.15-0 x86_64 Client Programs?): Fixed in [5.1.31](#)
- [Bug#26815](#) (Unexpected built-in function behavior: group_concat(distinct substring_index())): Fixed in [5.1.18](#)
- [Bug#26898](#) (Alter table to empty merge from ndb causes mysqld to crash): Fixed in [5.1.18](#)
- [Bug#27444](#) (DataMemory missing from report in cluster logs): Fixed in [5.1.18](#)
- [Bug#38227](#) (EXTRACTVALUE doesn't work with DTD declarations): Fixed in [5.1.31](#)
- [Bug#39320](#) (assert btr/btr0pcur.c line 217 -innodb_locks_unsafe_for_binlog or read committed): Fixed in [5.1.35](#)
- [Bug#42495](#) (updatexml: Assertion failed: xpath-<context, file .\item_xmlfunc.cc, line 2507): Fixed in [5.1.31sp1](#), [5.1.32](#)

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- [Bug#24566](#) (Incorrect key file for table (the size of table is more than 2G)): Fixed in [5.1.18](#)
- [Bug#25712](#) (insert delayed and check table run together report crashed tables): Fixed in [5.1.19](#)
- [Bug#25992](#) (Data nodes died during creating many tables based on different tablespaces): Fixed in [5.1.17](#)
- [Bug#26141](#) (mixing table types in trigger causes full table lock on innodb table): Fixed in [5.1.21](#)
- [Bug#26338](#) (events_bugs.test fail on Debian): Fixed in [5.1.20](#)
- [Bug#26346](#) (stack + buffer overrun in mysqldump): Fixed in [5.1.18](#)
- [Bug#26402](#) (Server crashes with old-style named table): Fixed in [5.1.20](#)
- [Bug#26464](#) (insert delayed + update + merge = corruption): Fixed in [5.1.17](#)
- [Bug#26503](#) (Illegal SQL exception handler code causes the server to crash): Fixed in [5.1.17](#)
- [Bug#26741](#) (ndb_restore with only print_data seg faults): Fixed in [5.1.17](#), [5.1.15-ndb-6.1.4](#)
- [Bug#26815](#) (Unexpected built-in function behavior: group_concat(distinct substring_index())): Fixed in [5.1.18](#)
- [Bug#26922](#) (Test 'varbinary' fails to do copy_file on Windows): Fixed in [5.1.18](#)
- [Bug#26987](#) (innodb_* and possibly other server vars missing from mysqld --help --verbose): Fixed in [5.1.19](#)
- [Bug#27004](#) (mgmapi doesn't compile into C-code): Fixed in [5.1.32-ndb-6.2.17](#), [5.1.31-ndb-6.3.21](#)
- [Bug#27014](#) (Imperfect error/warning message for STR_TO_DATE for invalid datetime value): Fixed in [5.1.23](#)
- [Bug#27040](#) (Incorrect FTS parser name output): Fixed in [5.1.23](#)
- [Bug#27084](#) (partitioning by list seems failing when using case): Fixed in [5.1.21](#)
- [Bug#27127](#) (incorrect behaviour of timestamp column with DEFAULT CURRENT_TIMESTAMP): Fixed in [5.1.18](#)
- [Bug#27197](#) (Phantom reads occurring under innodb serializable isolation level): Fixed in [5.1.21](#)
- [Bug#27207](#) (Missing parameters in [TCP] section cause ndb_mgmd start failure): Fixed in [5.1.19](#)
- [Bug#27287](#) (extractvalue() (and updatexml()) extremely slow for large XML): Fixed in [5.1.23](#)
- [Bug#27405](#) (Partitioning InnoDB auto_increment bug): Fixed in [5.1.23](#)
- [Bug#27610](#) (ALTER TABLE ROW_FORMAT=... does not rebuild the table): Fixed in [5.1.23](#)
- [Bug#27684](#) (SHOW ENGINES and L_S.ENGINES output not the same): Fixed in [5.1.20](#)
- [Bug#27759](#) (least() incorrectness with date args): Fixed in [5.1.18](#)
- [Bug#27775](#) (mediumint auto_increment with ndb_restore): Fixed in [5.1.18](#)
- [Bug#27816](#) (Log tables ran with partitions crashes the server when logging is enabled.): Fixed in [5.1.20](#)

- [Bug#27898](#) (UPDATEXML Crashes the Server!): Fixed in [5.1.20](#)
- [Bug#27926](#) (wrong month name in cluster error log): Fixed in [5.1.18](#)
- [Bug#28077](#) (ndbrequire failure in LGMAN): Fixed in [5.1.32-ndb-6.2.17](#), [5.1.31-ndb-6.3.21](#)
- [Bug#29248](#) (MyISAMchk & MyISAMpack failing with * wildcard on Windows platform): Fixed in [5.1.35](#)
- [Bug#29419](#) (Specifying a join_buffer < 4GB on 64 bit machines not possible.): Fixed in [5.1.23](#)
- [Bug#32125](#) (Database crash due to ha_innodb.cc:3896: ulint convert_search_mode_to_innbase): Fixed in [5.1.23](#)
- [Bug#32436](#) (KILL QUERY completely deadlocks mysqld): Fixed in [5.1.23](#)

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- [Bug#26079](#) (max_binlog_size + innodb = not make new binlog and hang server): Fixed in [5.1.17](#)
- [Bug#26303](#) (buffer overflow? reserve() not called before qs_append()): Fixed in [5.1.18](#)
- [Bug#26625](#) (crash in range optimizer (out of mem) [Bug#26624](#)): Fixed in [5.1.18](#)
- [Bug#26661](#) (SELECT with UNION kills the daemon): Fixed in [5.1.17](#)
- [Bug#26782](#) (Patch: myisamchk -rq creates .MYI.MYI file on packed MyISAM tables): Fixed in [5.1.18](#)
- [Bug#26807](#) ("set global event_scheduler=1" and --skip-grant-tables crashes server): Fixed in [5.1.17](#)
- [Bug#26830](#) (subquery, group by .. with rollup crashes server): Fixed in [5.1.17](#)
- [Bug#26978](#) (s-<z_err not assigned a value?): Fixed in [5.1.24](#)
- [Bug#26987](#) (innodb_* and possibly other server vars missing from mysqld --help --verbose): Fixed in [5.1.19](#)
- [Bug#27018](#) (Partial blob write inside blob clobbers data after the write): Fixed in [5.1.18-ndb-6.2.1](#), [5.1.18](#)
- [Bug#27022](#) (Install fails with Duplicate entry '%-test-' for key 'PRIMARY'): Fixed in [5.1.18](#)
- [Bug#27036](#) (show create table <federated> crashes server): Fixed in [5.1.18](#)
- [Bug#27044](#) (replicated with unique field ndb table allows duplicate key inserts): Fixed in [5.1.20](#)
- [Bug#27076](#) (Cluster does not honor SQL_LOG_BIN flag): Fixed in [5.1.18](#)
- [Bug#27123](#) (partition + on duplicate key update + varchar = Can't find record in table): Fixed in [5.1.18](#)
- [Bug#27164](#) (Crash when mixing InnoDB and MyISAM Geospatial tables): Fixed in [5.1.18](#)
- [Bug#27254](#) (Single User Mode.Mysql hangs if it tries delete a ndb table): Fixed in [5.1.17](#)
- [Bug#27293](#) (mysqldump crashes when dumping procedure defined by different user): Fixed in [5.1.18](#)
- [Bug#27327](#) (information_schema status views, variable_value conversion): Fixed in [5.1.18](#)
- [Bug#27359](#) (Partitions: memory allocation error message): Fixed in [5.1.18](#)
- [Bug#27692](#) (anonymous accounts not created): Fixed in [5.1.23](#)
- [Bug#27816](#) (Log tables ran with partitions crashes the server when logging is enabled.): Fixed in [5.1.20](#)
- [Bug#27818](#) (a comedy of errors related to events in 5.1.17): Fixed in [5.1.18](#)
- [Bug#27861](#) (Can't compile a client application: unresolved external symbols): Fixed in [5.1.22](#)
- [Bug#27894](#) (mysqlbinlog formats timestamp wrong in comment): Fixed in [5.1.23](#)
- [Bug#27898](#) (UPDATEXML Crashes the Server!): Fixed in [5.1.20](#)
- [Bug#27927](#) (Partition pruning not optimal with TO_DAYS function): Fixed in [5.1.23](#)

- [Bug#27932](#) (Comparing return value of LOCATE() to NULL fails): Fixed in [5.1.21](#)
- [Bug#27937](#) (stored procedure + union + rand = crashed server): Fixed in [5.1.19](#)
- [Bug#27998](#) (mysqld crashed when executing INSERT DELAYED on a BLACKHOLE table): Fixed in [5.1.19](#)
- [Bug#28075](#) (COM_DEBUG crashes mysqld): Fixed in [5.1.20](#)
- [Bug#28184](#) (min() and max() macro defines in my_global.h conflict with c++ headers): Fixed in [5.1.23](#)
- [Bug#28253](#) (ndb_size.pl: cannot set socket): Fixed in [5.1.22-ndb-6.2.5](#), [5.1.23](#)
- [Bug#28269](#) (FEDERATED engine fails to quote reserved words for field names): Fixed in [5.1.24](#)
- [Bug#28309](#) (First insert violates unique constraint - was "memory" table empty?): Fixed in [5.1.20](#)
- [Bug#28360](#) (RENAME DATABASE destroys routines): Fixed in [5.1.23](#)
- [Bug#28427](#) (ALTER TABLE MODIFY COLUMN ... AFTER re-orders column names but not data): Fixed in [5.1.20](#)
- [Bug#28477](#) (innodb assertion and crash during alter table to add/drop partitions): Fixed in [5.1.20](#)
- [Bug#28479](#) (--skip-password causes problems for mysqlbinlog): Fixed in [5.1.36](#)
- [Bug#28846](#) (Use of undocumented Prepared Statements crashes server): Fixed in [5.1.21](#)
- [Bug#29294](#) (Special characters and SELECT INTO OUTFILE/LOAD DATA INFILE): Fixed in [5.1.21](#)
- [Bug#29477](#) (VIEW-s insertability): Fixed in [5.1.23-ndb-6.2.14](#), [5.1.24](#)
- [Bug#29687](#) (mysql_stmt_store_result memory leak in libmysqld): Fixed in [5.1.21](#)
- [Bug#30665](#) (Inconsistent optimization of IGNORE INDEX FOR {ORDER BY|GROUP BY}): Fixed in [5.1.23](#)

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- [Bug#17654](#) (mysqlbinlog: --read-from-remote-server causes core): Fixed in [5.1.20](#)
- [Bug#22855](#) (Optimizer doesn't rewrite NOT IN subselects to a correlated subquery): Fixed in [5.1.20](#)
- [Bug#25853](#) (key_cache_block_size=4MB causes table corruptions + duplicate key errors): Fixed in [5.1.20](#)
- [Bug#27040](#) (Incorrect FTS parser name output): Fixed in [5.1.23](#)
- [Bug#27404](#) (util thd mysql_parse sig11 when mysqld default multibyte charset): Fixed in [5.1.21](#)
- [Bug#27406](#) (Events: failure only causes a warning): Fixed in [5.1.21](#)
- [Bug#27407](#) (Events: altering changes 'on completion preserve'): Fixed in [5.1.23](#)
- [Bug#27420](#) (A combination of PS and view operations cause error + assertion on shutdown): Fixed in [5.1.25](#)
- [Bug#27430](#) (Crash in subquery code when in PS and table DDL changed after PREPARE): Fixed in [5.1.25](#)
- [Bug#27571](#) (asynchronosity in setting mysql_`query`::error and Query_log_event::error_code): Fixed in [5.1.23](#)
- [Bug#27583](#) (slave sql fails to read from iocache when slave got stopped at pos==4): Fixed in [5.1.18](#)
- [Bug#27638](#) (slow logging to CSV table inserts bad query_time and lock_time values): Fixed in [5.1.18](#)
- [Bug#27684](#) (SHOW ENGINES and I_S.ENGINES output not the same): Fixed in [5.1.20](#)
- [Bug#27690](#) (Re-execution of prepared statement after table was replaced with a view crashes): Fixed in [5.1.25](#)
- [Bug#27710](#) (Creating unique index fails during single user mode): Fixed in [5.1.18](#)
- [Bug#27712](#) (Single user mode. Creating logfile group and tablespace is allowed): Fixed in [5.1.18](#)
- [Bug#27816](#) (Log tables ran with partitions crashes the server when logging is enabled.): Fixed in [5.1.20](#)

- [Bug#27857](#) (Log tables supplies the wrong value for generating AUTO_INCREMENT numbers): Fixed in [5.1.20](#)
- [Bug#27858](#) (Failing to log to a log table doesn't log anything to error log.): Fixed in [5.1.23](#)
- [Bug#27870](#) (join and subselect crash server): Fixed in [5.1.18](#)
- [Bug#27898](#) (UPDATEXML Crashes the Server!): Fixed in [5.1.20](#)
- [Bug#27942](#) (node failure during massive insert): Fixed in [5.1.15-ndb-6.1.8](#), [5.1.19](#)
- [Bug#28005](#) (Partitions: can't use -9223372036854775808): Fixed in [5.1.19](#)
- [Bug#28007](#) (Wrong default value for I_S.PARTITIONS.PARTITION_COMMENT): Fixed in [5.1.20](#)
- [Bug#28138](#) (indexing column prefixes produces corruption in InnoDB): Fixed in [5.1.21](#)
- [Bug#28189](#) (optimizer issue on Innodb tables): Fixed in [5.1.19](#)
- [Bug#28253](#) (ndb_size.pl: cannot set socket): Fixed in [5.1.22-ndb-6.2.5](#), [5.1.23](#)
- [Bug#28284](#) (Test "mysqslap" reports "out of memory"): Fixed in [5.1.23](#)
- [Bug#28521](#) (Upgrade from 5.1.17 to 5.1.18 breaks events): Fixed in [5.1.20](#)
- [Bug#28550](#) (Potential bugs related to the return type of the CHAR function): Fixed in [5.1.23](#)
- [Bug#28551](#) (The warning 'No database selected' is reported when calling stored procedures): Fixed in [5.1.21](#)
- [Bug#28560](#) (mysql_upgrade test links /usr/local/mysql/lib libraries): Fixed in [5.1.23](#)
- [Bug#28580](#) (Repeataion of status variables): Fixed in [5.1.20](#)
- [Bug#28585](#) (mysql_install_db fails): Fixed in [5.1.21](#)
- [Bug#28597](#) (Replication doesn't start after upgrading to 5.1.18): Fixed in [5.1.23](#)
- [Bug#28628](#) (Config Wizard can't connect (race condition)): Fixed in [5.1.23](#)
- [Bug#28642](#) (Tablespace returning incorrect usage status): Fixed in [5.1.19-ndb-6.2.4](#), [5.1.21](#), [5.1.15-ndb-6.1.18](#)
- [Bug#28720](#) (Disk data meta information is not visible in mysqld but exists in ndbd): Fixed in [5.1.19-ndb-6.2.4](#), [5.1.21](#), [5.1.15-ndb-6.1.18](#)
- [Bug#28763](#) (UNION involving GEOMETRY fields crashes server): Fixed in [5.1.20](#)
- [Bug#28806](#) (Running SHOW TABLE STATUS during high INSERT load crashes server): Fixed in [5.1.20](#)
- [Bug#28847](#) (ndb_mgm hangs when connected to none existing host): Fixed in [5.1.20](#)
- [Bug#29182](#) (MyISAMCHK reports wrong character set): Fixed in [5.1.24](#)
- [Bug#29185](#) (Large IN list crashes mysqld with cluster and condition pushdown): Fixed in [5.1.19-ndb-6.2.3](#), [5.1.20](#)
- [Bug#29275](#) (Messages from ndb_mgm are misleading / incorrect): Fixed in [5.1.30-ndb-6.4.0](#), [5.1.30-ndb-6.3.20](#)
- [Bug#29904](#) (Cluster replication breaks on large VARCHAR fields): Fixed in [5.1.22-ndb-6.2.5](#)
- [Bug#30261](#) ("mysqld --help" no longer possible for root): Fixed in [5.1.33](#)
- [Bug#32662](#) (Misleading error message when trying to create already existing tablespace): Fixed in [5.1.32-ndb-6.4.3](#), [5.1.32-ndb-6.3.23](#), [5.1.32-ndb-6.2.17](#)

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- [Bug#20129](#) (ALTER TABLE ... REPAIR PARTITION ... complains that partition is corrupt): Fixed in [5.1.24](#), [5.1.27](#)
- [Bug#28333](#) (Test "flush" tries to create a new thread - on only one platform): Fixed in [5.1.20](#)
- [Bug#28375](#) (mysqld crash with subselect and null values): Fixed in [5.1.19](#)

