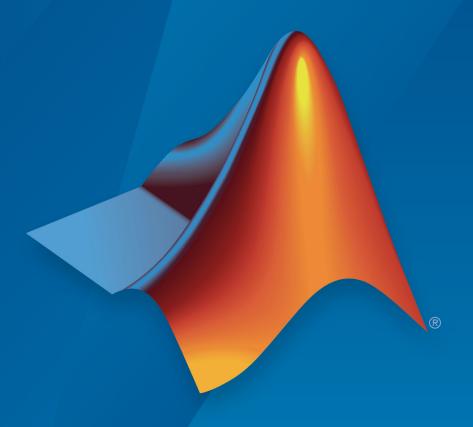
Database Toolbox[™] Release Notes



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Database Toolbox[™] Release Notes

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Bug Fixes

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R14SP2

Bug Fixes

R2017b

Version: 8.0

New Features

Bug Fixes

Compatibility Considerations

Database Explorer App: Visually explore relational databases without knowing SQL

The **Database Explorer** app has been replaced. You can configure ODBC and JDBC data sources, explore data in a relational database, create SQL queries interactively, and import data into the MATLAB® workspace.

Compatibility Considerations

- To open the new Database Explorer app, use the databaseExplorer function instead of the dexplore function.
- For JDBC data sources only, set up new JDBC data sources to connect to a database using the JDBC driver. For details, see "Configuring Driver and Data Source".
- The syntax setdbprefs('JDBCDataSourceFile') has been removed.
- The new Database Explorer app has new workflows for connecting to databases and creating SQL queries. For details, see "Create SQL Queries Using Database Explorer App".

Database Toolbox Interface for MongoDB: Easily interact with MongoDB

With the Database Toolbox interface for MongoDB®, you can import data stored in a collection of documents in MongoDB for analysis in MATLAB. After connecting to MongoDB, you can also explore and manage collections, and export data from MATLAB into MongoDB.

For details about installing the Database Toolbox interface for MongoDB, see "Database Toolbox Interface for MongoDB Installation". For details about the interface, see "Document Database".

splitsqlquery Function: Split a SQL query into multiple SQL page queries to access large amounts of data

Using the splitsqlquery function, you can split a SQL query into multiple SQL page queries and then access large data in chunks. You can access large data using Database Toolbox functions or using a parallel pool (requires Parallel Computing Toolbox $^{\mathsf{TM}}$).

Functionality being removed or changed

Functionality	What Happens When You Use It?	Use This Instead	Compatibility Considerations
catalogs	Warns	Catalogs property of the connection object	Replace all instances of the catalogs function with access of the Catalogs property.
database.ODBCConne ction syntax in the database function	Warns	database syntax	Replace all instances of the database.ODBCConnection syntax with the database syntax in the database function.
dexplore	Warns	databaseExplorer	To open the Database Explorer app, use the databaseExplorer function.
exportedkeys	Warns	Nothing	No replacement
get	Warns	connection object properties	Access any connection object property.
importedkeys	Warns	Nothing	No replacement
indexinfo	Warns	Nothing	No replacement
isreadonly	Warns	ReadOnly property of the connection object	Replace all instances of the isreadonly function with access of the ReadOnly property.
logintimeout	Warns	Name-value pair argument 'LoginTimeout' in the database function	Remove all instances of the logintimeout function and specify the timeout value using the name-value pair argument 'LoginTimeout'.

