



RELEASE BULLETIN | PUBLIC

SAP Adaptive Server Enterprise 16.0 SP03

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SAP ASE Release Bulletin

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1 SAP ASE Release Bulletin

This release bulletin provides known issues about SAP ASE.

Product Components

For information about Open Server and SDK for ASE, see [Open Server](#) and [SDK for SAP Adaptive Server Enterprise](#).

Compatibility of Fixes with Previous SAP ASE Releases

SAP ASE 16.0 SP03 PL07 contains all the bug fixes of releases:

- 16.0 SP03 to 16.0 SP03 PL06
- 16.0 SP02 to SP02 PL08 (this includes Hot Fix releases through SAP ASE 16.0 SP02 PL07 HF1)
- 16.0 SP01 to SP01 PL03
- 16.0 to 16.0 PL05
- 15.7 SP130 to SP140 (this includes Hot Fix releases through 15.7 SP136 HF1)
- 15.7 SP121 to SP122
- 15.7 SP110 to SP111
- 15.7 SP100 to SP104
- 15.7 to SP64

2 Known Issues for SAP ASE

Review known issues and workarounds, listed by Change Request (CR) number.

Use the search fields for each column to find specific terms, platforms, and CR numbers.

Table 1: SAP ASE Release Bulletin

CR #	Platform	Description
808181	Windows	<p>While closing an <code>ASEConnection</code> thread, ADO.NET for the <code>Drv160SP03PL07</code> driver may crash with the following error:</p> <pre>Exception Sybase.Data.AseClient.AseException: Attempt to locate entry in sysdatabases for database 'System.Char[]' by name failed - no entry found under that name. Make sure that name is entered properly.</pre> <p>Workaround: none.</p>

CR #	Platform	Description
819302	Linux Solaris IBM AIX HP-UX Windows	<p>The upgrade items for zeroing the columns <code>imrslogptr</code> and <code>imrsloglastptr</code> in table <code>master.dbo.sysdatabases</code> and the column <code>schemaid</code> in table <code>sybsecurity.dbo.systypes</code> may be missed when upgrading an SAP ASE installation from 16.0 SP02 PL07 or PL08 to 16.0 SP03 PL07.</p> <p>After upgrading the master database from SAP ASE 16.0 SP02 PL07 or PL08 to SAP ASE 16.0 SP03 PL07, you need to manually execute the following sql statements:</p> <pre> sp_configure 'allow updates to system tables', 1 go use master go update sysdatabases set imrslogptr=0, imrsloglastptr=0 where imrslogptr is null go sp_configure 'allow updates to system tables', 0 go </pre> <p>After upgrading the sybsecurity database from SAP ASE 16.0 SP02 PL07 or PL08 to SAP ASE 16.0 SP03 PL07, you need to manually execute the following sql statements:</p> <pre> sp_configure 'allow updates to system tables', 1 go use sybsecurity go update systypes set schemaid = 0 where schemaid is null go sp_configure 'allow updates to system tables', 0 go </pre>

CR #	Platform	Description
814939	Linux Solaris IBM AIX HP-UX Windows	<p>You may receive error 10330 when accessing cross-database "dbo" owned objects through "dbo" owned procedures. This happens when the objects and procedures are created by the user aliased to "dbo".</p> <div style="border: 1px solid #ccc; padding: 10px; background-color: #f9f9f9;"> <p>i Note</p> <p>There are no issues with accessing:</p> <ul style="list-style-type: none"> • Objects in the same database • Objects created by "dbo" itself • Non-dbo objects </div> <p>Workaround:</p> <ol style="list-style-type: none"> As a "dbo", modify the owner of the objects to "dbo". Examples: <div style="border: 1px solid #ccc; padding: 5px; background-color: #f9f9f9; margin: 5px 0;"> <pre>alter table my_tab modify owner "dbo" go</pre> </div> <div style="border: 1px solid #ccc; padding: 5px; background-color: #f9f9f9; margin: 5px 0;"> <pre>alter proc my_proc modify owner "dbo" go</pre> </div> Free the object, partition, and index descriptors linked to the objects using <code>dbcc cacheremove ()</code>. Examples: <div style="border: 1px solid #ccc; padding: 5px; background-color: #f9f9f9; margin: 5px 0;"> <pre>dbcc cacheremove (db1, my_tab) go</pre> </div> <div style="border: 1px solid #ccc; padding: 5px; background-color: #f9f9f9; margin: 5px 0;"> <pre>dbcc cacheremove (db2, my_proc) go</pre> </div>