- [Bug#28415](#) (Some ALTER TABLE statements no longer work under LOCK TABLES): Fixed in [5.1.19](#)
- [Bug#28430](#) (Failure in replication of innodb partitioned tables on row/mixed format): Fixed in [5.1.23](#)
- [Bug#28449](#) (Server crashes on closing a temporary table after SELECT ... GROUP BY): Fixed in [5.1.20](#)
- [Bug#28477](#) (innodb assertion and crash during alter table to add/drop partitions): Fixed in [5.1.20](#)
- [Bug#28488](#) (Incorrect information in file: './test/t1_test#.frm'): Fixed in [5.1.20](#)
- [Bug#28525](#) (Node failures in PGMAN at ndbrequire (line 430)): Fixed in 5.1.15-ndb-6.1.10, 5.1.19-ndb-6.2.3, [5.1.20](#)
- [Bug#28563](#) (Test suite "jp" fails completely): Fixed in [5.1.25](#)
- [Bug#28574](#) (repair table causes queries to fail with various corruption errors: 126,134,145): Fixed in [5.1.20](#)
- [Bug#28587](#) (SELECT is blocked by INSERT waiting on read lock, even with low_priority_updates): Fixed in [5.1.23](#)
- [Bug#28598](#) (mysqld crash when killing a long-running explain query): Fixed in [5.1.20](#)
- [Bug#28600](#) (Yen sign and overline ujis conversion change): Fixed in [5.1.20](#)
- [Bug#28631](#) (Bit index creation failure after alter): Fixed in [5.1.20](#)
- [Bug#28641](#) (CREATE EVENT with '2038.01.18 03:00:00' let server crash.): Fixed in [5.1.21](#)
- [Bug#28666](#) (CREATE EVENT ... EVERY 0 SECOND let server crash): Fixed in [5.1.20](#)
- [Bug#28687](#) (Search fails on '0000-00-00' date after sql_mode change): Fixed in [5.1.23](#)
- [Bug#28754](#) (RPM builds differ from tar.gz in "ALTER ... RENAME" on views): Fixed in [5.1.20](#)
- [Bug#28873](#) (ALTER EVENT let server crash.): Fixed in [5.1.21](#)
- [Bug#28881](#) (Adding an INTERVAL to an EVENT let the server crash.): Fixed in [5.1.21](#)
- [Bug#28924](#) (If I drop the user who is the definer of an active event then server cores.): Fixed in [5.1.21](#)
- [Bug#28953](#) (Using events in a replication let the slave crash.): Fixed in [5.1.20](#)
- [Bug#29063](#) (mgmapi: connect timeout set incorrectly): Fixed in 5.1.19-ndb-6.2.3, [5.1.20](#)
- [Bug#29103](#) (ndb_restore segfaults on NULL var[char|binary]): Fixed in 5.1.19-ndb-6.2.3, [5.1.20](#)
- [Bug#29338](#) (View don't support DETERMINISTIC function): Fixed in [5.1.21](#)
- [Bug#29368](#) (Incorrect error, 1467, for syntax error when creating partition): Fixed in [5.1.23](#)
- [Bug#29494](#) (Field Packet with NULL fields crashes libmysqlclient): Fixed in [5.1.21](#)
- [Bug#29555](#) (INcorrect comparison of casted time values): Fixed in [5.1.21](#)
- [Bug#29562](#) (default collation of ucs2_unicode_ci crashes slave): Fixed in 5.1.23-ndb-6.2.14, [5.1.24](#)
- [Bug#29574](#) (API Test for 29501 with undo file = (5*1024) cause Nbdb FS inconsistency (lgman)): Fixed in 5.1.34-ndb-6.2.18, 5.1.32-ndb-7.0.4, 5.1.32-ndb-6.3.24
- [Bug#30459](#) (Partitioning across disks failing on Windows Server (64-bit)): Fixed in [5.1.24](#)

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- [Bug#28570](#) (handler::index_read() is called with different find_flag when ORDER BY is used): Fixed in [5.1.22](#)
- [Bug#28720](#) (Disk data meta information is not visible in mysqld but exists in ndbd): Fixed in 5.1.19-ndb-6.2.4, [5.1.21](#), 5.1.15-ndb-6.1.18
- [Bug#28728](#) (server crash with EXPLAIN EXTENDED .. and subqueries): Fixed in [5.1.20](#)
- [Bug#28729](#) (Blank not found in indexed enum column): Fixed in [5.1.20](#)

- [Bug#28812](#) (rpl_ssl fails due to assert in extra/yassl/src/socket_wrapper.cpp:117): Fixed in [5.1.23](#)
- [Bug#28971](#) (ALTER TABLE followed by UPDATE for a CSV table make server crash): Fixed in [5.1.21](#)
- [Bug#29020](#) (Event results not correctly replicated to slave in RBR): Fixed in [5.1.24](#)
- [Bug#29104](#) (crash when selecting from a view): Fixed in [5.1.21](#)
- [Bug#29133](#) (mysqld does not exit during shutdown): Fixed in [5.1.21](#)
- [Bug#29153](#) (SHOW and INFORMATION_SCHEMA commands increment Created_tmp_disk_tables): Fixed in [5.1.31](#)
- [Bug#29156](#) (events crash server in test suite): Fixed in [5.1.21](#)
- [Bug#29252](#) (Assertion '!table-<file || table-<file-<inited == handler::NONE' failed.): Fixed in [5.1.21](#)
- [Bug#29253](#) (csv table reportedly marked as crashed): Fixed in [5.1.21](#)
- [Bug#29258](#) (Partitions: search fails for maximum unsigned bigint): Fixed in [5.1.23](#)
- [Bug#29261](#) (repeatable innodb and myisam corruption): Fixed in [5.1.21](#)
- [Bug#29308](#) (documentation of disallowed functions in partition): Fixed in [5.1.21](#)
- [Bug#29325](#) (create table overwrites .MYD file of other table (datadir)): Fixed in [5.1.23](#)
- [Bug#29333](#) (myisam corruption with character set cp932 collate cp932_japanese_ci): Fixed in [5.1.21](#)
- [Bug#29415](#) (cast as decimal does allow out of range specification): Fixed in [5.1.21](#)
- [Bug#29417](#) (debug asser on decimal): Fixed in [5.1.21](#)
- [Bug#29420](#) (crash with show and purge binlogs): Fixed in [5.1.21](#)
- [Bug#29444](#) (crash with partition referring to table in create-select): Fixed in [5.1.23](#)
- [Bug#29610](#) (func_group fails with lost connection): Fixed in [5.1.21](#)
- [Bug#29634](#) (mysqld_safe does not set err_log variable, error log file is not created): Fixed in [5.1.21](#)
- [Bug#29658](#) (wrong test for static nss checking on linux, doesn't cover all platforms): Fixed in [5.1.23](#)
- [Bug#29687](#) (mysql_stmt_store_result memory leak in libmysqld): Fixed in [5.1.21](#)
- [Bug#29938](#) (wrong behavior of mysqldump --skip-events): Fixed in [5.1.23](#)
- [Bug#29980](#) (5.1.20 ate my table): Fixed in [5.1.21](#)
- [Bug#29992](#) (syslog error logging does not flush): Fixed in [5.1.21](#)
- [Bug#30000](#) (SHOW commands once again ends up in the slow query log): Fixed in [5.1.21](#)
- [Bug#30385](#) (Server crash when deleting with order by and limit): Fixed in [5.1.23](#)
- [Bug#30417](#) (Cluster misbehaves on auto-inc w/o PK): Fixed in [5.1.23-ndb-6.2.11](#), [5.1.23-ndb-6.3.8](#)
- [Bug#30671](#) (ALTER SERVER causes the Server to crash.): Fixed in [5.1.23](#)
- [Bug#31210](#) (INSERT DELAYED crashes server when used on partitioned table): Fixed in [5.1.23](#)
- [Bug#31310](#) (Locked rows silently skipped in read-committed isolation level): Fixed in [5.1.23](#)
- [Bug#31794](#) (no syntax error on SELECT id FROM t HAVING count(*)<2;): Fixed in [5.1.23](#)

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- [Bug#28628](#) (Config Wizard can't connect (race condition)): Fixed in [5.1.23](#)
- [Bug#29417](#) (debug asser on decimal): Fixed in [5.1.21](#)

- [Bug#29458](#) (check/optimize/repair/analyze table reports 'corrupt' unnessesarily): Fixed in [5.1.33](#)
- [Bug#29461](#) (corruption with character set macce collate macce_bin): Fixed in [5.1.21](#)
- [Bug#29464](#) (load data infile into table with big5 chinese fulltext index hangs 100% cpu): Fixed in [5.1.21](#)
- [Bug#29549](#) (Endians: rpl_ndb_myisam2ndb,rpl_ndb_innodb2ndb and rpl_ndb_mix_innodb failed on): Fixed in [5.1.23](#)
- [Bug#29692](#) (Single row inserts can incorrectly report a huge number of row insertions): Fixed in [5.1.21](#)
- [Bug#29908](#) (alter view keeps current definer, user can gain additioanl access): Fixed in [5.1.23](#)
- [Bug#29957](#) (alter_table.test fails): Fixed in [5.1.21](#)
- [Bug#30029](#) (mysql_upgrade fails for 5.0 -< 5.1.21, 5.1.20 -< 5.1.21 upgrades): Fixed in [5.1.21](#)
- [Bug#30036](#) (SHOW TABLE TYPES causes the debug client to crash): Fixed in [5.1.21](#)
- [Bug#30123](#) (mysqldump from 5.1.21 doesn't work with 5.1.20 & earlier servers): Fixed in [5.1.22](#)
- [Bug#30129](#) (mysql_install_db appears to run normally, but the databases are not created): Fixed in [5.1.28](#)
- [Bug#30201](#) (crash with query cache when killing a select): Fixed in [5.1.22](#)
- [Bug#30217](#) (Views: changes in metadata behaviour between 5.0 and 5.1): Fixed in [5.1.24](#)
- [Bug#30244](#) (row_count/found_rows does not replicate well): Fixed in [5.1.23](#)
- [Bug#30275](#) (Merge tables: flush tables or unlock tables causes server to crash): Fixed in [5.1.23](#)
- [Bug#30286](#) (spatial index cause corruption and server crash!): Fixed in [5.1.23](#)
- [Bug#30315](#) (Character sets: insertion of euckr code value 0xa141 fails): Fixed in [5.1.23](#)
- [Bug#30624](#) (Syntax error in mysqld_safe script): Fixed in [5.1.22-ndb-6.3.4](#), [5.1.23](#), [5.1.22-ndb-6.2.7](#)
- [Bug#30678](#) (server can't detect/find language file): Fixed in [5.1.22](#)
- [Bug#30759](#) (mysql_install_db fails to set \$extra_bindir properly in all cases.): Fixed in [5.1.23](#)
- [Bug#30763](#) (Multi-table UPDATE with transaction + non-transactional table assertion failure): Fixed in [5.1.23](#)
- [Bug#30823](#) (Error in manifest prevents MySQLInstanceConfig from running on Windows Vista): Fixed in [5.1.24](#)
- [Bug#30832](#) (Assertion + crash with select name_const('test',now())): Fixed in [5.1.23](#)
- [Bug#31113](#) (mysqldump 5.1 can't handle a dash ("-") in database names): Fixed in [5.1.23](#)
- [Bug#31418](#) (User locks misfunctioning after mysql_change_user()): Fixed in [5.1.23](#)
- [Bug#31754](#) (ndb_mgm -e "start backup wait started" does not display output on stdout): Fixed in [5.1.32-ndb-7.0.5](#)
- [Bug#38848](#) (myisam_use_mmap causes widespread myisam corruption on windows): Fixed in [5.1.35](#)

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- [Bug#26489](#) (Corruption in relay logs): Fixed in [5.1.23-ndb-6.2.14](#), [5.1.24](#)
- [Bug#26921](#) (Problem in mysql_insert_id() Embedded C API function): Fixed in [5.1.23](#)
- [Bug#27732](#) (Possible memory leak with index_merge): Fixed in [5.1.24](#)
- [Bug#28317](#) (Left Outer Join with {oj outer-join}): Fixed in [5.1.23-ndb-6.2.14](#), [5.1.24](#)
- [Bug#28544](#) (Incorrect shared library install name): Fixed in [5.1.21](#)
- [Bug#30273](#) (merge tables: Can't lock file (errno: 155)): Fixed in [5.1.23](#)
- [Bug#30284](#) (spatial key corruption): Fixed in [5.1.23](#)

- [Bug#30389](#) (connection_id() always return 0 in embedded server): Fixed in [5.1.22](#)
- [Bug#30396](#) (memory overrun during EXPLAIN EXTENDED): Fixed in [5.1.22](#)
- [Bug#30472](#) (libmysql doesn't reset charset, insert_id after succ. mysql_change_user() call): Fixed in [5.1.23](#)
- [Bug#30484](#) (Partitions: crash with self-referencing trigger): Fixed in [5.1.23](#)
- [Bug#30573](#) (Ordered range scan over partitioned tables returns some rows twice): Fixed in [5.1.29](#)
- [Bug#30583](#) (Partition on DOUBLE key + INNODB + count(*) == crash): Fixed in [5.1.23](#)
- [Bug#30590](#) (delete from memory table with composite btree primary key): Fixed in [5.1.23](#)
- [Bug#30674](#) (Update without all blob/text columns in master table causes slave to fail): Fixed in [5.1.23-ndb-6.3.7](#), [5.1.22-ndb-6.2.9](#)
- [Bug#30790](#) (Suspicious code in rpl_utility.cc): Fixed in [5.1.23](#)
- [Bug#30996](#) (NDB commits too early when LOCK TABLE & SET AUTOCOMMIT=OFF are used together): Fixed in [5.1.22-ndb-6.3.4](#), [5.1.23](#), [5.1.22-ndb-6.2.7](#)
- [Bug#31001](#) (ORDER BY DESC in InnoDB not working): Fixed in [5.1.22](#)
- [Bug#31076](#) (Server crashes when start slave is issued): Fixed in [5.1.22](#)
- [Bug#31174](#) ("Repair" command on MyISAM crashes with small myisam_sort_buffer_size): Fixed in [5.1.23](#)
- [Bug#31239](#) (Test "ndb_views" returns NDB error 4259 "Invalid set of range scan bounds"): Fixed in [5.1.24-ndb-6.2.16](#), [5.1.24-ndb-6.3.13](#)
- [Bug#31310](#) (Locked rows silently skipped in read-committed isolation level): Fixed in [5.1.23](#)
- [Bug#31315](#) (mysql_install_db fails if a default table type of NDB is set in my.cnf): Fixed in [5.1.28](#)
- [Bug#31331](#) (MyISAM or Merge Table upgrade incompatibility with 5.1): Fixed in [5.1.24](#)
- [Bug#31381](#) (Error in retrieving Data from INFORMATION_SCHEMA): Fixed in [5.1.23](#)
- [Bug#31414](#) (MySQL Cluster 5.1 Row size too large): Fixed in [5.1.23](#)
- [Bug#31435](#) (ha_innodb.cc:3983: ulint convert_search_mode_to_innobase(ha_rkey_function): Asse): Fixed in [5.1.33](#)
- [Bug#31450](#) (Query causes error 1048): Fixed in [5.1.23](#)
- [Bug#31473](#) (CSV engine does not work with NULL value in datetime fields): Fixed in [5.1.23](#)
- [Bug#31482](#) (Cluster table with blob field fails if too many result rows are to be returned): Fixed in [5.1.22-ndb-6.3.5](#), [5.1.23](#)
- [Bug#31484](#) (Cluster LOST_EVENTS entry not added to binlog on mysqld restart.): Fixed in [5.1.22-ndb-6.3.6](#), [5.1.22-ndb-6.2.8](#), [5.1.23](#)
- [Bug#31539](#) (ALTER EVENT RENAME TO... resets STATUS to 'ENAMLE'): Fixed in [5.1.23](#)
- [Bug#31540](#) (incorrect auto_increment values used for multi-row insert trigger): Fixed in [5.1.23](#)
- [Bug#31552](#) (Replication breaks when deleting rows from out-of-sync table without PK): Fixed in [5.1.23-ndb-6.2.14](#), [5.1.24](#)
- [Bug#31581](#) (5.1-telco-6.1 -< 5.1.22. Slave crashes during starting): Fixed in [5.1.23-ndb-6.2.14](#), [5.1.24](#)
- [Bug#31583](#) (5.1-telco-6.1 -< 5.1.22. Slave returns Error in unknown event): Fixed in [5.1.23-ndb-6.2.14](#), [5.1.24](#)
- [Bug#31633](#) (Information schema = NULL queries crash the server): Fixed in [5.1.23](#)
- [Bug#31674](#) (service doesn't start after upd 5.1.19 to 5.1.22 because mysqld-nt.exe renamed): Fixed in [5.1.24](#)
- [Bug#31690](#) (Online Upgrading to CGE 6.2.6/7 and 6.3.4 failing): Fixed in [5.1.22-ndb-6.3.6](#), [5.1.22-ndb-6.2.8](#)
- [Bug#31702](#) (Missing row on slave causes assertion failure under row-based replication): Fixed in [5.1.23](#)
- [Bug#31736](#) (Default Plugin dir changed??): Fixed in [5.1.24](#)