Functionality	What Happens When You Use It?	Use This Instead	Compatibility Considerations
ping	Warns	connection object properties	Access these connection object properties:
			MaxDatabaseConn ections
			DatabaseProduct Name
			DatabaseProduct Version
			DriverName
			DriverVersion
primarykeys	Warns	Nothing	No replacement
procedure	Warns	Nothing	No replacement
procedurecolumns	Warns	Nothing	No replacement
schemas	Warns	Schemas property of the connection object	Replace all instances of the schemas function with access of the Schemas property.
set	Warns	connection object properties	You can set only the AutoCommit and ReadOnly properties.
setdbprefs('DataRe turnFormat','datas et')	Warns	table data type	Replace all instances of setdbprefs('DataRe turnFormat','datas et') with setdbprefs('DataRe turnFormat','table ').
setdbprefs('FetchB atchSize','1000')	Warns	Nothing	No replacement

Functionality	What Happens When You Use It?	Use This Instead	Compatibility Considerations
setdbprefs('FetchInBatches','yes')	Warns	Nothing	No replacement
sql2native	Warns	Nothing	No replacement
supports	Warns	Nothing	No replacement
namecolumn	Errors	Nothing	No replacement
resultset	Errors	Nothing	No replacement
resultset object as input argument in close	Errors	Nothing	No replacement
resultset object as input argument in get	Errors	Nothing	No replacement
resultset object as input argument in namecolumn	Errors	Nothing	No replacement
rsmd	Errors	Nothing	No replacement
rsmd object as input argument in get	Errors	Nothing	No replacement
<pre>setdbprefs('ErrorH andling','empty')</pre>	Errors	Nothing	Replace all instances of setdbprefs('ErrorH andling','empty') with setdbprefs('ErrorH andling','report').
setdbprefs('JDBCDa taSourceFile')	Errors	Nothing	Configure JDBC data sources by using the Database Explorer app. For details, see "Configuring Driver and Data Source".

Compatibility Considerations

In the **Database Toolbox Preferences** pane:

- The Cursor Fetch pane has been removed. The Fetch In Batches and Batch Size
 preferences have been removed. Use the setdbprefs function at the command line
 instead.
- The dataset option in the **Data Return Format** list will be removed. Use table instead.
- The empty option in the Error Handling list will be removed. Use report instead.

R2017a

Version: 7.1

New Features

Bug Fixes

Compatibility Considerations

One-step data import

You can import data from a database in one step using the select function. This function enables maximum memory savings by importing numeric values using data types as defined in the database. For different ways to import data, see Data Import Using Database Explorer App or Command Line.

Expanded data type support

You can import data with a larger variety of data types into MATLAB. For the full list, see Data Type Support.

Connection object and database connection changes

The connection object has additional properties grouped into these categories:

- · Database Properties
- · Catalog and Schema Information
- · Database and Driver Information

Additional properties include:

- · ReadOnly
- MaxDatabaseConnections
- DefaultCatalog
- Catalogs
- Schemas
- DatabaseProductName
- DatabaseProductVersion
- DriverName
- DriverVersion

For ODBC drivers, the native ODBC interface is now the default database connection type.

Compatibility Considerations

These connection object properties have changed:

- Handle and Constructor is removed.
- DataSource replaces Instance.
- LoginTimeout replaces TimeOut.

For details about object properties, see the connection object.

Functionality being removed or changed

Functionality	What Happens When You Use It?	Use This Instead	Compatibility Considerations
catalogs	Still runs	Catalogs property of the connection object	Replace all instances of the catalogs function with access of the Catalogs property.
get	Still runs	connection object properties	Access any connection object property.
isreadonly	Still runs	ReadOnly property of the connection object	Replace all instances of the isreadonly function with access of the ReadOnly property.
logintimeout	Still runs	Name-value pair argument 'LoginTimeout' in the database function	Remove all instances of the logintimeout function and specify the timeout value using the name-value pair argument 'LoginTimeout'.