CR #	Platform	Description
810159	Linux Solaris IBM AIX HP-UX Windows	<p>SAP ASE cockpit may no longer function after upgrading the SAP ASE cockpit from versions SAP ASE 16.0 SPO2 PLOx to version 16.0 SPO2 PLO6 and later.</p> <p>If this occurs, you may see errors similar to the following in the SAP ASE Cockpit agent .log log file (located in \$COCKPIT_HOME/log):</p>

```

2017-12-05 19:03:11,959 [ERROR]
[module.ProductModuleLoader]
[scc-pm-loader-1-
AgentPlugin:name=com.sybase.ua.plugins.ase_map_4
.0.0_1]
- The SCC Product Module "ASE Management Agent
Plugin" XML could not be
processed.
java.lang.RuntimeException: Could not query
repository for role
...
Caused by:
org.hibernate.NonUniqueObjectException: a
different
object with the same identifier value was
already associated
with the session:
[com.sybase.scc.model.resource.ResourceTypeVers
ion#9]

```

Workaround: Shut down the SAP ASE cockpit and preform one of the following:

- Replace \$COCKPIT_HOME/plugins/ASEMAP/ProductModule.xml with the previous version. This workaround preserves the current repository (monitoring history), but limits access to upgraded SAP ASE cockpit features.
- Remove the files located in \$COCKPIT_HOME/services/Repository/db/repository.*, erasing the current repository.

SAP recommends that you not perform an in-place or installer-performed upgrade for the cockpit. You can bypass this action by renaming the COCKPIT-4 file to something else (for example, old_COCKPIT-4) before starting the upgrade process. A new cockpit will be installed (SAP ASE cockpit is part of the default install set).

Follow instructions here to add the SAP ASE to the new cockpit once the upgrade is complete: <https://launchpad.support.sap.com/#/notes/0002307016>

CR #	Platform	Description
808629	Linux	<p>The enable delta dump tran configuration option is not compatible with archive databases.</p> <p>Transaction dumps created with enable delta dump tran enabled can create inconsistencies when loading more than one of these transaction dumps into an archive database.</p> <p>Workaround: Disable the enable delta dump tran configuration parameter for transaction dumps that will be loaded into an archive database.</p>
	Solaris	
	IBM AIX	
	HP-UX	
	Windows	
799331	Solaris	<p>There are known issues when SAP ASE is configured for Kerberos on the sunx64 (Solaris amd64) platform, and a Kerberos connection is attempted to an SAP ASE server.</p> <p>Workaround: To work around this issue, set the environment variable LD_PRELOAD to the path of the GSSAPI library before booting the SAP ASE server. For example, if the GSSAPI library is located at /work/MIT_Kerberos/sunx64/lib/libgssapi_krb5.so:</p> <ul style="list-style-type: none"> • csh: setenv LD_PRELOAD /work/MIT_Kerberos/sunx64/lib/libgssapi_krb5.so • bash: export LD_PRELOAD = /work/MIT_Kerberos/sunx64/lib/libgssapi_krb5.so
792988	Linux	<p>SAP ASE Cockpit fails to start.</p> <p>The SAP ASE Cockpit fails to start if you do not have write permission to the working directory.</p> <p>Workaround: Change to a directory with write permission before starting SAP ASE Cockpit.</p>
	Solaris	
	IBM AIX	
	HP-UX	
	Windows	
791557	Linux	<p>Error during installation in console or silent mode.</p> <p>When installing SAP ASE in console or silent modes, an error is raised if the DISPLAY environment variable is set.</p> <p>An error similar to the following is raised:</p> <pre>class com.sybase.ia.common.LastScreenAction.install() Unexpected Fatal Error: java.lang.NoClassDefFoundError: java/awt/ Toolkit : cannot initialize class because prior initialization attempt failed</pre> <p>Workaround: Unset the DISPLAY environment variable when running the installer in console or silent modes.</p>
	Solaris	
	IBM AIX	
	HP-UX	
	Windows	