- [Bug#31769](#) (Create a log/data file with long name will crash ndbd): Fixed in 5.1.32-ndb-6.3.23, 5.1.32-ndb-6.4.3, 5.1.32-ndb-6.2.17
- [Bug#31770](#) (Can't drop a data file with long name): Fixed in 5.1.32-ndb-6.3.23, 5.1.32-ndb-6.4.3, 5.1.32-ndb-6.2.17
- [Bug#31772](#) (Select statement got warning after add a long name log/data file): Fixed in 5.1.32-ndb-6.3.23, 5.1.32-ndb-6.4.3, 5.1.32-ndb-6.2.17
- [Bug#31866](#) (MySQL Server crashes on SHOW CREATE TRIGGER statement): Fixed in [5.1.23](#)
- [Bug#32051](#) (UNION within EXISTS returns incorrect result): Fixed in [5.1.23](#)
- [Bug#32077](#) (mysqslap is not in the package MySQL-client-community-5.1.22-0.rhel5): Fixed in [5.1.23](#)
- [Bug#32221](#) (bug25714, mytest, mysql_client_test complaints and crashes): Fixed in [5.1.23](#)
- [Bug#32241](#) (memory corruption due to large index map in 'Range checked for each record'): Fixed in [5.1.23](#)
- [Bug#32268](#) (Indexed queries give bogus MIN and MAX results): Fixed in [5.1.23](#)
- [Bug#32282](#) (TEXT silently truncates when value is exactly 65536 bytes): Fixed in [5.1.23](#)
- [Bug#32436](#) (KILL QUERY completely deadlocks mysqld): Fixed in [5.1.23](#)
- [Bug#32440](#) (InnoDB free space info does not appear in SHOW TABLE STATUS or I_S): Fixed in 5.1.13-ndb-6.3.11, [5.1.24](#)
- [Bug#32482](#) (crash with GROUP BY alias_of_user_variable WITH ROLLUP): Fixed in [5.1.23](#)
- [Bug#32624](#) (Error with multi queries in MySQL Embedded Server 5.1.22): Fixed in [5.1.23](#)
- [Bug#32662](#) (Misleading error message when trying to create already existing tablespace): Fixed in 5.1.32-ndb-6.4.3, 5.1.32-ndb-6.3.23, 5.1.32-ndb-6.2.17
- [Bug#32670](#) (Altering table with 75% free data memory reports table full): Fixed in 5.1.23-ndb-6.3.7, 5.1.23-ndb-6.2.10
- [Bug#32694](#) (NOT NULL table field in a subquery produces invalid results): Fixed in [5.1.23](#)
- [Bug#32775](#) (problems with SHOW EVENTS and Information_Schema): Fixed in [5.1.23](#)
- [Bug#32797](#) (mysql.server table doesn't exist on windows and gives error in event viewer): Fixed in [5.1.25](#)
- [Bug#32831](#) (libmysql should be built with all charsets): Fixed in [5.1.32](#)
- [Bug#32880](#) (Repairing Archive table fails with internal error 144): Fixed in [5.1.34](#)
- [Bug#33029](#) (5.0 to 5.1 replication fails on dup key when inserting using a trig in SP): Fixed in [5.1.24](#)
- [Bug#33065](#) (Mysql not writing general query logs after sending SIGHUP): Fixed in [5.1.24](#)
- [Bug#33067](#) (Update of CSV row incorrect for some BLOBs.): Fixed in [5.1.24](#)
- [Bug#33094](#) (Error in upgrading from 5.0 to 5.1 when table contains triggers): Fixed in [5.1.31](#)
- [Bug#33159](#) (mysqld down when create mysql.ndb_replication with addition PRIMARY KEY): Fixed in 5.1.23-ndb-6.3.7
- [Bug#33222](#) (myisam-table drops rows when column is added and a char-field < 128 exists): Fixed in [5.1.24](#)
- [Bug#33349](#) (possible race condition revolving around data dictionary and repartitioning): Fixed in [5.1.24](#)
- [Bug#33389](#) (Selecting from a view into a table from within SP or trigger crashes server): Fixed in [5.1.24](#)
- [Bug#33429](#) (Inndob innodb_file_per_table drop and add partition -< lost of other partition): Fixed in [5.1.24](#)
- [Bug#33618](#) (Crash in sp_rcontext): Fixed in 5.1.23-ndb-6.2.14, [5.1.24](#)
- [Bug#33619](#) (Cluster Disk Data: sysbench causes ndbd crash using disk data): Fixed in 5.1.23-ndb-6.3.9, 5.1.23-ndb-6.2.12
- [Bug#33685](#) (Unable to Start Mysql: Results in "line xxx: test: too many arguments"): Fixed in [5.1.36](#)
- [Bug#33747](#) (Still more cases where passing a nonexistant column name crashes NDBAPI): Fixed in 5.1.24-ndb-6.2.16, 5.1.24-ndb-6.3.14

- [Bug#33750](#) (buffer overflow on reading a BIT(64) value using NDBAPI): Fixed in 5.1.23-ndb-6.2.11, 5.1.23-ndb-6.3.8
- [Bug#33758](#) (Got query result when using ORDER BY ASC, but empty result when using DESC): Fixed in [5.1.24](#)
- [Bug#34107](#) (Large query ends in wrong results or even segmentation faults): Fixed in 5.1.23-ndb-6.3.9, 5.1.23-ndb-6.2.12
- [Bug#34118](#) (Full Cluster Crash in fireImmediateTriggers (DbtupTrigger.cpp)): Fixed in 5.1.23-ndb-6.3.9, 5.1.23-ndb-6.2.12
- [Bug#34129](#) (mysqldumpslow does not aggregate times): Fixed in [5.1.31](#)
- [Bug#34224](#) (mysql cli /dev/null overwrite): Fixed in [5.1.36](#)
- [Bug#34291](#) (compile-amd64-debug-max-no-ndb missing): Fixed in [5.1.25](#)
- [Bug#34297](#) (MySQL Server crashes when processing large table): Fixed in [5.1.25](#)
- [Bug#34515](#) (Secondary index search results in Empty set): Fixed in 5.1.24-ndb-6.2.16, 5.1.24-ndb-6.3.13
- [Bug#35169](#) (ndb_mgmd reports errors to stdout, not stderr): Fixed in 5.1.24-ndb-6.2.16, 5.1.24-ndb-6.3.13
- [Bug#35392](#) (Delete all statement does not execute properly after few delete statements): Fixed in [5.1.24](#)
- [Bug#35498](#) (Cannot get table test/table1 auto-inccounter value in ::info): Fixed in [5.1.31](#)
- [Bug#35796](#) (SHOW CREATE TABLE and default value for BIT field): Fixed in [5.1.31](#)
- [Bug#36006](#) (Optimizer does table scan for select count(*) w/5.1.22, .23, not 5.0.51, 5.1.11): Fixed in [5.1.25](#)
- [Bug#37627](#) (Killing query with sum(exists()) or avg(exists()) reproducibly crashes server): Fixed in [5.1.28](#)
- [Bug#40953](#) (SELECT query throws "ERROR 1062 (23000): Duplicate entry..." error): Fixed in [5.1.31](#)
- [Bug#43183](#) (ExtractValue() brings result list in missorder): Fixed in [5.1.35](#)

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- [Bug#21854](#) (Problems with CREATE TRIGGER without DEFINER clause in --skip-grant-tables mode): Fixed in [5.1.24](#)
- [Bug#30495](#) (optimize table t1,t2,t3 extended errors): Fixed in [5.1.23](#)
- [Bug#30715](#) (Assertion failed: item_field-<field-<real_maybe_null(), file .\opt_sum.cc, line): Fixed in [5.1.23](#)
- [Bug#30889](#) (filesort and order by with float/numeric crashes server): Fixed in 5.1.23-ndb-6.2.14, [5.1.24](#)
- [Bug#30942](#) (select str_to_date from derived table returns varying results): Fixed in [5.1.23](#)
- [Bug#30955](#) (geomfromtext() crasher): Fixed in [5.1.23](#)
- [Bug#31035](#) (select from function, group by result crasher): Fixed in [5.1.23](#)
- [Bug#31036](#) (Using order by with archive table crashes server): Fixed in [5.1.23](#)
- [Bug#31048](#) (many nested subqueries causes out of memory and crash): Fixed in [5.1.23](#)
- [Bug#31069](#) (crash in 'sounds like'): Fixed in [5.1.23](#)
- [Bug#31070](#) (crash during conversion of charsets): Fixed in [5.1.23](#)
- [Bug#31075](#) (crash in get_func_mm_tree): Fixed in [5.1.23](#)
- [Bug#31081](#) (server crash in regexp function): Fixed in [5.1.23](#)
- [Bug#31095](#) (server crashes with group by null with rollup): Fixed in [5.1.23](#)
- [Bug#31137](#) (Assertion failed: primary_key_no == -1 || primary_key_no == 0, file .\ha_innodb.): Fixed in [5.1.23](#)
- [Bug#31154](#) (field.h:1649: virtual int Field_bit::cmp(const uchar*, const uchar*): Assertion): Fixed in [5.1.23](#)
- [Bug#31155](#) (gis types in union'd select cause crash): Fixed in [5.1.23](#)

- [Bug#31156](#) (mysqld: item_sum.cc:918: virtual bool Item_sum_distinct::setup(THD*): Assertion): Fixed in [5.1.23](#)
- [Bug#31157](#) (crash when select+order by the avg of some field within the group by): Fixed in [5.1.23](#)
- [Bug#31222](#) (com_% global status counters behave randomly with mysql_change_user): Fixed in [5.1.24](#)
- [Bug#31227](#) (memory overrun with decimal (6,6) and zerofill and group_concat.): Fixed in [5.1.23](#)
- [Bug#31253](#) (crash comparing datetime to double): Fixed in [5.1.23](#)
- [Bug#31305](#) (myisam tables crash when they are near capacity): Fixed in [5.1.23](#)
- [Bug#31438](#) (updatexml still crashes): Fixed in [5.1.23](#)
- [Bug#31440](#) ('select 1 regex null' asserts debug server): Fixed in [5.1.23](#)
- [Bug#31471](#) (decimal_bin_size: Assertion `scale <= 0 && precision < 0 && scale <= precision'): Fixed in [5.1.23](#)
- [Bug#31588](#) (buffer overrun when setting variables): Fixed in [5.1.23](#)
- [Bug#31615](#) (crash after set names ucs2 collate xxx): Fixed in [5.1.23](#)
- [Bug#31616](#) (div_precision_increment description looks wrong): Fixed in [5.1.31](#)
- [Bug#31630](#) (debug assert with explain extended select ... from i_s): Fixed in [5.1.23](#)
- [Bug#31692](#) (binlog_killed.test crashes sometimes): Fixed in [5.1.23](#)
- [Bug#31705](#) (Partitions: crash if varchar length < 65530): Fixed in [5.1.23](#)
- [Bug#31742](#) (delete from ... order by function call that causes an error, asserts server): Fixed in [5.1.23](#)
- [Bug#31758](#) (inet_ntoa, oct, crashes server with null + filesort): Fixed in [5.1.23](#)
- [Bug#31793](#) (log event corruption causes crash): Fixed in [5.1.23](#)
- [Bug#31833](#) (ORDER BY leads to wrong result when ARCHIVE, BLOB and table cache is full): Fixed in [5.1.23](#)
- [Bug#31850](#) (Test crashes in "embedded" server): Fixed in [5.1.23](#)
- [Bug#31890](#) (Partitions: ORDER BY DESC not working): Fixed in [5.1.23](#)
- [Bug#31893](#) (Partitions: crash if subpartitions and engine change): Fixed in [5.1.23](#)
- [Bug#31898](#) (16M memory allocations for user variables in stored procedure): Fixed in [5.1.23](#)
- [Bug#31947](#) (Declare with a reserved word succeeded.): Fixed in [5.1.24](#)
- [Bug#32020](#) (loading udfs while --skip-grant-tables is enabled causes out of memory errors): Fixed in [5.1.23](#)
- [Bug#32036](#) (EXISTS within a WHERE clause with a UNION crashes MySQL 5.1.22): Fixed in [5.1.23](#)
- [Bug#32067](#) (Partitions: crash with timestamp column): Fixed in [5.1.23](#)
- [Bug#32078](#) (Excessive warnings: One can only use the --user switch if running as root): Fixed in [5.1.23](#)
- [Bug#32091](#) (Partitions: Security Breach via directory changes): Fixed in [5.1.23](#)
- [Bug#32103](#) (optimizer crash when join on int and mediumint with variable in where clause.): Fixed in [5.1.23](#)
- [Bug#32125](#) (Database crash due to ha_innodb.cc:3896: ulint convert_search_mode_to_innbase): Fixed in [5.1.23](#)
- [Bug#32178](#) (server crash when select from i_s and concurrent partition management): Fixed in [5.1.23](#)
- [Bug#32247](#) (Test reports wrong value of "AUTO_INCREMENT" (on a partitioned InnoDB table)): Fixed in [5.1.23](#)
- [Bug#32260](#) (User variables in query cause server crash): Fixed in [5.1.23](#)
- [Bug#32374](#) (crash with filesort when selecting from federated table and view): Fixed in [5.1.23](#)
- [Bug#32435](#) (DROP DATABASE statement writes changes to mysql.proc table under RBR): Fixed in [5.1.23](#)

- [Bug#32556](#) (assert in "using index for group-by" : is_last_prefix <= 0, file .\opt_range.cc): Fixed in [5.1.23](#)
- [Bug#32558](#) (group by null-returning expression with rollup causes crash): Fixed in [5.1.23](#)
- [Bug#32559](#) (connection hangs on query with name_const): Fixed in [5.1.23](#)
- [Bug#32560](#) (crash with interval function and count(*)): Fixed in [5.1.23](#)
- [Bug#32676](#) (insert delayed crash with wrong column and function specified ..): Fixed in [5.1.23](#)
- [Bug#32705](#) (mysam corruption: Key in wrong position at page 1024 with ucs2_bin): Fixed in [5.1.24](#)
- [Bug#32726](#) (crash with cast in order by clause and cp932 charset): Fixed in [5.1.23](#)
- [Bug#32753](#) (PAD_CHAR_TO_FULL_LENGTH is not documented and interferes with grant tables): Fixed in [5.1.24](#)
- [Bug#32757](#) (hang with sql_mode set when setting some global variables): Fixed in [5.1.24](#)
- [Bug#32772](#) (partition crash 1: enum column and double): Fixed in [5.1.23](#)
- [Bug#32817](#) (though CSV is marked as supported create table is rejected with error 1005.): Fixed in [5.1.23](#)
- [Bug#32890](#) (Crash after repeated create and drop of tables and views): Fixed in [5.1.24](#)
- [Bug#33461](#) (SELECT ... FROM <view< USE INDEX (...) throws an error): Fixed in [5.1.31](#)
- [Bug#33464](#) (DROP FUNCTION caused a crash.): Fixed in [5.1.24](#)
- [Bug#33507](#) (Event scheduler creates more threads than max_connections = user lockout): Fixed in [5.1.24](#)
- [Bug#33626](#) (MySQL clients don't reconnect to Cluster after it was restarted): Fixed in [5.1.31-ndb-6.4.1](#), [5.1.31-ndb-6.3.21](#)
- [Bug#33675](#) (crash with subquery and filesort?): Fixed in [5.1.23](#)
- [Bug#33748](#) (my_getsystemtime, my_micro_time and my_micro_time_and_time broken on windows): Fixed in [5.1.28](#)
- [Bug#33802](#) (ndb_drop table does not release data memory!): Fixed in [5.1.23-ndb-6.3.8](#)
- [Bug#33812](#) (mysql client incorrectly parsing DELIMITER): Fixed in [5.1.31](#), [5.1.26](#)
- [Bug#34102](#) (Creating LOGFILE group crashes cluster): Fixed in [5.1.32-ndb-6.3.23](#), [5.1.32-ndb-6.4.3](#), [5.1.32-ndb-6.2.17](#)
- [Bug#34118](#) (Full Cluster Crash in fireImmediateTriggers (DbtupTrigger.cpp)): Fixed in [5.1.23-ndb-6.3.9](#), [5.1.23-ndb-6.2.12](#)
- [Bug#34208](#) (Wrong select results returned by cluster): Fixed in [5.1.24-ndb-6.2.16](#), [5.1.24-ndb-6.3.13](#)
- [Bug#34297](#) (MySQL Server crashes when processing large table): Fixed in [5.1.25](#)
- [Bug#34300](#) (Tinyblob & tinytext fields corrupted after export/import and alter in 5.1): Fixed in [5.1.24](#)
- [Bug#34337](#) (Server crash when Altering a view using a table name): Fixed in [5.1.24](#)
- [Bug#34395](#) (MyISAM confused with Maria): Fixed in [5.1.24-maria](#)
- [Bug#34655](#) (Compile error): Fixed in [5.1.24](#)
- [Bug#34656](#) (KILL a query = Assertion failed: m_status == DA_ERROR || m_status == DA_OK): Fixed in [5.1.24](#)
- [Bug#34731](#) (highest possible value for INT erroneously filtered by WHERE): Fixed in [5.1.24](#)
- [Bug#34747](#) (crash in debug assertion check after derived table): Fixed in [5.1.24](#)
- [Bug#34749](#) (Server crash when using NAME_CONST() with an aggregate function): Fixed in [5.1.24](#)
- [Bug#34773](#) (query with explain extended and derived table / other table crashes server): Fixed in [5.1.31](#)
- [Bug#34779](#) (crash in checksum table on federated tables with blobs containing nulls): Fixed in [5.1.28](#)
- [Bug#34788](#) (malformed federated connection url is not handled correctly - crashes server !): Fixed in [5.1.24](#)
- [Bug#34789](#) (drop server/create server leaks memory !): Fixed in [5.1.24](#)