Functionality	What Happens When You Use It?	Use This Instead	Compatibility Considerations
ping	Still runs	connection object properties	Access these connection object properties:
			MaxDatabaseConn ections
			DatabaseProduct Name
			DatabaseProduct Version
			DriverName
			DriverVersion
schemas	Still runs	Schemas property of the connection object	Replace all instances of the schemas function with access of the Schemas property.
set	Still runs	connection object properties	You can set only the AutoCommit and ReadOnly properties.
sql2native	Still runs	Nothing	No replacement
setdbprefs('FetchInBatches','yes')	Still runs	Nothing	No replacement
setdbprefs('FetchB atchSize','1000')	Still runs	Nothing	No replacement
database.ODBCConne ction syntax in the database function	Warns	database syntax	Replace all instances of the database.ODBCConne ction syntax with the database syntax in the database function.
resultset	Warns	Nothing	No replacement

Functionality	What Happens When You Use It?	Use This Instead	Compatibility Considerations
resultset object as input argument in close	Warns	Nothing	No replacement
resultset object as input argument in get	Warns	Nothing	No replacement
resultset object as input argument in namecolumn	Warns	Nothing	No replacement
rsmd	Warns	Nothing	No replacement
rsmd object as input argument in get	Warns	Nothing	No replacement
setdbprefs('DataRe turnFormat','datas et')	Warns	table data type	Replace all instances of setdbprefs('DataRe turnFormat','datas et') with setdbprefs('DataRe turnFormat','table ').
<pre>setdbprefs('ErrorH andling','empty')</pre>	Warns	Nothing	Replace all instances of setdbprefs('ErrorH andling','empty') with setdbprefs('ErrorH andling','report').
isconnection	Errors	isopen	Replace all instances of the isconnection function with isopen.
querybuilder	Errors	dexplore	Use the Database Explorer app.
setdbprefs('Defaul tRowPreFetch','100 00')	Errors	Nothing	No replacement

Functionality	What Happens When You Use It?		Compatibility Considerations
<pre>setdbprefs('TempDi rForRegistryOutput ','')</pre>	Errors	Nothing	No replacement
<pre>setdbprefs('UseReg istryForSources',' ')</pre>	Errors	Nothing	No replacement

Compatibility Considerations

The JDBC/ODBC bridge has been removed for the command line. For ODBC drivers, the syntaxes of the database function and other command-line functions use the native ODBC interface by default. The Database Explorer app still uses the JDBC/ODBC bridge for ODBC database connection.

Visual Query Builder has been removed. Use the Database Explorer app instead. When using the **Database Explorer** app with JDBC drivers for the first time, you must configure data sources.

R2016b

Version: 7.0

New Features

Bug Fixes

Compatibility Considerations

Graph Database Interface: Retrieve graph data from Neo4j

To import graph data in a Neo4j® database into MATLAB, use the MATLAB interface to Neo4j. To perform graph network analysis with graph data in MATLAB using the digraph object, create a Neo4j database connection. Or, you can explore the graph using MATLAB functionality. If you are familiar with the Cypher® query language, you can execute Cypher queries. For details about using the MATLAB interface to Neo4j, see Graph Database.

DatabaseDatastore functionality and object properties changes

To analyze data using common MATLAB functions, such as mean and histogram, you can create a tall array using the DatabaseDatastore object. For details about using tall arrays with Database Toolbox, see Analyze Large Data in Database Using Tall Arrays.

To create a DatabaseDatastore object, use databaseDatastore instead of datastore.

The DatabaseDatastore object has two additional object properties. The VariableNames property provides the variable names of the retrieved data table. The ReadSize property specifies the number of rows to read from the retrieved data table.

The read, readall, and preview functions return data as a table.

Compatibility Considerations

- The DatabaseDatastore object properties have changed:
 - · The Cursor property has been removed.
 - Two properties are added: VariableNames and ReadSize.

For details about the object properties, see DatabaseDatastore.

· This syntax for the read function has been removed.

```
data = read(dbds, rowcount)
```

To specify the number of rows to retrieve, set the ReadSize property of the DatabaseDatastore object instead.

- The data retrieval functionality has changed:
 - The functions retrieve data as a table by default. Setting the database preference DataReturnFormat to 'table' is not required.
 - read and preview throw an error when there is no more data in the DatabaseDatastore object for reading.
 - If read finds no more data to read, hasdata returns logical 0.

