TRIPsql SDK v8.0-0

Change History

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Email: de.tripsupport@infinit-services.de
Web: http://infinit-services.de

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About This Document

This document contains the change history for TRIPsql.

Version 8.0-0

News in v8.0-0

Support for TRIPsystem 8

The TRIPsql SDK drivers can now be used with TRIPsystem version 8.x.

Namespace and package changes

The TRIPado namespace has changed from Tieto.TRIP.Ado to InfinITServices.Trip.Ado.

The JDBC package name has changed from com.tieto.trip.jdbc to de.infinitservices.trip.jdbc.

New JDBC driver URL syntax

The URL for the JDBC driver has been changed to jdbc:infinitservices:trip://host[:port][;iniFile=][;language=]

Required .NET Framework set to 4.6.1

The required version of the Microsoft .NET framework is now 4.6.1. This applies to the installation program for Windows, and to the ADO.NET provider.

Corrected in v8.0-0

There are no corrected issues in version 8.0-0.

Version 2.1-0

News in v2.1-0

Use JDBC with Java 7 and 8 [SQL-60]

The JDBC driver can now be used with the Java 7 and 8 runtimes, although most of the JDBC 4.1 additions are only stubs and will throw a SQLFeatureNotSupportedException if called.

Single installer for Windows [SQL-62]

All components for the Windows version of TRIPsql are now installed via single

installation program. If TRIPsystem is available, the appropriate version (32-bit or 64-bit) of the SQL engine will be configured for use. If TRIPsystem is not installed, the SQL engine files will be installed but not configured. The ODBC driver, JDBC driver and ADO.NET provider are always installed.

Corrected in v2.1-0

TEXT fields accessed via ADO provider are empty [SQL-63]

When retrieving TEXT fields values via the ADO.NET provider, the SQL engine always returned empty strings regardless of actual value.

Version 2.0-0

News in v2.0-0

ADO.NET data provider [R1037]

An ADO.NET data provider for TRIPsql is now available.

64-bit version of the ODBC driver [R1383]

The ODBC driver is now available in a 32-bit as well as a 64-bit version.

Both versions can be installed on the same time on a 64-bit system like Windows 7. If you are running a 32-bit application, like Microsoft Excel, it will use the 32-bit driver. 64-bit applications will use the 64-bit driver.

Remove need for TRIPclient installation [R1384]

The ODBC driver no longer requires a TRIPclient installation. However, a TRIPclient license is still required on the server that the ODBC driver is used to connect to.

New JDBC driver package name

The package name of the JDBC driver has been changed to com.tieto.trip.jdbc.

New JDBC driver URL syntax

The URL for the JDBC driver has been changed to jdbc:tieto:trip://host[:port][;iniFile=][;language=]

JDBC HOST property renamed

To follow the JDBC 4.0 specification for DataSource properties, the "HOST" property has been renamed to "serverName".

JDBC PORT property renamed

To follow the JDBC 4.0 specification for DataSource properties, the "PORT" property

has been renamed to "portNumber".

JDBC DataSource class

The javax.sql.DataSource interface is now implemented by the JDBC driver. This is acccompanied by the class DataSourceFactory, which implements javax.naming.spi.ObjectFactory. These two can together be used instead of the Driver class to obtain a TRIPsql JDBC connection via JNDI lookup.

JDBC Array.getArray(index,count)

The getArray(index,count) method of the java.sql.Array interface is implemented. Use it to get a slice of the array.

JDBC Blob.getBinaryStream(pos,length)

The getBinaryStream(pos,length) method of the java.sql.Blob interface is implemented. Use it to get an InputStream object that contains a partial Blob value.

JDBC ResultSet.getBoolean

The getBoolean methods of the java.sql.ResultSet interface are implemented.

JDBC ResultSet.getAsciiStream

The getAsciiStream methods of the java.sql.ResultSet interface are implemented. Use it with columns of type VARCHAR and LONG VARCHAR.

JDBC ResultSet.getBinaryStream

The getBinaryStream methods of the java.sql.ResultSet interface are implemented for the types LONG VARCHAR and LONGVARBINARY (i.e. the TRIP field types TEXT and STRING).

JDBC ResultSet.getBytes

The getBytes methods of the java.sql.ResultSet interface are implemented for the types LONG VARCHAR and LONGVARBINARY (i.e. the TRIP field types TEXT and STRING).

JDBC ResultSet.getCharacterStream

The getCharacterStream methods of the java.sql.ResultSet interface are implemented. Use it with columns of type VARCHAR and LONG VARCHAR.

JDBC ResultSet.getRow

The getRow method of the java.sql.ResultSet interface has been implemented.

Corrected in v2.0-0

Intermittent ArrayIndexOutOfBoundsException from ResultSet class [B1019]

For result sets larger than 20 rows an ArrayIndexOutOfBoundsException could be thrown from the ResultSet class in the JDBC driver during retrieval of the last rows in the set.

Version 1.1-0

News in v1.1-0

Primary keys [R0546]

ODBC Driver:

- The function SQLSpecialColumns in the ODBC driver will now give as result the primary key column of the specified table when the IdentifierType argument is SQL_BEST_ROWID. If no primary key column exists, it will return the record id pseudo column "R" instead.
- The ODBC driver now supports the SQLPrimaryKeys function that returns the column name that make up the primary key for a table.

JDBC Driver:

- The DatabaseMetaData method getBestRowIdentifier has been implemented.
- The DatabaseMetaData method getPrimaryKeys has been implemented.

Referential integrity [R0547]

JDBC Driver:

- The DatabaseMetaData method getCrossReference has been implemented.
- The DatabaseMetaData method getExportedKeys has been implemented.
- The DatabaseMetaData method getExportedKeys has been implemented.

NOTE: This feature requires TRIPsystem 4.2 or later.

JDBC driver: Unsupported empty-set DatabaseMetaData methods [R0680]

There were several methods in the DatabaseMetaData that threw an UnsupporedOperationException when they really should have been implemented as returning empty result sets.

- getAttributes
- getCatalogs
- getSuperTables
- getSuperTypes

Corrected in v1.1-0

ODBC driver produces text from TRIP in UTF-8 [B0673]

Text is now returned in the same character encoding as is the default on the system on which the ODBC driver is executing.

ODBC driver: Risk of crash in date value conversion [B0676]

There was an error in an SQL-to-C type conversion routine that could cause conversion of date values to fail fatally where the buffer was just enough to fit the converted data.

Known Remaining Issues

A join between more than two tables always behaves like an inner join [B1394]

If a SELECT statement joins more than two tables using an OUTER JOIN operation, the result will be equivalent to an INNER JOIN.

Server process sometimes hang or crash if unicode session is used [TRSQL-64]

When using the ADO.NET provider against a Windows installation of TRIPsystem, retrieval of TEXT field values may cause the tbserver process to hang or crash. This only affects Unicode sessions. As a workaround, disable Unicode by adding "Use Unicode=false" to your connection string.