

# Installation and Configuration of ODBC Driver

If you have installed a MySQL database (according to one of the previous chapters), continue with the ODBC configuration.

For EaInfoport to work, Enterprise Architect needs to have data saved in a relational database (not just in .eap file).

ODBC drivers are required to connect Enterprise Architect and the database. They are freely available for all supported database types.

Below is a detailed procedure for MySQL, for other databases the procedure is similar.

## ODBC Installation for MySQL

- Download the installation file for the **32-bit** version from the **5.x.x series** from <https://downloads.mysql.com/archives/c-odbc/>. So currently mysql-connector-odbc-5.3.13-win32.msi.  
Save the file, for example, to the folder *C:\EAInfoport\Dataprojekt*
- Start the installation, confirm the licence, complete the installation  
Delete the installation file

## ODBC Configuration for MySQL

- Start the ODBC connection management application “**ODBC Data Sources (32-bit)**”
- Switch to the **User DNS** tab (attention: important!)
- Add a new Data Source type “MySQL ODBC 5.3 ANSI Driver”
- Fill in the connection parameters according to the following pattern (and according to the values you entered when installing the MySQL database), and **do not forget the Detailed Settings**
  - *Data Source Name* = *ea*
  - *TCP/IP Server* = *localhost*

- User = infoport
- Password = P@ssw0rd

MySQL Connector/ODBC Data Source Configuration

MySQL Connector/ODBC

Connection Parameters

Data Source Name:

Description:

☒ TCP/IP Server:  Port:

☐ Named Pipe:

User:

Password:

Database:

Connection Metadata Cursors/Results Debug SSL Misc

☒ Allow big result sets ☐ Can Handle Expired Password

☐ Use compression ☐ Enable Cleartext Authentication

☐ Enable automatic reconnect ☐ Disable default SSL

☐ Don't prompt when connecting ☐ Get Server Public Key

☒ Allow multiple statements

☐ Interactive Client

Character Set:

Initial Statement:

Plugin Directory:  ...

Authentication:

Details <<

## Connection tab

- Check *Allow big result sets*
- Check *Allow multiple statement*

MySQL Connector/ODBC Data Source Configuration

MySQL Connector/ODBC

Connection Parameters

Data Source Name: ea

Description: EA repository

☒ TCP/IP Server: localhost Port: 3306

☐ Named Pipe:

User: infoport

Password: .....

Database: ea Test

Connection Metadata Cursors/Results Debug SSL Misc

☒ Allow big result sets ☐ Can Handle Expired Password

☐ Use compression ☐ Enable Cleartext Authentication

☐ Enable automatic reconnect ☐ Disable default SSL

☐ Don't prompt when connecting ☐ Get Server Public Key

☒ Allow multiple statements

☐ Interactive Client

Character Set:

Initial Statement:

Plugin Directory: ...

Authentication:

Details << OK Cancel Help

### Cursors/Results tab

- Check Return *matched rows instead of affected rows*

MySQL Connector/ODBC Data Source Configuration

MySQL Connector/ODBC

Connection Parameters

Data Source Name: ea

Description: EA repository

☒ TCP/IP Server: localhost Port: 3306

☐ Named Pipe:

User: infoport

Password: .....

Database: ea Test

Connection Metadata **Cursors/Results** Debug SSL Misc

☐ Enable dynamic cursors

☐ Disable driver-provided cursor support

☐ Don't cache results of forward-only cursors

☐ Force use of forward-only cursors

☐ Prefetch from server by rows at a time

☒ Return matched rows instead of affected rows

☐ Enable SQL\_AUTO\_IS\_NULL

☐ Pad CHAR to full length with space

☐ Return SQL\_NULL\_DATA for zero date

Details << OK Cancel Help

## Misc tab

- Check *Prepare statements on the client*

MySQL Connector/ODBC Data Source Configuration

MySQL Connector/ODBC

Connection Parameters

Data Source Name:

Description:

☒ TCP/IP Server:  Port:

☐ Named Pipe:

User:

Password:

Database:

Connection Metadata Cursors/Results Debug SSL **Misc**

☐ Enable safe options (see documentation)

☐ Don't use setlocale()

☐ Ignore space after function names

☐ Read options from my.cnf

☐ Disable transaction support

☐ Bind minimal date as zero date

☒ Prepare statements on the client

☐ Bind BIGINT parameters as strings

☐ Disable Date Overflow error

☐ Enable LOAD DATA LOCAL INFILE statemen

- Save the settings
- Now you can close the ODBC Data Source Administrator application (32-bit)

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