Functionality being removed or changed

Functionality	What Happens When You Use It?	Use This Instead	Compatibility Considerations
bestrowid	Errors	Nothing	No replacement
clearwarnings	Errors	Nothing	No replacement
crossreference	Errors	Nothing	No replacement
driver	Errors	Nothing	No replacement
drivermanager	Errors	Nothing	No replacement
isdriver	Errors	Nothing	No replacement
isjdbc	Errors	Nothing	No replacement
isnullcolumn	Errors	Nothing	No replacement
isurl	Errors	Nothing	No replacement
register	Errors	Nothing	No replacement
unregister	Errors	Nothing	No replacement
versioncolumns	Errors	Nothing	No replacement
rsmd	Still runs	Nothing	No replacement
resultset	Still runs	Nothing	No replacement
tables(conn)	Errors	Use syntaxes with at least two input arguments instead.	Remove all instances of the tables (conn) syntax. Replace these instances with any of the remaining syntaxes. For details, see tables.

R2016a

Version: 6.1

New Features

Bug Fixes

Compatibility Considerations

MATLAB Interface to SQLite: Create, read, and write data from SQLite database files without external drivers and administration

To import and update data without an existing database or database administration, use the MATLAB Interface to SQLite. For details, see Working with the MATLAB Interface to SQLite. For the supported functions, see this table.

Function	Purpose
sqlite	Create SQLite connection.
exec	Perform database operation in the SQLite database file.
fetch	Run SQL query and import data from the SQLite database file.
insert	Export data into the SQLite database file.
close	Close SQLite connection.

fetch Function Speed Improvement: Import data faster using the JDBC driver

When you connect to a database using the JDBC driver, importing data is faster using the fetch function.

Support for 32-bit Windows removed

The Database Toolbox no longer supports connection to a database using a 32-bit driver.

Compatibility Considerations

Use a 64-bit database. Or, install a 64-bit driver that works with the 32-bit database. For details, consult with your database administrator.

For Microsoft® Access TM , see http://www.mathworks.com/matlabcentral/answers/235949-how-to-connect-to-32-bit-microsoft-access-database-from-64-bit-matlab.

Functionality being removed or changed

	,	•	
	What Happens When You Use It?	Use This Instead	Compatibility Considerations
clearwarnings	Warns	Nothing	No replacement
versioncolumns	Warns	Nothing	No replacement
crossreference	Warns	Nothing	No replacement
bestrowid	Warns	Nothing	No replacement
isnullcolumn	Warns	Nothing	No replacement

R2015b

Version: 6.0

New Features

Bug Fixes

Compatibility Considerations

ODBC Interface Functions: Export and retrieve database information using native ODBC connections

More Database Toolbox functions support the native ODBC interface for exporting data and retrieving database information and metadata. For a list of supported functions, see Connecting to a Database Using the Native ODBC Interface.

Read and Write Performance Improvements: Import and export data more quickly

Data import and export functions can retrieve and write data faster. Particularly, datainsert and update call the TRANSACTION command of SQL to insert or update records faster for these databases: Microsoft SQL Server®, MySQL®, Oracle®, and PostgreSQL.

Data Export Functions: Insert or replace data using table, structure, and dataset arrays

The datainsert and update functions can export data in tabular, dataset, and structure arrays to databases.

Functionality being removed or changed

	What Happens When You Use It?	Use This Instead	Compatibility Considerations
driver	Warns	Nothing	No replacement
drivermanager	Warns	Nothing	No replacement
isconnection	Warns	isopen	Replace all instances of isconnection with isopen.

