

ScriptedSQL Connector

Status

Functionality	Stable
Support status	Supportable
Support provided by	Evolveum
Origin	OpenICF, adopted by Evolveum
Target systems	Generic SQL databases (JDBC)

Description

Generic SQL connector.

The connector can be described as a "wrapper" for scripts (e.g. Groovy) where the actual implementation of the operations (Create, Update, Delete etc.) is provided.

Protocol	JDBC
Framework	ConnId 1.5.0.0 or later
Bundle name	com.evolveum.polygon.connector-scripted-sql
Connector name	com.evolveum.polygon.connector.scripted.sql.ScriptedSQLConnector

Capabilities and Features

Provisioning	YES	
Live Synchronization	YES	
Password	YES	
Activation	YES	
Filtering changes		
Paging support	YES	
Native attribute names	YES	

History

This connector was originally developed in OpenICF project. This version of the connector was heavily updated during 2018. Scripts used with [ScriptedSQL Connector \(deprecated\)](#) have to be modified.

Connector history continues in the spring of 2019, when Evolveum adopted the connector. Additional fixes were provided and connector architecture changed to PoolableConnector. Poolable connector let midPoint decide over the connection objects life cycle rather than relying on deprecated tomcat7 connection pool (which was replaced). As a consequence of this change, **parameters from previous connector version are not compatible with new poolable connector** as connection data source changed. However migration is fairly easy, just make sure at least following resource parameters are set (on top of providing usual script file names for groovy part of the connector):

Parameter	Example value
jdbcDriver	com.microsoft.sqlserver.jdbc.SQLServerDriver
jdbcUriTemplate	jdbc:sqlserver://localhost\DBInterface:1433
user	midpoint

password	*****
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Connection Validation Query parameter was dropped since checkAlive method uses less costly methods to validate connection pulled from the pool.

Versions

Version	Origin	Binary	Sources	Build Date	Framework Version	Bundled with midPoint	Description
2.0	Polygon	download jar	GitHub (v2.0 tag)	N/A	1.5.0.0	No	1.4.2.14
2.1	Polygon	download jar	GitHub (v2.1 tag)	2019/09/09	1.5.0.0	No	Fixes: Binary attribute support Improvements: Poolable connector, relative changes update. Resource settings not compatible with previous version , see History section.
2.2	Polygon	download jar	GitHub (v2.2 tag)	2020/09/29	1.5.0.0	No	Minor fixes (dependency upgrades)
2.2.1	Polygon	download jar	GitHub (v2.2.1 tag)	2020/10/12	1.5.0.0	No	JUL logging fix

Logging

Use implicit log variable in your resource script as follows:

```
log.info("Entering " + operation + " Script")
```

Turn on midPoint logging for specific script file name. For instance for SearchScript.groovy use:

<input type="checkbox"/>		com.evolveum.midpoint.connector.idap.schema.AbstractSchemaTranslator	ERROR	implemented
<input type="checkbox"/>		SearchScript	ALL	IDM_LOG

Documentation

- [TODO](#)

Resource Examples

- [Any Database \(ScriptedSQL\)](#)