

Configure a Database resource



Version Warning

The content below is for Apache Syncope <= 1.2 - for later versions the [Reference Guide](#) is available.

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Warning

The DB Connector does not support synchronization of roles. If you also require role synchronization you should use a [scripted SQL resource](#) instead.

Introduction

This wiki page shows all the steps needed to configure an external Database Table resource identified by the following connection parameters:

```
Host: localhost
Port: 3306
User: root
User Password: password
JDBC Connection URL: jdbc:mysql://localhost:3306/demo
Database: demo
Table: test
```

In order to link an external Database Table resource there are pre-requisites and configuration steps to be satisfied.

Pre-Requisites

1. Download JDBC driver (MySQL JDBC driver in this case) and include it into your JEE container classpath.
2. [Install ConnId Database Table connector bundle](#).

Configuration steps

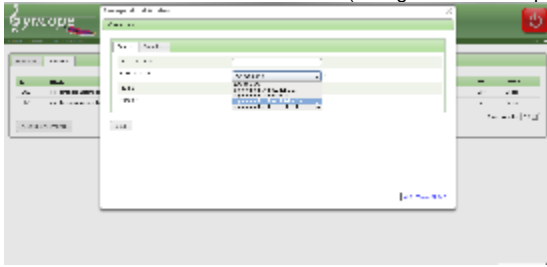
1. [Configure Database Table connector instance](#).
2. [Configure Database Table resource](#).

Configure Database Table connector instance

Please, take a look at all configurable parameters at [Database Table Connector Configuration](#) and use this page as reference to provide your configuration.

1. Open your browser and access to the Syncope administration console (<http://host:port/syncope-console>).
2. Log into the interface by providing the following credentials:
 - a. Login: admin
 - b. Password: password
3. Click on the *Resources* tab.
4. Click on the *Connectors* sub-tab.

- Click on *Create new Connector* button (configuration modal page appears).



- Click on tab *General*.
 - Provide *Display name* (e.g. 'Db Table Demo') and the correct *Bundle name* (org.connid.bundles.db.\${version}).
- Click on tab *Configurations* and provide connector instance configuration.

User: **root**

Password: **password**

Host: **localhost**

TCP Port: **3306**

JDBC Connection URL: **jdbc:mysql://localhost:3306/demo**

JDBC Driver: **com.mysql.jdbc.Driver**

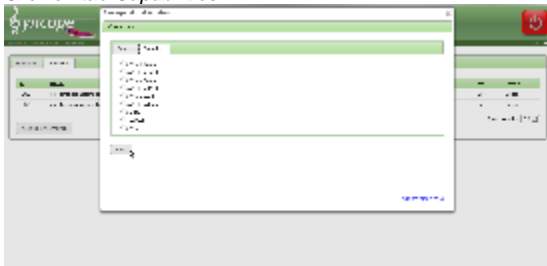
Database: **demo**

Table: **test**

Key Column: **id**



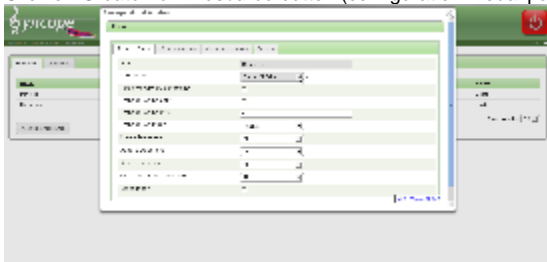
- Click on tab *Capabilities*.



- Check needed capabilities as shown at [Connector instance configuration](#).
- Click on *Save* button.

Configure Database Table resource

- Click on the *Resources* tab.
- Click on the *Resources* sub-tab.
- Click on *Create new Resource* button (configuration modal page appears).



- Click on *Resource Details* tab.
- Choose from the list the correct *Connector* instance name.
- Provide the following information
 - Name: DbTable-Demo
 - Connector: Demo Db Table

The screenshot shows the PyCharm IDE interface. The top toolbar includes icons for Run, Debug, and other development tools. Below the toolbar, a table displays the results of a test run. The table has columns for 'Test', 'Status', 'Duration', and 'Error'. The first row shows a test named 'test' with a status of 'Success', a duration of '0.00s', and no error. The second row shows a test named 'test' with a status of 'Failure', a duration of '0.00s', and an error message 'AssertionError: 1 != 2'.

Internal mapping types	Internal mapping	External Attributes	Mandatory condition	Account Id	Password
Username			true	X	
Password			true		X
UserSchema	surname	surname	true		
UserSchema	firstname	firstname	false		
UserSchema	email	email	false		