R2015a

Version: 5.2.1

Bug Fixes

R2014b

Version: 5.2

New Features

DatabaseDatastore for applying mapreduce to data contained in relational databases

Create a DatabaseDatastore to work with large amounts of data in relational databases. Write custom functions to implement mapreduce to process large amounts of data. To create a DatabaseDatastore, you must create a DatabaseDatastore object. This object is a type of datastore

Function	Purpose
datastore	Create a DatabaseDatastore.
hasdata	Determine if a DatabaseDatastore contains more data in the cursor object.
preview	Display the first eight records in a DatabaseDatastore.
read	Read data in a DatabaseDatastore.
readall	Read every record in a DatabaseDatastore.
reset	Reset the cursor position in a DatabaseDatastore.

Scrollable cursors for accessing data using relative and absolute position inputs

Fetch data sequentially or scroll up or down in the data without executing the query again. Scrolling within the data offers advantages when you are working with a large data set. An advantage of scrollable cursors is reading data in the middle of a large data set using the cursor position offset.

Create a scrollable cursor using exec. Retrieve data from a scrollable cursor using fetch. Use relative and absolute position inputs in fetch to retrieve data starting from a specific location in the data set.

R2014a

Version: 5.1

R2013b

Version: 5.0

New Features

Fast access to ODBC connections via a native ODBC driver

Support for native ODBC database connection for Windows® platforms. The native ODBC interface is available only for the command line. To use this interface, see Using the Native ODBC Database Connection. The native ODBC interface supports the following functions:

- database
- fetch
- exec
- insert
- fastinsert
- · close

table data type support

You can return a table data type rather than a cell array. Use the setdbprefs command to set the database preference for the DataReturnFormat property to 'table'.

R2013a

Version: 4.1

New Features

fetch function accepts user-defined batch sizes

setdbprefs is updated with new properties (FetchInBatches and FetchBatchSize) that support fetch when requesting large data.

R2012b

Version: 4.0

New Features

Bug Fixes

Compatibility Considerations

Database Explorer app for interactively exchanging data with databases

dexplore starts Database Explorer, which is the Database Toolbox GUI for connecting to a database and importing data to the MATLAB workspace. Alternatively, you can start Database Explorer by selecting **Database Explorer** from the **Database** Connectivity and Reporting section of the Apps tab in the MATLAB Toolstrip.

Functionality Being Removed or Changed

Functionality	What Happens When You Use It?	Use This Instead	Compatibility Considerations
querybuilder	Warns		Continue to use querybuilder for exporting data.

R2012a

Version: 3.11

New Features

Execute .SQL Files

The new runsqlscript function lets you execute SQL commands from a .SQL file on a connected database, and store the results in a cursor array. You can input the results from executing runsqlscript to functions that accept cursor array inputs.

Improvements to the Database Constructor

When using a JDBC driver, you can input individual connection properties to the database constructor, database.

R2011b

Version: 3.10

New Features

Bug Fixes

Compatibility Considerations

Preferences Now Persistent Across MATLAB Sessions

The preferences you set using the Preference dialog box or the setdbprefs function now persist across MATLAB sessions.

Compatibility Considerations

In releases before R2011b, if you changed your preferences during a MATLAB session, these preferences would not remain in the next MATLAB session.

Change in Behavior for the update Function

update lets you update images, Booleans, doubles, and strings in a manner consistent with fastinsert.

Warning and Error ID Changes

Many warning and error IDs have changed from their previous versions. These warnings or errors typically appear during a function call.

Compatibility Considerations

If using warning or error IDs, you might need to change the strings you use. For example, if you turned off a warning for a certain ID, the warning might now appear under a different ID. If you use a try/catch statement in your code, replace the old identifier with the new identifier. There is no definitive list of the differences, or of the IDs that changed.

R2011a

Version: 3.9

New Features

New datainsert Function Exports MATLAB Cell Array Data into a Database Table

The new datainsert function inserts data from the MATLAB workspace into a database table, much like the fastinsert function. The new datainsert function is faster.