- [Bug#34790](#) ('create server' doesn't handle out of memory scenario well enough): Fixed in [5.1.24](#)
- [Bug#34823](#) (fsync() occasionally returns ENOLCK and causes InnoDB to restart mysqld): Fixed in [5.1.24](#)
- [Bug#34825](#) (perror on windows doesn't know about win32 error codes): Fixed in [5.1.31](#)
- [Bug#34920](#) (auto_increment resets to 1 on foreign key creation): Fixed in [5.1.24](#)
- [Bug#34926](#) (false stack corruption warnings maria_open): Fixed in [5.1.25](#)
- [Bug#34928](#) (Confusion by having Primary Key and Index): Fixed in [5.1.24](#)
- [Bug#35108](#) (SELECT FROM REFERENTIAL_CONSTRAINTS crashes): Fixed in [5.1.24](#)
- [Bug#35137](#) (Query crashed mysqld): Fixed in [5.1.24-ndb-6.2.16](#), [5.1.24-ndb-6.3.13](#)
- [Bug#35161](#) (--mysam-recover does not work for partitioned MyISAM tables): Fixed in [5.1.28](#)
- [Bug#35185](#) (SELECT LIKE gives wrong results when ndbcluster engine is used): Fixed in [5.1.24-ndb-6.2.16](#), [5.1.24-ndb-6.3.13](#)
- [Bug#35206](#) (select query result different if the key is indexed or not): Fixed in [5.1.24](#)
- [Bug#35226](#) (RBR event crashes slave): Fixed in [5.1.24](#)
- [Bug#35275](#) (INFORMATION_SCHEMA.TABLES.CREATE_OPTIONS omits KEY_BLOCK_SIZE): Fixed in [5.1.31](#)
- [Bug#35480](#) (BOM detection code crashes mysql CLI with zero-sized input): Fixed in [5.1.26](#)
- [Bug#35515](#) (Aliases of variables in binary log are ignored with NAME_CONST): Fixed in [5.1.35](#)
- [Bug#35573](#) (ndb-cluster-connection-pool not visible in global variables): Fixed in [5.1.24-ndb-6.2.16](#), [5.1.24-ndb-6.3.13](#)
- [Bug#35577](#) (CREATE PROCEDURE causes either crash or syntax error depending on build): Fixed in [5.1.28](#)
- [Bug#35708](#) (SIGABRT after mysql_upgrade and REPAIR table): Fixed in [5.1.24-ndb-6.2.16](#), [5.1.24-ndb-6.3.14](#)
- [Bug#35743](#) (Dynamic plugins fail to load on i5/OS): Fixed in [5.1.29](#)
- [Bug#35745](#) (SELECT COUNT(*) is not correct for some partitioned tables.): Fixed in [5.1.28](#)
- [Bug#35789](#) (wrong datatypes for collation and charset columns in EVENTS, ROUTINES, TRIGGERS): Fixed in [5.1.31](#)
- [Bug#35796](#) (SHOW CREATE TABLE and default value for BIT field): Fixed in [5.1.31](#)
- [Bug#35808](#) (utf8 hungarian collation not part of the utf8 charset?): Fixed in [5.1.28](#)
- [Bug#35843](#) (Slow replication slave when using partitioned myisam table): Fixed in [5.1.29](#)
- [Bug#35844](#) (ORDER BY favours full scan over a faster filesort): Fixed in [5.1.25](#)
- [Bug#35850](#) (Performance regression in 5.1.23/5.1.24): Fixed in [5.1.25](#)
- [Bug#35931](#) (List partition MyISAM table returns erroneous results): Fixed in [5.1.28](#)
- [Bug#35981](#) (ALTER EVENT causes the server to change the PRESERVE option.): Fixed in [5.1.29](#)
- [Bug#36006](#) (Optimizer does table scan for select count(*) w/5.1.22, .23, not 5.0.51, 5.1.11): Fixed in [5.1.25](#)
- [Bug#36391](#) (mysqlbinlog creates invalid charset statements): Fixed in [5.1.32](#)
- [Bug#36658](#) (trigger is deleted when rename table): Fixed in [5.1.27-ndb-6.3.17](#), [5.1.28-ndb-6.2.16](#)
- [Bug#36692](#) (Query cache only works with cluster if AUTOCOMMIT is active): Fixed in [5.1.24-ndb-6.2.16](#), [5.1.24-ndb-6.3.16](#)
- [Bug#37116](#) (Silent failure creating cluster datafile <4gb on 32-bit systems): Fixed in [5.1.32-ndb-6.2.17](#), [5.1.30-ndb-6.3.20](#)
- [Bug#37228](#) (Sever crashes when creating stored procedure with more than 10 IF/ELSEIF): Fixed in [5.1.28](#)
- [Bug#37284](#) (Crash in Field_string::type()): Fixed in [5.1.31](#)
- [Bug#37548](#) (result value erroneously reported being NULL in certain subqueries): Fixed in [5.1.28](#)

- [Bug#37742](#) (HA_EXTRA_KEYREAD flag is set when key contains only prefix of requested column): Fixed in [5.1.31](#)
- [Bug#37788](#) (InnoDB Plugin: AUTO_INCREMENT wrong for compressed tables): Fixed in [5.1.31](#)
- [Bug#37934](#) (Partition pruning doesn't work for all queries in DBT2): Fixed in [5.1.32-ndb-7.0.4](#), [5.1.32-ndb-6.3.24](#)
- [Bug#38231](#) (InnoDB crash in lock_reset_all_on_table() on TRUNCATE + LOCK / UNLOCK): Fixed in [5.1.31](#)
- [Bug#38609](#) (Segfault in Logger::Log causes ndbd to hang indefinitely): Fixed in [5.1.27-ndb-6.3.17](#), [5.1.28-ndb-6.2.16](#)
- [Bug#40536](#) (SELECT is blocked by INSERT DELAYED waiting on upgrading lock, even with low_pri): Fixed in [5.1.32](#)

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- [Bug#31590](#) (incorrect out of memory error and sort aborted messages in logs): Fixed in [5.1.24](#)
- [Bug#32709](#) (Assertion failed: trx_data-<empty(), file log.cc): Fixed in [5.1.29](#)
- [Bug#33049](#) (Assert while running test-as3ap test(mysql-bench suite)): Fixed in [5.1.24](#)
- [Bug#33798](#) (prepared statements improperly handle large unsigned ints): Fixed in [5.1.23-ndb-6.2.14](#), [5.1.24](#)
- [Bug#34053](#) (normal users can enable innodb_monitor logging): Fixed in [5.1.24](#)
- [Bug#34335](#) (InnoDB: Crash with auto_increment bigint): Fixed in [5.1.24](#)
- [Bug#34643](#) (TRUNCATE crash if trigger and foreign key): Fixed in [5.1.24](#)
- [Bug#34789](#) (drop server/create server leaks memory !): Fixed in [5.1.24](#)
- [Bug#35272](#) (@@global.key_buffer_size = 4294967295 let the server crash): Fixed in [5.1.24](#)
- [Bug#35477](#) (sort_union() leaks file descriptors whenever goes over sort_buffer): Fixed in [5.1.28](#)
- [Bug#35616](#) (memory overrun on 64-bit linux on setting large values for keybuffer-size): Fixed in [5.1.28](#)
- [Bug#35732](#) (read-only blocks SELECT statements in InnoDB): Fixed in [5.1.25](#), [5.1.24-ndb-6.3.13](#)
- [Bug#35807](#) (INSTALL PLUGIN replicates row-based, but not stmt-based): Fixed in [5.1.28](#)
- [Bug#35824](#) (mysql_upgrade does not fix scheduler tables when upgrading from 5.1.23 to 5.1.24): Fixed in [5.1.25](#)
- [Bug#35987](#) (crash report on windows doesn't resolve stack traces?): Fixed in [5.1.29](#)
- [Bug#35993](#) (severe memory corruption and crash with multibyte conversion): Fixed in [5.1.25](#)
- [Bug#35997](#) (Event scheduler seems to let the server crash, if it is embedded.): Fixed in [5.1.25](#)
- [Bug#35999](#) (When using the embedded server a wrong error message comes.): Fixed in [5.1.31](#)
- [Bug#36011](#) (server crash with explain extended on query with dependent subqueries): Fixed in [5.1.25](#)
- [Bug#36023](#) (crash/huge memory alloc with max and case when if statement): Fixed in [5.1.25](#)
- [Bug#36044](#) (START BACKUP causes ndb crash with <4096 tables): Fixed in [5.1.24-ndb-6.2.16](#), [5.1.24-ndb-6.3.15](#)
- [Bug#36103](#) (Several installation problems with 5.1.24-rc essentials x64 MSI package): Fixed in [5.1.25](#)
- [Bug#36193](#) (/usr/sbin/mysqld: unknown option '--ndbcluster'): Fixed in [5.1.24](#)
- [Bug#36270](#) (incorrect calculation result - works in 4.1 but not in 5.0 or 5.1): Fixed in [5.1.28](#)
- [Bug#36312](#) (InnoDB DATA_FREE BUG?): Fixed in [5.1.31](#)
- [Bug#36411](#) ("Failed to read auto-increment value from storage engine" in 5.1.24 auto-inc): Fixed in [5.1.31](#)
- [Bug#36443](#) (Server crashes when executing insert when insert trigger on table): Fixed in [5.1.26](#)
- [Bug#36537](#) (Race condition can lead to node crash due to failure in epoll-handling): Fixed in [5.1.24-ndb-6.3.14](#)

- [Bug#36540](#) (CREATE EVENT and ALTER EVENT statements fail with large server_id): Fixed in [5.1.33](#)
- [Bug#36632](#) (Select distinct from a simple view on an InnoDB table returns incorrect results): Fixed in [5.1.28](#)
- [Bug#36718](#) (Hard node crash causes error 701 'System busy with other schema operation'): Fixed in [5.1.30-ndb-6.4.0](#)
- [Bug#36737](#) (having + full text operator crashes mysql): Fixed in [5.1.33](#)
- [Bug#36763](#) (TRUNCATE TABLE fails to replicate when stmt-based binlogging is not supported.): Fixed in [5.1.32](#)
- [Bug#37075](#) (offset of limit clause might be truncated on 32-bits server w/o big tables): Fixed in [5.1.31](#)
- [Bug#37076](#) (TIMESTAMP values not replicated correctly for big-endian machines): Fixed in [5.1.28](#)
- [Bug#37225](#) (nbdb and ndb_mgmd pid file not removed after shutdown): Fixed in [5.1.32-ndb-7.0.5](#)
- [Bug#37313](#) (BINLOG Contains Incorrect server id): Fixed in [5.1.33](#)
- [Bug#37402](#) (Mysql cant read partitioned table with capital letter in the name): Fixed in [5.1.27](#)
- [Bug#37460](#) (Assertion failed: !table-<file || table-<file-<inited == handler::NONE): Fixed in [5.1.31](#)
- [Bug#37516](#) (DELETE using UNIQUE index deletes the wrong row): Fixed in [5.1.24-ndb-6.3.16](#)
- [Bug#37536](#) (Thread scheduling causes performance degradation at low thread count): Fixed in [5.1.29](#)
- [Bug#37662](#) (nested if() inside sum() is parsed in exponential time): Fixed in [5.1.28](#)
- [Bug#38185](#) (ha_innobase::info can hold locks even when called with HA_STATUS_NO_LOCK): Fixed in [5.1.28](#)
- [Bug#38272](#) (timestamps fields incorrectly defaulted on update accross partitions.): Fixed in [5.1.28](#)
- [Bug#38592](#) (ndb_mgmd doesn't start due to epoll error): Fixed in [5.1.27-ndb-6.3.17](#), [5.1.28-ndb-6.2.16](#)
- [Bug#39096](#) (Creating tablespace with high extent size segfaults data nodes): Fixed in [5.1.32-ndb-6.3.23](#), [5.1.32-ndb-6.4.3](#), [5.1.32-ndb-6.2.17](#)
- [Bug#39613](#) (SQL node freeze after DB dropped then recreated from another SQL node): Fixed in [5.1.28-ndb-6.2.16](#), [5.1.28-ndb-6.3.18](#)
- [Bug#40053](#) ('check table .. for upgrade' doesn't detect collation change made in 5.1.24-rc): Fixed in [5.1.30](#)

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- [Bug#33873](#) (Fast ALTER TABLE doesn't work with multibyte character sets): Fixed in [5.1.28](#)
- [Bug#35720](#) (ucs2 + pad_char_to_full_length = failure): Fixed in [5.1.29](#)
- [Bug#35931](#) (List partition MyISAM table returns erroneous results): Fixed in [5.1.28](#)
- [Bug#35986](#) (valgrind warning in DbugParse for empty string in SET GLOBAL DEBUG=): Fixed in [5.1.25](#)
- [Bug#36001](#) (Partitions: spelling and using some error messages): Fixed in [5.1.33](#)
- [Bug#36005](#) (crash in subselect with single row (subselect_single_select_engine::exec)): Fixed in [5.1.25](#)
- [Bug#36006](#) (Optimizer does table scan for select count(*) w/5.1.22, .23, not 5.0.51, 5.1.11): Fixed in [5.1.25](#)
- [Bug#36139](#) (float, zerofill, crash with subquery): Fixed in [5.1.25](#)
- [Bug#36399](#) (Double free bug when INFORMATION_SCHEMA plugin init function fails): Fixed in [5.1.28](#)
- [Bug#36411](#) ("Failed to read auto-increment value from storage engine" in 5.1.24 auto-inc): Fixed in [5.1.31](#)
- [Bug#36434](#) (ha_innodb.so is installed in the wrong directory): Fixed in [5.1.26](#)
- [Bug#37171](#) (ndb_restore --print-data garbles DECIMAL data): Fixed in [5.1.34-ndb-6.2.18](#), [5.1.32-ndb-7.0.5](#), [5.1.34-ndb-6.3.25](#)
- [Bug#37337](#) (Function returns different results): Fixed in [5.1.28](#)

- [Bug#37453](#) (Dropping/creating index on partitioned table with InnoDB Plugin locks table): Fixed in 5.1.29-ndb-6.3.19, 5.1.32-ndb-6.2.17, [5.1.31](#)
- [Bug#37531](#) (After truncate, auto_increment behaves incorrectly for InnoDB): Fixed in [5.1.28](#)
- [Bug#37553](#) (MySQL Error Compare TimeDiff & Time): Fixed in [5.1.31](#)
- [Bug#37631](#) (Incorrect key file for table after upgrading from 5.0 to 5.1): Fixed in [5.1.35](#)
- [Bug#38205](#) (Row-based Replication (RBR) causes inconsistencies: HA_ERR_FOUND_DUPP_KEY): Fixed in [5.1.35](#)
- [Bug#38839](#) (auto increment does not work properly with InnoDB after update): Fixed in [5.1.31](#)
- [Bug#38883](#) (thd_security_context is not thread safe, crashes?): Fixed in [5.1.31](#)
- [Bug#39084](#) (Getting intermittent errors with statement-based binary logging): Fixed in [5.1.31](#)

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- [Bug#24289](#) (Status Variable "Questions" gets wrong values with Stored Routines): Fixed in [5.1.31](#)
- [Bug#33555](#) (Group By Query does not correctly aggregate partitions): Fixed in [5.1.29](#)
- [Bug#34306](#) (Can't make copy of log tables when server binary log is enabled): Fixed in [5.1.29](#)
- [Bug#36443](#) (Server crashes when executing insert when insert trigger on table): Fixed in [5.1.26](#)
- [Bug#36638](#) (mysqld crashes when open file limit is passed and general query log enabled): Fixed in [5.1.28](#)
- [Bug#36751](#) (Segmentation fault in ctype-bin.c:308; Linux 86_64, with-max-indexes=128): Fixed in [5.1.34](#)
- [Bug#37145](#) (Killing a statement doing DDL may log binlog event with error code 1053): Fixed in [5.1.35](#)
- [Bug#37269](#) (parser crash when creating stored procedure): Fixed in [5.1.28](#)
- [Bug#37301](#) (Length and Max_length differ with no obvious reason): Fixed in [5.1.28](#)
- [Bug#37337](#) (Function returns different results): Fixed in [5.1.28](#)
- [Bug#37623](#) (Suffix "-64bit" is duplicated): Fixed in [5.1.26](#)
- [Bug#37631](#) (Incorrect key file for table after upgrading from 5.0 to 5.1): Fixed in [5.1.35](#)
- [Bug#37956](#) (memory leak and / or crash with geometry and prepared statements!): Fixed in [5.1.31](#)
- [Bug#38066](#) (Events log 'note' level messages by default in the error log): Fixed in [5.1.31](#)
- [Bug#38158](#) (mysql client regression, can't read dump files): Fixed in [5.1.27](#)
- [Bug#38227](#) (EXTRACTVALUE doesn't work with DTD declarations): Fixed in [5.1.31](#)
- [Bug#38249](#) (innodb_log_arch_dir still in support files): Fixed in [5.1.33](#)
- [Bug#38272](#) (timestamps fields incorrectly defaulted on update accross partitions.): Fixed in [5.1.28](#)
- [Bug#38291](#) (memory corruption and server crash with view/sp/function): Fixed in [5.1.28](#)
- [Bug#38293](#) (Libmysqld crash in mysql_library_init if language file missing): Fixed in [5.1.31](#)
- [Bug#38469](#) (invalid memory read and/or crash with utf8 text field, stored procedure, uservar): Fixed in [5.1.29](#)
- [Bug#38477](#) (my_pthread_setprio can change dispatch class on Solaris, not just priority): Fixed in [5.1.31](#)
- [Bug#38499](#) (flush tables and multitable table update with derived table cause crash): Fixed in [5.1.29](#)
- [Bug#38522](#) (5 seconds delay when closing application using embedded server): Fixed in [5.1.31](#)
- [Bug#38692](#) (concurrent inserts cause valgrind errors in Query_cache::invalidate): Fixed in [5.1.29](#)
- [Bug#38693](#) (leaked memory with blobs!): Fixed in [5.1.31](#)