CR #	Platform	Description
785492	IBM AIX	<p>An attempt to connect to the XPserver will fail when configuration option <code>enable_xact_coordination</code> and server option <code>negotiated_logins</code> are set to true.</p> <p>The following errors are produced:</p> <pre>11216/13/16 ct_connect(): protocol specific layer: external error: The attempt to connect to the server failed. Run the SAP11216/13/16 ct_connect(): protocol specific layer: external error: The attempt to connect to the server failed. 11206/1/16 Unable to connect to server '<servername>' 11206/1/16 Unable to connect to server '<servername>'</pre> <p>Workaround: None.</p>
695625	Linux Solaris IBM AIX HP-UX Windows	<p>Confidentiality service causes error.</p> <p>This message is reported by Open Client applications connecting to SAP ASE:</p> <pre>ct_send(): network packet layer: internal Client Library error: State error: trying to write when connection is expecting a read.</pre> <p>This message is reported in some cases when the Kerberos message confidentiality service is turned on.</p> <p>Workaround: Reconnect to the server with the confidentiality service turned off.</p>
692496	Linux Solaris IBM AIX HP-UX Windows	<p>When installing an SAP ASE server to be used in an HA configuration, the <code>sp_companion</code> stored procedure configure command may fail due to duplicate device names for the <code>tempdbdev</code> logical device.</p> <p>Workaround: Do not specify the "Tempdb Device" (set the value of this field to blank) when configuring the secondary server during SAP ASE installation.</p> <ul style="list-style-type: none"> • If additional <code>tempdb</code> space is required on either server, log in to this server after the installation is complete and use the <code>alter database</code> command to increase the size of <code>tempdb</code>. • If additional disk space is required to allocate the <code>tempdb</code> database, use the <code>disk init</code> command to create a new database device for <code>tempdb</code>. • If you create a new device, the logical device name should be unique between the two servers.



CR #	Platform	Description
684556	Linux	The select for update semantics introduced in version 15.7 do not support datapages-locked tables. Workaround: None. <code>select for update</code> support exists only for datarows-locked pages.
	Solaris	
	IBM AIX	
	HP-UX	
	Windows	
624167	Windows	When you install SAP ASE 15.5 ESD #1 or later in a non-English environment, the default installation type is Custom rather than Typical. Workaround: Use the Custom option. If you select the option Typical, the Additional Language Modules component is not installed, and some messages may not be localized.
595923	Linux	Known issues with transfer table. <ul style="list-style-type: none"> When creating a unique index that uses the <code>ignore_dup_key</code> property, importing a row with a key that is already present in the table leads to an error, and the import is aborted. This differs from when a duplicate key is inserted with <code>bcp</code> or with a regular <code>insert</code> statement, since in those cases, the row is discarded, and the transaction continues. When an <code>insert</code> trigger exists, the trigger is not fired when data is inserted through <code>transfer table...from</code>. Workaround: None.
	Solaris	
	IBM AIX	
	HP-UX	
	Windows	
593866	Windows	In Windows 2008, when you click <i>Help</i> in syconfig, you see an error message that online help cannot be shown. Workaround: Download the <code>winHlp32.exe</code> file from Microsoft. See the Microsoft Support site at http://support.microsoft.com/kb/917607/en#3 .
576652	Linux	SySAM2-enabled products incorrectly determine the number of cores and chips on quad-core processors. This may be as a result of your SAP ASE small business edition or chip license not being activated and having gone into a grace period. Workaround: Remove this line from your SySAM properties file, if it exists: <pre>cpuinfo.mechanism=NOAPICCHECK</pre> If the problem still remains, set the following environment variable, then run the products: <pre>(sh) export SYBASE_SAM_CPUINFO=CPUID (csh) setenv SYBASE_SAM_CPUINFO CPUID</pre> If the problem still remains, please contact SAP Product Support.
	Solaris	
	IBM AIX	
	Windows	

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