R2010b

Version: 3.8

New Features

Now Possible to Import Data into MATLAB Dataset Object

If you have Statistics Toolbox $^{\text{TM}}$ installed, you can now return a dataset object rather than a cell array. Use the setdbprefs command to set the database preference for the DataReturnFormat property to 'dataset'.

R2010a

Version: 3.7

New Features

New Connection Object Methods

Several new connection object methods provide database-specific information. The new methods are:

- database.catalogs
- · database.columns
- · database.schemas
- · database.tables

See the individual reference pages for more information on how to use these methods.

Enhanced Error Messages

New enhanced error messages provide more information about the error. For example, the 2009b error message Drivers not Found/Loaded is now Drivers not Found/Loaded. Please verify that login information and database url are valid in 2010b. This error will appear when the driver input is valid but the database URL is invalid.

Improved Write Performance

New bulk insert code templates provide significant performance upgrades.

R2009b

Version: 3.6

R2009a

Version: 3.5.1

R2008b

Version: 3.5

R2008a

Version: 3.4.1

R2007b

Version: 3.4

R2007a

Version: 3.3

New Features

setdbprefs Accepts Structure Input

The setdbprefs function now accepts a structure as input. For example, you can run the following commands to assign values to s:

```
s.DataReturnFormat = 'numeric';
s.ErrorHandling = 'report';
```

You can also do this for other setdbprefs properties whose values you want to change. Then set the preferences using the values in s by running the command:

```
setdbprefs(s)
```

For more information, see the setdbprefs reference page.

Visual Query Builder Generated M-File Includes Placeholder for Password and Assigns Preferences to Structure

When you run a query in the Visual Query Builder and select **File > Generate M-File**, the resulting M-file now includes a placeholder string password in the database statement. If a password is required for the connection, such as for connections established via JDBC drivers, substitute the password for the password string. If no password is required, the M-file will run as is. For more information, see About Generated Files.

The generated M-file assigns values for the preferences to the structure s. For more information, see the setdbprefs reference page.

Preference Added for Temporary Registry Output; Ensures Full Output for getdatasources

When you use getdatasources to view the data sources for your system, ensure that you view all data sources by specifying a temporary, writable, output directory using the new preference, TempDirForRegistryOutput. This is useful when you add data sources and do not have write access for the MATLAB current directory, where the toolbox temporarily writes ODBC registry settings. Without write access, getdatasources does not always return data sources you added. In that event, run setdbprefs to specify a value for the TempDirForRegistryOutput preference, where the value is the full path name to a directory for which you have write access.

R2006b

Version: 3.2

New Features

Bug Fixes

Compatibility Considerations

Enhanced fetch Combines exec with Existing fetch

The new function, database.fetch, executes the specified SQL query and imports results into the MATLAB workspace, given the connection handle conn. It is provided for convenience, to combine capabilities of the existing exec and cursor.fetch functions. In statements and code, do not specify database.fetch or cursor.fetch but rather, just specify fetch with the appropriate objects provided as arguments; the toolbox runs database.fetch or cursor.fetch as appropriate based on the arguments.

Unlike cursor.fetch, database.fetch does not return a cursor object on which you can run subsequent Database Toolbox functions, but rather returns all data to a MATLAB variable. For more information about database.fetch and how it differs from cursor.fetch, see the fetch reference page, as well as the database.fetch and cursor.fetch reference pages.

Import Data from Multiple Resultsets

The new function, fetchmulti, imports data into the MATLAB workspace from multiple resultsets, which you retrieve via an exec call to a stored procedure that contains two or more select statements.

Run Stored Procedures to Return Output Parameters

The new function, runstoredprocedure, executes a stored procedure using input parameters specified in a cell array to return output parameters. This allows you to retrieve the value of a variable into a MATLAB variable. runstoredprocedure overcomes a limitation of exec; when you run a stored procedures via exec, you can only retrieve resultsets.