- [Bug#38839](#) (auto increment does not work properly with InnoDB after update): Fixed in [5.1.31](#)
- [Bug#38918](#) (selecting from information_schema.columns is disproportionately slow): Fixed in [5.1.31](#)
- [Bug#39069](#) (<row constructor< IN <table-subquery< seriously messed up): Fixed in [5.1.32](#)
- [Bug#39289](#) (libmysqld.a calls exit() upon error): Fixed in [5.1.33](#)
- [Bug#39372](#) ("Smart" ALTER TABLE not so smart after all.): Fixed in [5.1.31](#)
- [Bug#39393](#) (slave-skip-errors does not work when using ROW based replication): Fixed in [5.1.35](#)
- [Bug#39438](#) (Testcase for [Bug#39436](#) crashes on 5.1 in fil_space_get_latch): Fixed in [5.1.31](#)
- [Bug#40013](#) (mixed replication: row based format could lead to stale tmp tables on the slave): Fixed in [5.1.33](#)
- [Bug#40104](#) (regression with table names?): Fixed in [5.1.31](#)
- [Bug#40116](#) (Uncommitted changes are replicated and stay on slave after rollback on master): Fixed in [5.1.31](#)
- [Bug#40321](#) (ha_myisam::info could update rec_per_key incorrectly): Fixed in [5.1.33](#)
- [Bug#40515](#) (Query on a partitioned table does not return 'lock wait timeout exceeded'): Fixed in [5.1.31](#)

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- [Bug#39267](#) (No caching of unique identifiers in PK-less tables): Fixed in [5.1.28-ndb-6.2.16](#), [5.1.28-ndb-6.3.18](#)
- [Bug#39635](#) (mysqld stuck in shutting down cluster binlog thread on wrong command line option): Fixed in [5.1.28-ndb-6.2.16](#), [5.1.28-ndb-6.3.18](#)
- [Bug#39872](#) (mysqld is restarted when execute EXPLAIN ...): Fixed in [5.1.29-ndb-6.3.19](#), [5.1.28-ndb-6.2.16](#)
- [Bug#39955](#) (SELECT on INFORMATION_SCHEMA.GLOBAL_VARIABLES takes too long): Fixed in [5.1.31](#)
- [Bug#40464](#) (MySQL Cluster SQL Node Crashes during sysbench tests): Fixed in [5.1.32-ndb-6.3.23](#), [5.1.32-ndb-6.4.3](#), [5.1.32-ndb-6.2.17](#)

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- [Bug#28323](#) (Server crashed in xid cache operations): Fixed in [5.1.30](#)
- [Bug#35558](#) (Wrong server metadata blows up the client): Fixed in [5.1.31](#)
- [Bug#36638](#) (mysqld crashes when open file limit is passed and general query log enabled): Fixed in [5.1.28](#)
- [Bug#37284](#) (Crash in Field_string::type()): Fixed in [5.1.31](#)
- [Bug#37671](#) (crash on prepared statement + cursor + geometry + too many open files !): Fixed in [5.1.31](#)
- [Bug#37936](#) (ASSERT_COLUMN_MARKED_FOR_WRITE in Field_datetime::store , Field_varstring::store): Fixed in [5.1.31](#)
- [Bug#38083](#) (Error-causing row inserted into partitioned table despite error): Fixed in [5.1.29](#)
- [Bug#38189](#) (innodb_stats_on_metadata missing): Fixed in [5.1.32](#)
- [Bug#38197](#) (Errors in @@init_slave not visible in 'show slave status'): Fixed in [5.1.35](#)
- [Bug#38217](#) (GROUP BY with subquery fails.): Fixed in [5.1.23](#)
- [Bug#38230](#) (Differences between master and slave after UPDATE or DELETE with LIMIT with pk): Fixed in [5.1.31](#)
- [Bug#38231](#) (InnoDB crash in lock_reset_all_on_table() on TRUNCATE + LOCK / UNLOCK): Fixed in [5.1.31](#)
- [Bug#38291](#) (memory corruption and server crash with view/sp/function): Fixed in [5.1.28](#)
- [Bug#38296](#) (low memory crash with many conditions in a query): Fixed in [5.1.28](#)

- [Bug#38469](#) (invalid memory read and/or crash with utf8 text field, stored procedure, uservar): Fixed in [5.1.29](#)
- [Bug#38637](#) (COUNT DISTINCT prevents NULL testing in HAVING clause): Fixed in [5.1.32](#)
- [Bug#38692](#) (concurrent inserts cause valgrind errors in Query_cache::invalidate): Fixed in [5.1.29](#)
- [Bug#38693](#) (leaked memory with blobs!): Fixed in [5.1.31](#)
- [Bug#38701](#) (Crash in String::append when inserting duplicate empty strings an uft8 SET col): Fixed in [5.1.29](#)
- [Bug#38883](#) (thd_security_context is not thread safe, crashes?): Fixed in [5.1.31](#)
- [Bug#39002](#) (crash with insert .. select * from ... on duplicate key update col=default): Fixed in [5.1.29](#)
- [Bug#39084](#) (Getting intermittent errors with statement-based binary logging): Fixed in [5.1.31](#)
- [Bug#39434](#) (ALTER TABLE CHECK/OPTIMIZE/ANALYZE PARTITION work on non-partitioned table): Fixed in [5.1.31](#)
- [Bug#39438](#) (Testcase for [Bug#39436](#) crashes on 5.1 in fil_space_get_latch): Fixed in [5.1.31](#)
- [Bug#39526](#) (sql_mode not retained in binary log for CREATE PROCEDURE): Fixed in [5.1.33](#)
- [Bug#39559](#) (dump of stored procedures / functions with C-style comment can't be read back): Fixed in [5.1.35](#)
- [Bug#39645](#) (Losing size info for VARCHAR/CHAR for disk-data could segfault API apps): Fixed in [5.1.29-ndb-6.3.19](#), [5.1.32-ndb-6.2.17](#)
- [Bug#39656](#) (Behaviour different for agg functions with & without where - ONLY_FULL_GROUP_BY): Fixed in [5.1.31](#)
- [Bug#39701](#) (Mixed binlog format does not switch to row mode on LOAD_FILE): Fixed in [5.1.34](#)
- [Bug#39746](#) (Debug flag breaks struct definition (server crash)): Fixed in [5.1.31](#)
- [Bug#39843](#) (DELETE requires write access to table in subquery in where clause): Fixed in [5.1.33](#)
- [Bug#39953](#) (Triggers are not working properly with multi table updates): Fixed in [5.1.35](#)
- [Bug#40104](#) (regression with table names?): Fixed in [5.1.31](#)
- [Bug#40346](#) (MySQL Cluster 6.3.18 mysqldump result not restorable): Fixed in [5.1.29-ndb-6.3.19](#), [5.1.32-ndb-6.2.17](#)
- [Bug#40845](#) (Win inst shows screens with wrong naming "MySQL Monitoring and Advisory Service"): Fixed in [5.1.32](#)

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- [Bug#39746](#) (Debug flag breaks struct definition (server crash)): Fixed in [5.1.31](#)
- [Bug#40021](#) (Renaming view fails, archived .frm for view is missing after downgrade): Fixed in [5.1.31](#)
- [Bug#40116](#) (Uncommitted changes are replicated and stay on slave after rollback on master): Fixed in [5.1.31](#)
- [Bug#40176](#) (Combination of event, trigger and partitioning breaks auto increment): Fixed in [5.1.31](#)
- [Bug#40360](#) (Binlog related errors with binlog off): Fixed in [5.1.30](#)
- [Bug#40386](#) (Not flushing query cache after truncate): Fixed in [5.1.31](#)
- [Bug#40429](#) (Ignore tables when restoring using ndb_restore): Fixed in [5.1.31-ndb-6.3.22](#), [5.1.32-ndb-6.4.3](#)
- [Bug#40455](#) (calling mgmapi function with NULL handle causes segv): Fixed in [5.1.29-ndb-6.3.19](#), [5.1.32-ndb-6.2.17](#)
- [Bug#40457](#) (not possible to set ndb_optimized_node_selection in session): Fixed in [5.1.29-ndb-6.3.19](#)
- [Bug#40494](#) (MYSQL server crashes on range access with partitioning and order by): Fixed in [5.1.30](#)
- [Bug#40515](#) (Query on a partitioned table does not return 'lock wait timeout exceeded'): Fixed in [5.1.31](#)
- [Bug#40536](#) (SELECT is blocked by INSERT DELAYED waiting on upgrading lock, even with low_pri): Fixed in [5.1.32](#)
- [Bug#40595](#) (Non-matching rows not released with READ-COMMITTED on tables with partitions): Fixed in [5.1.31](#)

- [Bug#40634](#) (table scan temporary table is 4x slower due to mmap instead of caching): Fixed in [5.1.33](#)
- [Bug#40657](#) (assertion with out of range variables and traditional sql_mode): Fixed in [5.1.33](#)
- [Bug#40675](#) (MySQL 5.1 crash with index merge algorithm and Merge tables): Fixed in [5.1.33](#)
- [Bug#40761](#) (LEFT JOIN on inline view crashes server): Fixed in [5.1.31](#)
- [Bug#40770](#) (Server Crash when running with triggers including variable settings (rpl_sys)): Fixed in [5.1.31](#)
- [Bug#40954](#) (Crash in MyISAM index code with concurrency test using partitioned tables): Fixed in [5.1.30-ndb-6.4.0](#), [5.1.32-ndb-6.2.17](#), [5.1.31](#), [5.1.30-ndb-6.3.20](#)
- [Bug#42014](#) (Crash, name_const with collate): Fixed in [5.1.31sp1](#), [5.1.32](#)
- [Bug#42188](#) (crash and/or memory corruption with user variables in trigger): Fixed in [5.1.31sp1](#), [5.1.32](#)

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- [Bug#35498](#) (Cannot get table test/table1 auto-inccounter value in ::info): Fixed in [5.1.31](#)
- [Bug#37575](#) (UCASE fails on monthname and dayname): Fixed in [5.1.31](#)
- [Bug#38187](#) (Error 153 when creating savepoints): Fixed in [5.1.33](#)
- [Bug#38883](#) (thd_security_context is not thread safe, crashes?): Fixed in [5.1.31](#)
- [Bug#39793](#) (Foreign keys not constructed when column has a '#' in a comment or default value): Fixed in [5.1.36](#)
- [Bug#39918](#) (memory (heap) engine crashing with b-tree index and DELETE with seg fault): Fixed in [5.1.36](#)
- [Bug#40176](#) (Combination of event, trigger and partitioning breaks auto increment): Fixed in [5.1.31](#)
- [Bug#40757](#) (server crash after failed plugin/engine initialization): Fixed in [5.1.33](#)
- [Bug#40770](#) (Server Crash when running with triggers including variable settings (rpl_sys)): Fixed in [5.1.31](#)
- [Bug#40845](#) (Win inst shows screens with wrong naming "MySQL Monitoring and Advisory Service"): Fixed in [5.1.32](#)
- [Bug#40954](#) (Crash in MyISAM index code with concurrency test using partitioned tables): Fixed in [5.1.30-ndb-6.4.0](#), [5.1.32-ndb-6.2.17](#), [5.1.31](#), [5.1.30-ndb-6.3.20](#)
- [Bug#41077](#) (Warning contains wrong future version): Fixed in [5.1.33](#)
- [Bug#41079](#) (information_schema.schema_privileges is limited to 7680 records.): Fixed in [5.1.31](#)
- [Bug#41084](#) (full-text index added to custom UCA collation not working): Fixed in [5.1.32](#)
- [Bug#41110](#) (crash with handler command when used concurrently with alter table): Fixed in [5.1.33](#)
- [Bug#41112](#) (crash in mysql_ha_close_table/get_lock_data with alter table): Fixed in [5.1.33](#)
- [Bug#41121](#) ("Statement is not safe to log in statement format" is prints table name only): Fixed in [5.1.32](#)
- [Bug#41268](#) (Help Text for \c is misleading in client command line interface): Fixed in [5.1.34](#)
- [Bug#41348](#) (INSERT INTO tbl SELECT * FROM temp_tbl overwrites locking type of temp table): Fixed in [5.1.31](#)
- [Bug#41370](#) (TIMESTAMP field does not accepts NULL from FROM_UNIXTIME()): Fixed in [5.1.32](#)
- [Bug#41441](#) (repair csv table crashes debug server): Fixed in [5.1.31](#)
- [Bug#41543](#) (Assertion `m_status == DA_ERROR' failed in Diagnostics_area::sql_errno): Fixed in [5.1.31](#)
- [Bug#41577](#) (improper value in example config file): Fixed in [5.1.31](#)
- [Bug#41610](#) (key_infix_len can be overwritten causing some group by queries to return no rows): Fixed in [5.1.33](#)
- [Bug#41725](#) (slave crashes when inserting into temporary table after stop/start slave): Fixed in [5.1.36](#)

- [Bug#41828](#) (mysql_install_db misses mysql options when using --basedir): Fixed in [5.1.32](#)
- [Bug#41868](#) (crash or memory overrun with concat + upper, date_format functions): Fixed in [5.1.32](#)
- [Bug#41883](#) (mysql_zap not working on OS X 10.5.5): Fixed in [5.1.36](#)
- [Bug#41918](#) (Error in sql/mysql.cc using libwrap): Fixed in 5.1.31-ndb-6.4.1
- [Bug#41940](#) (client libraries in 5.1 universal tar are not all universal binaries): Fixed in [5.1.32](#)
- [Bug#41980](#) (SBL, INSERT .. SELECT .. LIMIT = ERROR, even when @@SQL_LOG_BIN is 0 !): Fixed in [5.1.33](#)
- [Bug#42009](#) (SELECT into variable gives different results to direct SELECT): Fixed in [5.1.36](#)
- [Bug#42014](#) (Crash, name_const with collate): Fixed in [5.1.31sp1](#), [5.1.32](#)
- [Bug#42146](#) (DATETIME fractional seconds parse error): Fixed in [5.1.33](#)
- [Bug#42188](#) (crash and/or memory corruption with user variables in trigger): Fixed in [5.1.31sp1](#), [5.1.32](#)
- [Bug#42215](#) (ndb_mgm, incorrect result from 'report MemoryUsage'): Fixed in 5.1.32-ndb-6.4.3
- [Bug#42254](#) (ndbmt crashes with MaxNoOfThreads=8): Fixed in 5.1.31-ndb-6.4.2
- [Bug#42415](#) (UPDATE with LIMIT clause unsafe for statement format even when ORDER BY PK): Fixed in [5.1.36](#)
- [Bug#42495](#) (updatexml: Assertion failed: xpath-<context, file .\item_xmlfunc.cc, line 2507): Fixed in [5.1.31sp1](#), [5.1.32](#)
- [Bug#42502](#) (huge memory leak possible with timezone functions): Fixed in [5.1.34](#)
- [Bug#42567](#) (Invalid GROUP BY error): Fixed in [5.1.33](#)
- [Bug#42675](#) (Dangling pointer leads to a client crash (mysys/my_error.c patch enclosed)): Fixed in [5.1.34](#)
- [Bug#42749](#) (infinite loop writing to row based binlog - processlist shows "freeing items"): Fixed in [5.1.36](#)
- [Bug#42857](#) (Got error 4541 'IndexBound has no bound information' from NDBCLUSTER): Fixed in 5.1.34-ndb-6.2.18, 5.1.32-ndb-7.0.4, 5.1.32-ndb-6.3.24
- [Bug#43835](#) (SHOW VARIABLES does not include 0 for slave_skip_errors): Fixed in [5.1.35](#)
- [Bug#43962](#) ("Packets out of order" calling a SHOW TABLE STATUS): Fixed in [5.1.35](#)
- [Bug#44774](#) (load_file function produces valgrind warnings): Fixed in [5.1.36](#)
- [Bug#44792](#) (valgrind warning when casting from time to time): Fixed in [5.1.36](#)
- [Bug#44796](#) (valgrind: too many my_longlong10_to_str_8bit warnings after uncompressed_length): Fixed in [5.1.36](#)

5.1.31

- [Bug#32880](#) (Repairing Archive table fails with internal error 144): Fixed in [5.1.34](#)
- [Bug#38848](#) (myisam_use_mmap causes widespread myisam corruption on windows): Fixed in [5.1.35](#)
- [Bug#41030](#) (Wrong meta data (incorrect fieldlen)): Fixed in [5.1.33](#)
- [Bug#42014](#) (Crash, name_const with collate): Fixed in [5.1.31sp1](#), [5.1.32](#)
- [Bug#42188](#) (crash and/or memory corruption with user variables in trigger): Fixed in [5.1.31sp1](#), [5.1.32](#)
- [Bug#42354](#) (No error details on error 1304 "BackupRef::SequenceFailure"): Fixed in 5.1.31-ndb-6.3.22, 5.1.31-ndb-6.4.2, 5.1.32-ndb-6.2.17
- [Bug#42419](#) (Server crash with "Pure virtual method called" on two concurrent connections): Fixed in [5.1.33](#)
- [Bug#42524](#) (Function pthread_setschedprio() is defined but seems broken on i5/OS PASE): Fixed in [5.1.31sp1](#), [5.1.32](#)
- [Bug#42563](#) (Message tells me to repair table though Storage Engine doesn't allow me to.): Fixed in [5.1.35](#)

- [Bug#42610](#) (Dynamic plugin broken in 5.1.31): Fixed in 5.1.32-ndb-6.4.3, [5.1.33](#)
- [Bug#42634](#) (% character in query can cause mysqld signal 11 segfault): Fixed in [5.1.32](#)
- [Bug#42675](#) (Dangling pointer leads to a client crash (mysys/my_error.c patch enclosed)): Fixed in [5.1.34](#)
- [Bug#42714](#) (AUTO_INCREMENT errors in 5.1.31): Fixed in [5.1.33](#)
- [Bug#42778](#) (delete order by null global variable causes assertion \filesort.cc, line 797): Fixed in [5.1.36](#)
- [Bug#42857](#) (Got error 4541 'IndexBound has no bound information' from NDBCLUSTER): Fixed in 5.1.34-ndb-6.2.18, 5.1.32-ndb-7.0.4, 5.1.32-ndb-6.3.24
- [Bug#42957](#) (no results from select where .. (col=col and col=col) or ... (false expression)): Fixed in [5.1.34](#)
- [Bug#43022](#) (Please provide my.cnf on OpenSolaris): Fixed in 5.1.24-ndb-6.2.16, 5.1.24-ndb-6.3.15
- [Bug#43153](#) (Version comment is too long): Fixed in [5.1.34](#)
- [Bug#43183](#) (ExtractValue() brings result list in missorder): Fixed in [5.1.35](#)
- [Bug#43203](#) (Overflow from auto incrementing causes server segv): Fixed in [5.1.33](#)
- [Bug#43354](#) (Use key hint can crash server in explain extended query): Fixed in [5.1.33](#)
- [Bug#43432](#) (Union on floats does unnecessary rounding): Fixed in [5.1.35](#)

5.1.32

- [Bug#39320](#) (assert btr/btr0pcur.c line 217 -innodb_locks_unsafe_for_binlog or read committed): Fixed in [5.1.35](#)
- [Bug#41725](#) (slave crashes when inserting into temporary table after stop/start slave): Fixed in [5.1.36](#)
- [Bug#42495](#) (updatexml: Assertion failed: xpath-<context, file \item_xmlfunc.cc, line 2507): Fixed in [5.1.31sp1](#), [5.1.32](#)
- [Bug#42749](#) (infinite loop writing to row based binlog - processlist shows "freeing items"): Fixed in [5.1.36](#)
- [Bug#42790](#) (Test 'main.innodb' fails from "InnoDB: Error: in ALTER TABLE"): Fixed in [5.1.33](#)
- [Bug#42977](#) (RBR logs for rows with more than 250 column results in corrupt binlog.): Fixed in [5.1.34](#)
- [Bug#43153](#) (Version comment is too long): Fixed in [5.1.34](#)
- [Bug#43385](#) (Cannot ALTER DATABASE ... UPGRADE DATA DIRECTORY NAME when Views exist): Fixed in [5.1.35](#)
- [Bug#43612](#) (crash with explain extended, union, order by): Fixed in [5.1.36](#)
- [Bug#43706](#) (libmysqld segfaults when re-intialised): Fixed in [5.1.35](#)
- [Bug#43737](#) (Select query return bad result): Fixed in [5.1.35](#)
- [Bug#43748](#) (crash when non-super user tries to kill the replication threads): Fixed in [5.1.34](#)
- [Bug#43876](#) (mysqld_multi introduces --no-defaults which screws up my system): Fixed in [5.1.35](#)
- [Bug#43940](#) (64-bit windows myisamchk doesn't support key_buffer_size < 4G): Fixed in [5.1.36](#)
- [Bug#43950](#) (myisamchk shows negative value for 'Max keyfile length'): Fixed in [5.1.35](#)
- [Bug#43962](#) ("Packets out of order" calling a SHOW TABLE STATUS): Fixed in [5.1.35](#)
- [Bug#44151](#) (using handler commands on information_schema tables crashes server): Fixed in [5.1.35](#)
- [Bug#44164](#) (TL_WRITE has no description in lock_descriptions[]): Fixed in [5.1.35](#)
- [Bug#44358](#) (valgrind errors with decode() function): Fixed in [5.1.35](#)

5.1.33

- [Bug#28404](#) (Optimizer does not consider index that can be used for ORDER BY): Fixed in [5.1.23](#)
- [Bug#38795](#) (Automatic search depth and nested join's results in server crash): Fixed in [5.1.32](#)
- [Bug#43203](#) (Overflow from auto incrementing causes server segv): Fixed in [5.1.33](#)
- [Bug#43254](#) (SQL_SELECT_LIMIT=0 crashes command line client): Fixed in [5.1.34](#)
- [Bug#43660](#) (SHOW INDEXES/ANALYZE does NOT update cardinality for indexes of InnoDB table): Fixed in [5.1.35](#)
- [Bug#44091](#) (libmysqld gets stuck waiting on mutex on initialization): Fixed in [5.1.35](#)
- [Bug#44151](#) (using handler commands on information_schema tables crashes server): Fixed in [5.1.35](#)
- [Bug#44217](#) (DB2 storage engine is not listed in 5.1.33 changelog): Fixed in [5.1.33](#)
- [Bug#44306](#) (Assertion fail on duplicate key error in 'INSERT ... SELECT' statements): Fixed in [5.1.36](#)

5.1.34

- [Bug#43962](#) ("Packets out of order" calling a SHOW TABLE STATUS): Fixed in [5.1.35](#)
- [Bug#44353](#) (build-v9.bat is missing in source archive): Fixed in [5.1.35](#)
- [Bug#44424](#) (mysqldump doesn't output localized 'completed' time): Fixed in [5.1.36](#)
- [Bug#44736](#) (mysqld_safe's my_which() is broken and doesn't find 'logger'): Fixed in [5.1.36](#)
- [Bug#44743](#) (Join in combination with concat does not always work): Fixed in [5.1.36](#)
- [Bug#44766](#) (valgrind error when using convert() in a subquery): Fixed in [5.1.36](#)
- [Bug#44774](#) (load_file function produces valgrind warnings): Fixed in [5.1.36](#)
- [Bug#44792](#) (valgrind warning when casting from time to time): Fixed in [5.1.36](#)
- [Bug#44796](#) (valgrind: too many my_longlong10_to_str_8bit warnings after uncompressed_length): Fixed in [5.1.36](#)

5.1.35

- [Bug#43612](#) (crash with explain extended, union, order by): Fixed in [5.1.36](#)
- [Bug#44151](#) (using handler commands on information_schema tables crashes server): Fixed in [5.1.35](#)
- [Bug#44358](#) (valgrind errors with decode() function): Fixed in [5.1.35](#)
- [Bug#44365](#) (valgrind warnings with encrypt() function): Fixed in [5.1.35](#)
- [Bug#44367](#) (valgrind warnings with find_in_set() functions): Fixed in [5.1.35](#)
- [Bug#44664](#) (valgrind warning for COMMIT_AND_CHAIN and ROLLBACK_AND_CHAIN): Fixed in [5.1.36](#)
- [Bug#44743](#) (Join in combination with concat does not always work): Fixed in [5.1.36](#)
- [Bug#44766](#) (valgrind error when using convert() in a subquery): Fixed in [5.1.36](#)
- [Bug#44774](#) (load_file function produces valgrind warnings): Fixed in [5.1.36](#)
- [Bug#44792](#) (valgrind warning when casting from time to time): Fixed in [5.1.36](#)
- [Bug#44796](#) (valgrind: too many my_longlong10_to_str_8bit warnings after uncompressed_length): Fixed in [5.1.36](#)

5.1.36

6.3. Bugs Reported and Fixed in 6.0

6.0.0

- [Bug#26475](#) (delete causing crash): Fixed in [6.0.2](#)
- [Bug#27895](#) (Falcon: crash if new database and interleaving transactions): Fixed in [6.0.0](#)
- [Bug#27951](#) (Falcon crashes with insert into..select from): Fixed in [6.0.0](#)
- [Bug#27962](#) (Falcon: lost post-decimal digits): Fixed in [6.0.0](#)
- [Bug#27993](#) (Falcon: crash if rollback while other job is waiting): Fixed in [6.0.0](#)
- [Bug#27997](#) (Falcon: unique violation after select for update): Fixed in [6.0.0](#)
- [Bug#28090](#) (Falcon Concurrent UPDATES leading to assertion): Fixed in [6.0.0](#)
- [Bug#28165](#) (Falcon: hang after select for update): Fixed in [6.0.0](#)
- [Bug#28197](#) (Falcon integer overrun for FALCON_SYSTEM_MEMORY_SUMMARY.TOTAL_SPACE): Fixed in [6.0.2](#)
- [Bug#28628](#) (Config Wizard can't connect (race condition)): Fixed in [6.0.5](#)
- [Bug#28680](#) (Can't open and lock privilege tables: Table 'mysql.servers' doesn't exist): Fixed in [6.0.6](#)
- [Bug#29081](#) (mysqld crash following "LOAD DATA INFILE..." with Falcon): Fixed in [6.0.4](#)
- [Bug#29169](#) (show globals status displays falcon variables): Fixed in [6.0.2](#)
- [Bug#29323](#) (mysql client only accepts ANSI encoded files): Fixed in [6.0.4](#)

6.0.1

- [Bug#28351](#) (Falcon: Crash recovery failure if the crash is during an alter table.): Fixed in [6.0.2](#)
- [Bug#28500](#) (Falcon: searches fail if unique prefixed index): Fixed in [6.0.2](#)
- [Bug#28515](#) (Falcon falcon_bug_22154 hangs on Linux 64-bit.): Fixed in [6.0.2](#)
- [Bug#28519](#) (falcon crash with signal 4): Fixed in [6.0.4](#)
- [Bug#28725](#) (Falcon: crash with decimal): Fixed in [6.0.2](#)
- [Bug#28810](#) (Crash with huge negative decimal for Falcon and CSV): Fixed in [6.0.2](#)
- [Bug#29014](#) (Falcon: accessing INFORMATION_SCHEMA.FALCON_SYSTEM_MEMORY_SUMMARY crashes mysqld): Fixed in [6.0.2](#)
- [Bug#29201](#) (decimal(20, 20) has rounding error): Fixed in [6.0.2](#)
- [Bug#29206](#) (Falcon: Two-way deadlock with unique index): Fixed in [6.0.2](#)
- [Bug#29211](#) (Falcon: information_schema has a falcon_tables view): Fixed in [6.0.7](#)
- [Bug#29240](#) (Falcon: duplicate-key error when there's no duplicate key): Fixed in [6.0.2](#)
- [Bug#29246](#) (Falcon: searches fail if prefix index on latin1_german2_ci column): Fixed in [6.0.9](#)
- [Bug#29319](#) (Falcon: searches fail if multi-column index exists): Fixed in [6.0.2](#)
- [Bug#29452](#) (Falcon: two-way deadlock with unique index and trigger): Fixed in [6.0.4](#)
- [Bug#29459](#) (server died handling latin2 collate latin2_czech_cs): Fixed in [6.0.4](#)
- [Bug#29738](#) (Error message not properly translated to Serbian): Fixed in [6.0.7](#)
- [Bug#29870](#) (Server crashes during sqlbench tests execution): Fixed in [6.0.4](#)
- [Bug#30074](#) (Crash: Insert 2M rows & shutdown & restart & insert 2M rows & delete): Fixed in [6.0.2](#)
- [Bug#30083](#) (Falcon memory usage grows without bound): Fixed in [6.0.2](#)
- [Bug#40054](#) ('check table .. for upgrade' doesn't detect collation change made in 6.0.{1, 6}): Fixed in [6.0.9](#)

6.0.2

- [Bug#30210](#) (Falcon: bad data with case insensitive table names): Fixed in [6.0.2](#)
- [Bug#30463](#) (Falcon: assert hit in Cache::fakePage()): Fixed in [6.0.2](#)
- [Bug#30480](#) (Falcon: searches fail if LIKE and key partition): Fixed in [6.0.5](#)
- [Bug#30564](#) (Falcon: build fails on Intel/Mac): Fixed in [6.0.2](#)
- [Bug#30826](#) (Falcon - OPTIMIZE PARTITION not supported.): Fixed in [6.0.4](#)
- [Bug#31045](#) (Error in compiling Falcon 6.0.0.2 alpha FreeBSD): Fixed in [6.0.4](#)
- [Bug#31296](#) (falcon does not remove associated tablespace file.): Fixed in [6.0.4](#)
- [Bug#31302](#) (USE information_schema disables DROP tablespace): Fixed in [6.0.7](#)

6.0.3

- [Bug#29459](#) (server died handling latin2 collate latin2_czech_cs): Fixed in [6.0.4](#)
- [Bug#30889](#) (filesort and order by with float/numeric crashes server): Fixed in [6.0.5](#)
- [Bug#30904](#) (SET PASSWORD statement is non-transactional): Fixed in [6.0.4](#)
- [Bug#31005](#) (Falcon: setting falcon_serial_log_dir has no effect): Fixed in [6.0.4](#)
- [Bug#31286](#) (Falcon crashes when falcon_record_memory_max is exceeded): Fixed in [6.0.4](#)
- [Bug#31671](#) (Falcon engine does not support ROW or STATEMENT binlog_format): Fixed in [6.0.4](#)
- [Bug#32150](#) (Replication fails with Falcon when when 'Delete from table' is issued): Fixed in [6.0.4](#)
- [Bug#32191](#) (Memory overrun when using join buffering for falcon table with a blob): Fixed in [6.0.3](#)
- [Bug#32219](#) (too many hosts in default grant tables 6.0.3): Fixed in [6.0.5](#)
- [Bug#32221](#) (bug25714, mytest, mysql_client_test complaints and crashes): Fixed in [6.0.5](#)
- [Bug#32229](#) (Range optimizer crashes for 'range checked for each record' query): Fixed in [6.0.3](#)
- [Bug#32241](#) (memory corruption due to large index map in 'Range checked for each record'): Fixed in [6.0.5](#)
- [Bug#32262](#) (crash with decimal column...): Fixed in [6.0.3](#)
- [Bug#32287](#) (Compiling mysql-6.0 on x86 assumes Falcon support): Fixed in [6.0.6](#)
- [Bug#32374](#) (crash with filesort when selecting from federated table and view): Fixed in [6.0.5](#)
- [Bug#32556](#) (assert in "using index for group-by" : is_last_prefix <= 0, file .\opt_range.cc): Fixed in [6.0.5](#)
- [Bug#32676](#) (insert delayed crash with wrong column and function specified ..): Fixed in [6.0.5](#)
- [Bug#32679](#) (mysqld_safe looks for errmsg.sys in wrong path): Fixed in [6.0.4](#)
- [Bug#32705](#) (myisam corruption: Key in wrong position at page 1024 with ucs2_bin): Fixed in [6.0.5](#)
- [Bug#32829](#) (Crash during conversion of InnoDB table to Falcon (case-insensitivity)): Fixed in [6.0.4](#)
- [Bug#32830](#) (Can create a table T and table t in Falcon using some repeated alter tables.): Fixed in [6.0.4](#)
- [Bug#32848](#) (Data type conversion bug in union subselects in MySQL 5.0.38): Fixed in [6.0.5](#)
- [Bug#32858](#) (Error: "Incorrect usage of UNION and INTO" does not take subselects into account): Fixed in [6.0.7](#)
- [Bug#33062](#) (subquery in stored routine cause crash): Fixed in [6.0.5](#)
- [Bug#33106](#) (Can't distinguish parameters in information_schema.parameters.): Fixed in [6.0.5](#)