Specify Catalog and Schema Using Visual Query Builder

You can now specify the catalog and schema for a data source using the Visual Query Builder. The default is none, meaning you do not need to select values for them.

Preferences Option to Find Additional Data Sources

The new setdbrprefs option, UseRegistryForSources, instructs the Visual Query Builder to search the Microsoft Windows registry to find any ODBC data sources not uncovered using the system ODBC.INI.

MATLAB Change to Assignment of Nonscalar Structure Array Fields Might Impact Database Toolbox Users

In Version 7.3 (R2006b) of the MATLAB software, a change was made to how a nonscalar structure array field is assigned to a single MATLAB variable. For more information, see Assigning Nonscalar Structure Array Fields to a Single Variable in the MATLAB Release Notes.

Compatibility Considerations

As a result of this change in the MATLAB software, you may need to modify your Database Toolbox M-files.

R2006a

Version: 3.1.1

R14SP3

Version: 3.1

New Features

fastinsert Function Added

There is a new function, fastinsert, that you can use instead of the insert function to export data about three times more quickly than insert. It also allows exporting for all object types, so that any data you can retrieve from a database you now can export to the database, including binary objects.

While there are no known problems with fastinsert, if you receive unexpected results, return to using insert and report the problem with fastinsert via Technical Support.

Note that the Visual Query Builder insert feature uses the insert function instead of fastinsert.

JDBC Drivers Now Supported for Visual Query Builder on Microsoft Windows Systems

You now can use the Visual Query Builder (VQB) with JDBC drivers on Windows platforms. Previously, only ODBC drivers were supported.

The confds function now displays an enhanced dialog box you use to define JDBC data sources. With it, you save and load data source information via MATLAB MAT-files.

For details, see Setting Up JDBC Data Sources in the Database Toolbox documentation.

Define Data Sources from Within the Visual Query Builder

The Visual Query Builder now includes two new items under the **Query** menu:

- **Define ODBC Data Source**—Directly access your Windows ODBC Data Source Administrator dialog box where you define ODBC data sources.
- Define JDBC Data Source—Access the Define JDBC Data Source dialog box for defining JDBC data sources to use with the VQB. The function equivalent is confds. When you define a JDBC data source, the information is saved in a MAT-file so you can use it again in a later session. Later, open the MAT-file using the Define JDBC Data Source dialog box, or using

```
setdbprefs('JDBCDataSourceFile','fullpathtomatfile').
```

For details, see Configuring Your Environment in the Database Toolbox documentation.

setdbprefs Function Enhanced

New arguments are supported for defining the JDBC data source MAT-file. For details, see the setdbprefs reference page.

Dynamically Add JDBC Drivers File

You can dynamically add a JDBC drivers file to the MATLAB Java® classpath using the MATLAB javaaddpath function. You can use this method instead of adding a pointer to the JDBC drivers file in your classpath.txt file. The advantage of using javaaddpath is that you do not have to restart the MATLAB software session after running the javaaddpath statement. The disadvantage is that this only applies to the current session and so you need to run the javaaddpath statement in each new session. For details, see Setting Up JDBC Data Sources in the Database Toolbox documentation.

64-Bit FLOAT for Microsoft SQL Server Software Is Fully Supported

You now can retrieve 64-bit FLOAT data using Microsoft SQL Server software.

Generate M-File from VQB

After running a query using the Visual Query Builder, you can generate an M-file consisting of Database Toolbox functions that perform the query. This is useful if you know how to run queries with the VQB and want to determine the equivalent functions, particularly the SQL statements in exec and insert.

update Function Enhanced to Export Multiple Records

The update function has been enhanced so that you can export multiple records based on different where clauses. The number of where clauses must equal the number of records in the array of data you are exporting. For details, see the reference page for update.

logintimeout Function Now Supported on Linux Platforms

The logintimeout function is now supported on Linux® platforms.

R14SP2

Version: 3.0.2