- [Bug#33141](#) (Misnamed column in INFORMATION_SCHEMA.FALCON_SERIAL_LOG_INFO): Fixed in [6.0.4](#)
- [Bug#33148](#) (falcon mysqldump does not include tablespace info): Fixed in [6.0.10](#)
- [Bug#33618](#) (Crash in sp_rcontext): Fixed in [6.0.5](#)
- [Bug#33697](#) ("order by col DESC" in a query may give a result set in a wrong order): Fixed in [6.0.5](#)
- [Bug#34085](#) (create table on falcon hangs when it cannot allocate memory for the page cache): Fixed in [6.0.5](#)
- [Bug#34086](#) (Falcon crashes from large insert select statement): Fixed in [6.0.4](#)
- [Bug#34291](#) (compile-amd64-debug-max-no-ndb missing): Fixed in [6.0.6](#)
- [Bug#34799](#) (crash or/and memory overrun with dependant subquery and some joins): Fixed in [6.0.6](#)

6.0.4

- [Bug#28541](#) (Temporary tables may fail on case insensitive HFS): Fixed in [6.0.4](#)
- [Bug#29151](#) (Falcon: running sysbench 0.4.8 leads to duplicate key errors): Fixed in [6.0.4](#)
- [Bug#31305](#) (myisam tables crash when they are near capacity): Fixed in [6.0.4](#)
- [Bug#31490](#) (The func_1 test "falcon_func_view" fails due to differences in a datetime col): Fixed in [6.0.4](#)
- [Bug#31928](#) (Search fails on '1000-00-00' date after sql_mode change): Fixed in [6.0.5](#)
- [Bug#31931](#) (Partitions: unjustified 'mix of handlers' error message): Fixed in [6.0.5](#)
- [Bug#32062](#) (Falcon: slow shutdown after many blob updates, then crash): Fixed in [6.0.4](#)
- [Bug#32191](#) (Memory overrun when using join buffering for falcon table with a blob): Fixed in [6.0.3](#)
- [Bug#32194](#) (Falcon: incorrect count of changed rows): Fixed in [6.0.4](#)
- [Bug#32201](#) (Creating a table on a fresh Falcon installation leads to crash): Fixed in [6.0.4](#)
- [Bug#32229](#) (Range optimizer crashes for 'range checked for each record' query): Fixed in [6.0.3](#)
- [Bug#32247](#) (Test reports wrong value of "AUTO_INCREMENT" (on a partitioned InnoDB table)): Fixed in [6.0.5](#)
- [Bug#32262](#) (crash with decimal column...): Fixed in [6.0.3](#)
- [Bug#32398](#) (Falcon: tablespace file can be table file): Fixed in [6.0.10](#)
- [Bug#32413](#) (Memory usage not constrained by falcon_record_memory_max, assertion failure): Fixed in [6.0.4](#)
- [Bug#32560](#) (crash with interval function and count(*)): Fixed in [6.0.4](#)
- [Bug#32620](#) (Falcon doesn't support quotes as field name and tablespace name identifiers): Fixed in [6.0.4](#)
- [Bug#32621](#) (falcon_ts.test fails): Fixed in [6.0.4](#)
- [Bug#32633](#) (Can not create any routine if SQL_MODE=no_engine_substitution): Fixed in [6.0.5](#), [6.0.4](#)
- [Bug#32771](#) (events_bugs.test fails randomly): Fixed in [6.0.6](#)
- [Bug#32833](#) (Falcon: crash creating utf8 index): Fixed in [6.0.4](#)
- [Bug#32914](#) (Character sets: illegal characters in utf8 and utf32 columns): Fixed in [6.0.7](#)
- [Bug#33033](#) (MySQL/InnoDB crashes with simple select range query): Fixed in [6.0.5](#)
- [Bug#33041](#) (Cannot set FALCON_CONSISTENT_READ for local session.): Fixed in [6.0.5](#)
- [Bug#33049](#) (Assert while running test-as3ap test(mysql-bench suite)): Fixed in [6.0.5](#)
- [Bug#33055](#) (Replication fails for UPDATE when using falcon Storage engine): Fixed in [6.0.4](#)

- [Bug#33062](#) (subquery in stored routine cause crash): Fixed in [6.0.5](#)
- [Bug#33068](#) (MySQL/Falcon crashes due to corruption of RecordLocatorPage): Fixed in [6.0.4](#)
- [Bug#33072](#) (Falcon table deadlocks when concurrent multi-query delete trans. w/trig are run): Fixed in [6.0.4](#)
- [Bug#33175](#) (Falcon table hangs when insertng over 8M rows): Fixed in [6.0.4](#)
- [Bug#33177](#) (Table creation fails after error 305 and tablespace change): Fixed in [6.0.11](#)
- [Bug#33190](#) (Falcon: DeferredIndex and IndexKey may sort slightly differently): Fixed in [6.0.11](#)
- [Bug#33191](#) (Threads 'serialize' when multy-query delete trans. w/trig are run againt Falcon): Fixed in [6.0.4](#)
- [Bug#33211](#) (CREATE TEMPORARY TABLE ignores TABLESPACE argument under Falcon): Fixed in [6.0.5](#)
- [Bug#33212](#) (DROP TABLESPACE does not fail on non-existing Falcon tablespace): Fixed in [6.0.4](#)
- [Bug#33213](#) (Wrong CREATE TABLESPACE error when using existing DATAFILE): Fixed in [6.0.6](#)
- [Bug#33216](#) (DROP TABLESPACE containing tables results in a vague error): Fixed in [6.0.5](#)
- [Bug#33245](#) (Crash on VIEW referencing FROM table in an IN clause): Fixed in [6.0.6](#)
- [Bug#33480](#) ((Falcon) deadlock on inserts into a partitioned auto_increment table): Fixed in [6.0.4](#)
- [Bug#33484](#) ("Create table ... engine=falcon" fails with error 156 but Falcon is present): Fixed in [6.0.5](#)
- [Bug#33492](#) (Falcon blob corruption on restart): Fixed in [6.0.4](#)
- [Bug#33507](#) (Event scheduler creates more threads than max_connections = user lockout): Fixed in [6.0.5](#)
- [Bug#33509](#) (Server crashes with number of recursive subqueries=61): Fixed in [6.0.6](#)
- [Bug#33517](#) (Falcon crash on recovery): Fixed in [6.0.4](#)
- [Bug#33531](#) (falcon_debug_mask does not autoflush): Fixed in [6.0.4](#)
- [Bug#33583](#) (Falcon memory parameters on 32bit system can be set < 4GB): Fixed in [6.0.10](#)
- [Bug#33607](#) (Falcon allows two mysqld instances to share a tablespace): Fixed in [6.0.6](#)
- [Bug#33608](#) (Falcon crash and corruption on blob DML and restart): Fixed in [6.0.4](#)
- [Bug#33634](#) (Falcon queries starved for a long time): Fixed in [6.0.4](#)
- [Bug#33649](#) (Is multi-byte encoding applied twice, leading to squared size ?): Fixed in [6.0.9](#)
- [Bug#33657](#) (Falcon: CREATE ... SELECT fails when column name contains quotes): Fixed in [6.0.4](#)
- [Bug#33661](#) (Falcon insert into partition fails if starting auto_increment is set): Fixed in [6.0.4](#)
- [Bug#33662](#) (Starting auto_increment value lost when dumping Falcon table definition): Fixed in [6.0.4](#)
- [Bug#33665](#) (Falcon + event scheduler + restarts = crash): Fixed in [6.0.4](#)
- [Bug#33667](#) (Falcon: CREATE ... SELECT + ANSI_QUOTES = error 156): Fixed in [6.0.4](#)
- [Bug#33688](#) (Falcon: replication fails on duplicate key error): Fixed in [6.0.4](#)
- [Bug#33719](#) (CREATE TABLE only accepts falcon_user tablespace in uppercase): Fixed in [6.0.10](#)
- [Bug#33720](#) (Falcon allows FALCON_TEMPORARY to be manually specified as a tablespace): Fixed in [6.0.10](#)
- [Bug#33723](#) (ALTER TABLE into non-existing Falcon tablespace blocks further ALTERS): Fixed in [6.0.6](#)
- [Bug#33735](#) (mysql hangs when running systems test): Fixed in [6.0.4](#)
- [Bug#33759](#) (Falcon assertionFailed() in releaseDependency()): Fixed in [6.0.4](#)
- [Bug#33933](#) (Falcon assertionFailed() in fetchNext()): Fixed in [6.0.6](#)

- [Bug#34241](#) (Falcon; STATE is listed twice in INFORMATION_SCHEMA.FALCON_TRANSACTIONS): Fixed in [6.0.4](#)
- [Bug#34351](#) ("Record has changed since last read" error on non-overlapping transactions): Fixed in [6.0.5](#)
- [Bug#34602](#) (Falcon assertion in Transaction::commitNoUpdates line 364): Fixed in [6.0.6](#)
- [Bug#34624](#) (Falcon: Slave contains one more record than master after a replication test): Fixed in [6.0.11](#)
- [Bug#34705](#) (FALCON_TABLES shows wrong TABLE_NAME): Fixed in [6.0.7](#)
- [Bug#34706](#) (FALCON_TABLES shows wrong information on temporary tables): Fixed in [6.0.7](#)
- [Bug#34778](#) (Possible memory leak running UPDATES in tight loop): Fixed in [6.0.5](#)
- [Bug#34990](#) (Falcon: falcon_bug_34351_A & falcon_bug_34251_C fail periodically): Fixed in [6.0.5](#)
- [Bug#35011](#) ("configure" script missing from the binary tarball distributions): Fixed in [6.0.4](#)
- [Bug#35190](#) (Can't upgrade MySQL 6 without mysqldump first): Fixed in [6.0.6](#)
- [Bug#35255](#) (falcon_bug_22165.test fails with debug builds): Fixed in [6.0.11](#)
- [Bug#35468](#) (Slowdown and wrong result for uncorrelated subquery w/o where): Fixed in [6.0.7](#)
- [Bug#35490](#) (FALCON_DATABASE_IO should be FALCON_TABLESPACE_IO): Fixed in [6.0.5](#)
- [Bug#35929](#) (MySQL 6.0.4 fails to compile with Sun Studio compiler due to using gcc options): Fixed in [6.0.6](#)
- [Bug#35932](#) (Falcon crashes in Transaction::commitNoUpdates for simple SELECT queries): Fixed in [6.0.7](#)
- [Bug#36128](#) (not in subquery causes crash in cleanup..): Fixed in [6.0.6](#)
- [Bug#36133](#) (Assertion `exec_method != MATERIALIZATION || (exec_method == MATERIALIZATION &&)': Fixed in [6.0.6](#)
- [Bug#36137](#) (virtual longlong Item_in_subselect::val_int(): Assertion `0' failed.): Fixed in [6.0.6](#)
- [Bug#37721](#) (ORDER BY when WHERE contains non-partitioned index column): Fixed in [6.0.9](#)
- [Bug#38636](#) (why are 6.0 binaries built without pool-of-threads support?): Fixed in [6.0.8](#)

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- [Bug#32390](#) (Character sets: casting utf32 to/from date doesn't work): Fixed in [6.0.7](#)
- [Bug#32393](#) (Character sets: illegal characters in utf16 columns): Fixed in [6.0.5](#)
- [Bug#32394](#) (Character sets: crash if comparison with 0xffff): Fixed in [6.0.6](#)
- [Bug#32709](#) (Assertion failed: trx_data-<empty(), file log.cc): Fixed in [6.0.8](#)
- [Bug#33049](#) (Assert while running test-as3ap test(mysql-bench suite)): Fixed in [6.0.5](#)
- [Bug#33073](#) (Character sets: ordering fails with utf32): Fixed in [6.0.7](#)
- [Bug#33077](#) (Character sets: weight of supplementary characters is not 0xffff): Fixed in [6.0.5](#)
- [Bug#33081](#) (Falcon: crash and database corruption when altering indexed ucs2 column): Fixed in [6.0.4](#)
- [Bug#33245](#) (Crash on VIEW referencing FROM table in an IN clause): Fixed in [6.0.6](#)
- [Bug#33352](#) (Backup:crash if I use old set of mysql files.): Fixed in [6.0.8](#)
- [Bug#33355](#) (Backup: hang if database is mysql): Fixed in [6.0.5](#)
- [Bug#33397](#) (ALTER TABLE into non-existing Falcon tablespace causes vague error.): Fixed in [6.0.6](#)
- [Bug#33404](#) (Falcon ignores partition-level TABLESPACE option): Fixed in [6.0.6](#)
- [Bug#33531](#) (falcon_debug_mask does not autoflush): Fixed in [6.0.4](#)

- [Bug#33568](#) (Backup: crash if many databases in list): Fixed in [6.0.7](#)
- [Bug#33569](#) (Backup: tablespace not restored): Fixed in [6.0.11](#)
- [Bug#33573](#) (Backup: timestamp column gets current default): Fixed in [6.0.6](#)
- [Bug#33574](#) (Backup: restore failure if temporary table exists): Fixed in [6.0.9](#)
- [Bug#33575](#) (Backup: crash on shutdown if Falcon table): Fixed in [6.0.8](#)
- [Bug#33663](#) (Character sets: weight_string function, varchar column, wrong result): Fixed in [6.0.5](#)
- [Bug#33836](#) (Backup: tables have default character set latin1): Fixed in [6.0.7](#)
- [Bug#34021](#) (Character sets: crash if concatenate utf32 and number): Fixed in [6.0.12](#)
- [Bug#34164](#) (falcon_bug_22151 test runs into assertion): Fixed in [6.0.4](#)
- [Bug#34171](#) (Backup: ignoring --secure-file-priv): Fixed in [6.0.8](#)
- [Bug#34210](#) (Backup: lost InnoDB rows if concurrent restore): Fixed in [6.0.6](#)
- [Bug#34381](#) (Client applications cannot connect to server on Vista): Fixed in [6.0.5](#)
- [Bug#34478](#) (Falcon: search failure with varbinary = 0x00): Fixed in [6.0.11](#)
- [Bug#34579](#) (Backup: Restore overwrites the new / modified data without warning): Fixed in [6.0.9](#)
- [Bug#34705](#) (FALCON_TABLES shows wrong TABLE_NAME): Fixed in [6.0.7](#)
- [Bug#34758](#) (Server crashes if database with views backed up using CS driver): Fixed in [6.0.7](#)
- [Bug#34867](#) (Backup: crash if altered view): Fixed in [6.0.7](#)
- [Bug#34895](#) ('show procedure status' or 'show function status' + 'flush tables' crashes): Fixed in [6.0.6](#)
- [Bug#34902](#) (Backup: crash if view depends on dropped object): Fixed in [6.0.7](#)
- [Bug#34965](#) (Online backup table has incorrect column name): Fixed in [6.0.6](#)
- [Bug#35230](#) (Backup: no backupdir): Fixed in [6.0.7](#)
- [Bug#35257](#) (Falcon: tablespace names are case sensitive): Fixed in [6.0.10](#)
- [Bug#35688](#) (Falcon: Crash recovery failure with blob): Fixed in [6.0.5](#)
- [Bug#35720](#) (ucs2 + pad_char_to_full_length = failure): Fixed in [6.0.8](#)
- [Bug#35767](#) (Processing of uncorrelated subquery with semi-join cause wrong result and crash): Fixed in [6.0.6](#)
- [Bug#35824](#) (mysql_upgrade does not fix scheduler tables when upgrading from 5.1.23 to 5.1.24): Fixed in [6.0.6](#)
- [Bug#36005](#) (crash in subselect with single row (subselect_single_select_engine::exec)): Fixed in [6.0.6](#)
- [Bug#36062](#) (error code 1612 changed to 1669 in 6.0): Fixed in [6.0.10](#)
- [Bug#36097](#) (Falcon: searches fail after repeated inserts): Fixed in [6.0.6](#)
- [Bug#36128](#) (not in subquery causes crash in cleanup..): Fixed in [6.0.6](#)
- [Bug#36133](#) (Assertion `exec_method != MATERIALIZATION || (exec_method == MATERIALIZATION &&)): Fixed in [6.0.6](#)
- [Bug#36135](#) (void Diagnostics_area::set_eof_status(THD*): Assertion `! is_set()' failed.): Fixed in [6.0.7](#)
- [Bug#36137](#) (virtual longlong Item_in_subselect::val_int(): Assertion `0' failed.): Fixed in [6.0.6](#)
- [Bug#36139](#) (float, zerofill, crash with subquery): Fixed in [6.0.6](#)
- [Bug#36257](#) (Backup project missing dependencies): Fixed in [6.0.6](#)
- [Bug#36294](#) (Assertion in Cache::writePage): Fixed in [6.0.6](#)

- [Bug#36320](#) (server crashes on "select 1e37" and on "select -1e15" etc.): Fixed in [6.0.6](#)
- [Bug#36438](#) (Falcon crash in Record::poke, line 823): Fixed in [6.0.6](#)
- [Bug#36468](#) (Falcon replication failure, engine reports HA_ERR_END_OF_FILE on slave): Fixed in [6.0.5](#)
- [Bug#36473](#) (Assertion "! is_set()" fails in Diagnostics_area::set_ok_status with Falcon): Fixed in [6.0.8](#)
- [Bug#36531](#) (Backup: Objects can be restored in wrong order): Fixed in [6.0.5](#)
- [Bug#36620](#) (Legacy leftovers in Falcon startup I/O): Fixed in [6.0.6](#)
- [Bug#36745](#) (falcon crash on solaris): Fixed in [6.0.6](#)
- [Bug#37012](#) (Online backup: Can't backup to a pipe.): Fixed in [6.0.6](#)
- [Bug#37056](#) (Falcon crashes in IndexRootPage::addIndexEntry): Fixed in [6.0.10](#)
- [Bug#37668](#) (No error message if tables are created in Falcon tablespaces with special names): Fixed in [6.0.8](#)
- [Bug#38231](#) (Innodb crash in lock_reset_all_on_table() on TRUNCATE + LOCK / UNLOCK): Fixed in [6.0.10](#)
- [Bug#38636](#) (why are 6.0 binaries built without pool-of-threads support?): Fixed in [6.0.8](#)
- [Bug#38696](#) (CREATE TABLE ... CHECK ... allows illegal syntax): Fixed in [6.0.7](#)
- [Bug#38848](#) (myisam_use_mmap causes widespread myisam corruption on windows): Fixed in [6.0.12](#)
- [Bug#39002](#) (crash with insert .. select * from ... on duplicate key update col=default): Fixed in [6.0.8](#)
- [Bug#39375](#) (Online backup crashes with simple combination of tables/triggers and SP): Fixed in [6.0.10](#)
- [Bug#39447](#) (Error with NOT NULL condition and LIMIT 1): Fixed in [6.0.10](#)

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- [Bug#21476](#) (stack overflow crashes server; error-message stack reservation too small): Fixed in [6.0.10](#)
- [Bug#36410](#) (Falcon crashes on 64 concurrent threads): Fixed in [6.0.10](#), [6.0.7](#)
- [Bug#36418](#) (Character sets: crash if char(256 using utf32)): Fixed in [6.0.7](#)
- [Bug#36442](#) (Falcon: crash during optimize table): Fixed in [6.0.10](#)
- [Bug#36933](#) (Backup: snapshot error + crash if double backup): Fixed in [6.0.9](#)
- [Bug#37281](#) (Time stamps in Falcon on big-endian machine give wrong results): Fixed in [6.0.10](#)
- [Bug#37622](#) (Falcon does not compile on Solaris 9 on SPARC using Sun Studio compiler): Fixed in [6.0.9](#)
- [Bug#37671](#) (crash on prepared statement + cursor + geometry + too many open files !): Fixed in [6.0.10](#)
- [Bug#37679](#) (Falcon does not compile on OpenSolaris/Nevada using the Sun Studio compiler): Fixed in [6.0.6](#)
- [Bug#37869](#) (mysqld stopped reacting to SIGINT when run with --gdb): Fixed in [6.0.9](#)
- [Bug#38083](#) (Error-causing row inserted into partitioned table despite error): Fixed in [6.0.8](#)
- [Bug#38108](#) (Race condition in MyISAM backup driver): Fixed in [6.0.6](#)
- [Bug#38133](#) (Myisamlog test fails on Windows): Fixed in [6.0.11](#)
- [Bug#38180](#) (options are read from ~/my.cnf instead of ~/.my.cnf): Fixed in [6.0.7](#)
- [Bug#38347](#) (ALTER ROUTINE privilege allows SHOW CREATE TABLE): Fixed in [6.0.11](#)
- [Bug#38371](#) (MySQL does not start after installation due to unknown parameter in my.ini file): Fixed in [6.0.6](#)
- [Bug#38377](#) (Options falcon_serial_log_dir does not have any effect): Fixed in [6.0.7](#)

- [Bug#38466](#) (maria: range query returns no data): Fixed in [6.0.6](#)
- [Bug#38556](#) (Linking error when building Falcon as a shared library using Sun Studio compiler): Fixed in [6.0.6](#)
- [Bug#38594](#) (Falcon crash in MemMgr and Sync object during exit of mysqld): Fixed in [6.0.7](#)
- [Bug#38606](#) (delete in lock write concurrent): Fixed in [6.0.7](#)
- [Bug#38739](#) (Assert in Transaction::initialize during simple SELECT queries): Fixed in [6.0.8](#)
- [Bug#38748](#) (Deadlock in Falcon when running simple SELECT queries): Fixed in [6.0.8](#)
- [Bug#38766](#) (Falcon hangs during start-up if compiled for 64 bit SPARC): Fixed in [6.0.7](#)
- [Bug#38843](#) (Falcon does not start if datadir is located on home directory on Solaris): Fixed in [6.0.7](#)
- [Bug#38918](#) (selecting from information_schema.columns is disproportionately slow): Fixed in [6.0.9](#)
- [Bug#39063](#) (Online Backup: Backup behavior changes with the case used for the database name): Fixed in [6.0.11](#)
- [Bug#39069](#) (<row constructor< IN <table-subquery< seriously messed up): Fixed in [6.0.10](#)
- [Bug#39702](#) (Unspecific error msg when using non-existent table space in partition definition): Fixed in [6.0.9](#)
- [Bug#40126](#) (ERROR 1146 (42S02): Table 'mysql.online_backup' doesn't exist): Fixed in [6.0.8](#)

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- [Bug#37075](#) (offset of limit clause might be truncated on 32-bits server w/o big tables): Fixed in [6.0.9](#)
- [Bug#37936](#) (ASSERT_COLUMN_MARKED_FOR_WRITE in Field_datetime::store , Field_varstring::store): Fixed in [6.0.10](#)
- [Bug#38304](#) (Data contents becomes NULL if column name in Falcon table uses accented letters): Fixed in [6.0.8](#)
- [Bug#38466](#) (maria: range query returns no data): Fixed in [6.0.6](#)
- [Bug#38692](#) (concurrent inserts cause valgrind errors in Query_cache::invalidate): Fixed in [6.0.8](#)
- [Bug#38693](#) (leaked memory with blobs!): Fixed in [6.0.9](#)
- [Bug#38701](#) (Crash in String::append when inserting duplicate empty strings an utf8 SET col): Fixed in [6.0.8](#)
- [Bug#38810](#) (Backup: crash if trigger and event with same name): Fixed in [6.0.8](#)
- [Bug#39025](#) (Falcon writes key pages to Serial Log in wrong order.): Fixed in [6.0.7](#)
- [Bug#39081](#) (Falcon: segfault in StorageInterface::getDemographics()): Fixed in [6.0.8](#)
- [Bug#39098](#) (Falcon sometimes reports 'Invalid serial log directory path'): Fixed in [6.0.7](#)
- [Bug#39181](#) (Build error in MemoryManager.h in Pushbuild on sol10-sparc-a-max): Fixed in [6.0.8](#)
- [Bug#39260](#) (Falcon should detect that it has been compiled without support for C++ exception): Fixed in [6.0.9](#)
- [Bug#39277](#) (Creation of table with data and/or index files in data home directory succeeds): Fixed in [6.0.9](#)
- [Bug#39342](#) (YEAR '=' comparison fails when index is present): Fixed in [6.0.8](#)
- [Bug#39419](#) (Falcon should not be compiled if compiler or options do not support exceptions): Fixed in [6.0.9](#)
- [Bug#39552](#) (Falcon hangs when system memory is exhausted): Fixed in [6.0.11](#)
- [Bug#39575](#) (Falcon crashes during loading of large dataset): Fixed in [6.0.8](#)
- [Bug#39912](#) (Falcon can crash after hitting problems with the serial log): Fixed in [6.0.8](#)
- [Bug#39951](#) (Falcon: crash during crash recovery): Fixed in [6.0.8](#)
- [Bug#40265](#) (Falcon: Concurrent online DROP INDEX of the same key causes MySQL assertion): Fixed in [6.0.8](#)

- [Bug#40336](#) (Falcon plugin installed in wrong directory by make install): Fixed in [6.0.10](#)
- [Bug#40975](#) (Database restored through named pipes brings up a corrupt database.): Fixed in [6.0.11](#)

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- [Bug#39127](#) (Backup fails on PowerMac platform): Fixed in [6.0.8](#)
- [Bug#39375](#) (Online backup crashes with simple combination of tables/triggers and SP): Fixed in [6.0.10](#)
- [Bug#39451](#) (Debug builds broken with Sun Studio compiler): Fixed in [6.0.8](#)
- [Bug#39655](#) (The mysql_upgrade process does not remove old online_backup tables.): Fixed in [6.0.11](#)
- [Bug#39690](#) (Backup logs need to split backup image file into path and filename columns): Fixed in [6.0.8](#)
- [Bug#39702](#) (Unspecific error msg when using non-existent tablespace in partition definition): Fixed in [6.0.9](#)
- [Bug#39780](#) (Allow restore to skip gap event during restore on master): Fixed in [6.0.11](#)
- [Bug#39825](#) (Incorrect validity point reported during restore on Windows Vista): Fixed in [6.0.8](#)
- [Bug#40262](#) (Binary log information incorrect in backup of no data with binlog turned on): Fixed in [6.0.9](#)
- [Bug#40274](#) (Falcon assertion in Transaction::releaseDependencies at Transaction.cpp:792): Fixed in [6.0.10](#)
- [Bug#40390](#) (Falcon does not get compiled on Solaris 10 on SPARC): Fixed in [6.0.8](#)
- [Bug#40745](#) (Error during WHERE clause calculation in UPDATE leads to an assertion failure): Fixed in [6.0.9](#)
- [Bug#40801](#) (Falcon garbage collection can erase valid key values): Fixed in [6.0.10](#)
- [Bug#40994](#) (Regression: can't create unique index on NOT NULL column if engine is falcon): Fixed in [6.0.9](#)
- [Bug#41194](#) (Falcon durability should occur earlier in the commit process.): Fixed in [6.0.10](#)
- [Bug#41270](#) (Configure fails when including Falcon on Mac OS X): Fixed in [6.0.8](#)
- [Bug#41411](#) (Access invalid memory for sequence after table truncate): Fixed in [6.0.10](#)
- [Bug#41610](#) (key_infix_len can be overwritten causing some group by queries to return no rows): Fixed in [6.0.11](#)
- [Bug#41868](#) (crash or memory overrun with concat + upper, date_format functions): Fixed in [6.0.10](#)
- [Bug#42185](#) (Falcon crashes during large transaction, assert(source-<useCount <= 2)): Fixed in [6.0.11](#)
- [Bug#42188](#) (crash and/or memory corruption with user variables in trigger): Fixed in [6.0.10](#)
- [Bug#42208](#) (Falcon's ORDER BY ..LIMIT gives wrong/inconsistent results on NULL values): Fixed in [6.0.11](#)
- [Bug#42977](#) (RBR logs for rows with more than 250 column results in corrupt binlog.): Fixed in [6.0.11](#)

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- [Bug#39320](#) (assert btr/btr0pcur.c line 217 -innodb_locks_unsafe_for_binlog or read committed): Fixed in [6.0.12](#)
- [Bug#41030](#) (Wrong meta data (incorrect fieldlen)): Fixed in [6.0.11](#)
- [Bug#41227](#) (Falcon: potential corruption of RecordLocatorPage on recovery): Fixed in [6.0.10](#)
- [Bug#41359](#) (backup.backup_errors fails after merge of main and backup trees): Fixed in [6.0.10](#)
- [Bug#41391](#) (falcon.falcon_bug_22211 fails due to seeing duplicate entry): Fixed in [6.0.11](#)
- [Bug#41582](#) (Falcon index access returns no result for indexes with numeric datatype): Fixed in [6.0.11](#)
- [Bug#41890](#) (Falcon: New execution plans with MRR cause slowdown for group of queries): Fixed in [6.0.10](#)

- [Bug#41894](#) (Segment violation in BKA for some settings/queries): Fixed in [6.0.10](#)
- [Bug#42020](#) (Wrong results returned by BKA outer join with several outer tables.): Fixed in [6.0.10](#)
- [Bug#42275](#) (Falcon hangs for any schedule set to " * * * * * "): Fixed in [6.0.11](#)
- [Bug#42288](#) (thread_handling = pool-of-threads is slow): Fixed in [6.0.10](#)
- [Bug#42475](#) (Falcon can crash in Sync::findLocks after a timeout.): Fixed in [6.0.10](#)
- [Bug#42495](#) (updatexml: Assertion failed: xpath-<context, file .\item_xmlfunc.cc, line 2507): Fixed in [6.0.10](#)
- [Bug#42502](#) (huge memory leak possible with timezone functions): Fixed in [6.0.11](#)
- [Bug#42510](#) (Falcon: Default memory parameters must be changed): Fixed in [6.0.10](#)
- [Bug#42695](#) (memory leak when setting backupdir): Fixed in [6.0.11](#)
- [Bug#42957](#) (no results from select where .. (col=col and col=col) or ... (false expression)): Fixed in [6.0.11](#)
- [Bug#43748](#) (crash when non-super user tries to kill the replication threads): Fixed in [6.0.11](#)
- [Bug#44151](#) (using handler commands on information_schema tables crashes server): Fixed in [6.0.12](#)

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- [Bug#41391](#) (falcon.falcon_bug_22211 fails due to seeing duplicate entry): Fixed in [6.0.11](#)
- [Bug#41868](#) (crash or memory overrun with concat + upper, date_format functions): Fixed in [6.0.10](#)
- [Bug#41870](#) (Unbounded tablespace growth when updating BLOB record): Fixed in [6.0.10](#)
- [Bug#42014](#) (Crash, name_const with collate): Fixed in [6.0.10](#)
- [Bug#42188](#) (crash and/or memory corruption with user variables in trigger): Fixed in [6.0.10](#)
- [Bug#42189](#) (falcon.falcon_bug_22211 fails due to blocked transaction sees rollbacked data): Fixed in [6.0.11](#)
- [Bug#42196](#) (Issue with key look up for bit field in Falcon table after insert + stored func): Fixed in [6.0.10](#)
- [Bug#42392](#) (Falcon bugs in recovery of create tablespace): Fixed in [6.0.10](#)
- [Bug#42414](#) (falcon_bug_33211 fails when trying to create a table in a non-existing table spa): Fixed in [6.0.10](#)
- [Bug#42495](#) (updatexml: Assertion failed: xpath-<context, file .\item_xmlfunc.cc, line 2507): Fixed in [6.0.10](#)
- [Bug#42560](#) (Falcon recovery error: page 411048/1 wrong page type, expected 5 got 7): Fixed in [6.0.11](#)
- [Bug#42681](#) (Maria returns duplicate rows with range access on 'date type): Fixed in [6.0.11](#)
- [Bug#42683](#) (Maria returns wrong results for <= NULL and << NULL): Fixed in [6.0.11](#)
- [Bug#42685](#) (valgrind errors setting backup_progress_log_file): Fixed in [6.0.11](#)
- [Bug#42695](#) (memory leak when setting backupdir): Fixed in [6.0.11](#)
- [Bug#42740](#) (crash in optimize_semijoin_nests): Fixed in [6.0.11](#)
- [Bug#42744](#) (crash in JOIN_CACHE::write_record_data, Field::is_null): Fixed in [6.0.10](#)
- [Bug#43048](#) (Falcon may crash during shutdown when running it embedded): Fixed in [6.0.11](#)
- [Bug#43106](#) (Falcon recovery assertion (bdb-<buffer-<pageNumber == pageNumber) in Cache.cpp): Fixed in [6.0.11](#)
- [Bug#43120](#) (Backup tree does not compile on Windows Vista w/VS 2008 Pro): Fixed in [6.0.11](#)
- [Bug#43452](#) (Wrong number of rows returned when using LIMIT): Fixed in [6.0.11](#)
- [Bug#43562](#) (Crash when creating a Falcon table after upgrade from 6.0.9 to 6.0.10): Fixed in [6.0.11](#)

- [Bug#43876](#) (mysqld_multi introduces --no-defaults which screws up my system): Fixed in [6.0.12](#)
- [Bug#43995](#) (Falcon Valgrind warnings in StorageInterface, StorageHandler & CmdGen): Fixed in [6.0.11](#)

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- [Bug#43254](#) (SQL_SELECT_LIMIT=0 crashes command line client): Fixed in [6.0.11](#)
- [Bug#43488](#) (Crash in Table::fetchForUpdate (update conflict) when using LIMIT query): Fixed in [6.0.11](#)
- [Bug#43527](#) (Maria returns no rows on multi range access with limit clause): Fixed in [6.0.11](#)
- [Bug#43530](#) (Maria has Issues with range select <<, < with -ve range values on signed index): Fixed in [6.0.11](#)
- [Bug#43552](#) (Maria returned wrong rows with range access on float): Fixed in [6.0.11](#)
- [Bug#43620](#) (Maria throws 'Got error 176 from storage engine' on a range query): Fixed in [6.0.11](#)
- [Bug#43623](#) (Maria returns no rows with date index on range access <, <=, BETWEEN): Fixed in [6.0.11](#)

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