

# DaticalDB4Jenkins

## Plugin Information

View DaticalDB4Jenkins on the [plugin site](#) for more information.

This plugin adds [Datical DB](#) support to Jenkins and requires Datical DB to be installed.

## Screenshot

Global Configuration:

**Datical DB**

Datical DB Command Directory  ?

Fully qualified location of Datical DB CLI command. (e.g., C:\DaticalDB\repl\hammer.bat or /opt/DaticalDB/hammer).

Database Drivers Directory  ?

Absolute Path on Build Server to Database Drivers used by Datical DB

Project Configuration

**Datical DB**

Project Dir  ?

The Datical DB Project Directory is the path location of your Datical DB Project folder. This will contain a datical.project file.

Typically, this will be a relative path as it will be created by Jenkins during source code checkout. If you Datical DB Project is stored in the db folder under the root of your source tree and is named "My Project", you should enter ./db/My Project. (from [DaticalDB4Jenkins](#))

Parameters  ?

The Datical DB Server Name is the name of the server you wish to manage with Datical DB. You can determine this value by opening Datical DB and choosing a server listed in your Deployment Plan. Directory is the path location of your Datical DB Project folder. This will contain a datical.project file. (from [DaticalDB4Jenkins](#))

Action  ?

The Datical DB Action is the action you wish Datical DB to perform.

This can include the following:

- Forecast - provides a report detail the changes, if any, that will be applied to your database along with impact analysis. This does NOT commit changes to your database. This file will be stored in your build workspace. Requires DB Server specification.
- Snapshot - reverse engineers your database schema to a Datical DB XML file. This file will be stored in your build workspace. Requires DB Server specification.
- Deploy - executes any changes required as detailed in your Project. This will generate a report detailing the changes and be stored in your build workspace. Requires DB Server specification.
- Status - provides the current status of the database in relation to your Project. DB Server specification is optional.
- Status (Detailed) - details the current status of the database in relation to your Project. DB Server specification is required.
- Check Drivers - validates the appropriate JDBC driver is available to Datical DB for your specific Project. The location of the drivers is specified in the Jenkins global config. (Jenkins --> Manage Jenkins --> Configure System --> Datical DB)
- Check Rules - validates the Rules located in your Datical DB project.
- Generate Change Log from Differences - generates a new Change Log representing the difference between two databases in your Datical DB project. Two Servers are required (e.g., Source Target). diffChangelog reference db target db -output path. Output is optional.
- Generate Report from Differences - like the previous Action, generates a report representing the difference between two databases in your Datical DB project. Two Servers are required (e.g., Source Target). diff reference db target db.
- History - provides a history report of changes applied to your database(s).
- Rollback - Roll the target database back to a given revision, date or by number of steps.
- Deploy with Auto Rollback - Identical to "Deploy" but will Automatically Rollback to previous state in event of error.
- Create Datical Project - Creates a new Datical Project in the Project Directory. Useful for when you are only provided the changelog.xml file.
- Create New Database Definition - Adds a new Database Definition to an existing Datical Project. (e.g., DbDefClass MySQLDbDef name Dev username datical password password hostname localhost port 3306 database dev)
- Install License - Installs a license file. Requires the path to the new license file.
- Set Property - Set a Datical DB Property in daticaldb.properties.
- Create Datical Project (project\_creator.groovy) - Creates a Datical Project using Provisioning Files. See project\_creator.groovy in repl/scripts.
- Baseline Datical Project (project\_baseline.groovy) - Baselines a Datical Project. See project\_baseline.groovy in repl/scripts

(from [DaticalDB4Jenkins](#))

Advanced Project Configuration

Datical DB Command

The Datical DB Command is the fully qualified location of the Datical DB CLI command. It will override the Global Datical DB Command. This is typically not needed.  
This should be a fully qualified file path such as C:\DaticalDB\repl\hammer.bat or /opt/DaticalDB/repl/hammer. (from [DaticalDB4Jenkins](#))

Export SQL

When checked for Deploy and Forecast actions, Datical DB will export SQL to be run against the target server. (from [DaticalDB4Jenkins](#))

Export Rollback SQL

When checked for Deploy and Forecast actions, Datical DB will export Rollback SQL to be run against the target server. When checked for Rollback, will only export SQL and NOT perform a Rollback. (from [DaticalDB4Jenkins](#))

Datical DB Script Dir

The Datical DB Script Directory is the fully qualified location of the Datical DB Scripts.  
This should be a fully qualified file path such as file:/C:\DaticalDB\repl\scripts or /opt/DaticalDB/repl/scripts. (from [DaticalDB4Jenkins](#))

## Change Log

### Version 1.0.38 (May 18, 2015)

- Added support for Convert SQL Groovy script.

### Version 1.0.35 (March 30, 2015)

- Added support for Groovy scripts.

### Version 1.0.23 (October 6, 2014)

- Added support for Check Rules.

### Version 1.0.22 (June 26, 2014)

- Added support for Export SQL for Rollback. Previously, this was only available for Forecast and Deploy.

### Version 1.0.21 (June 19, 2014)

- Added support for Export SQL and Export Rollback SQL

### Version 1.0.20 (Apr 28, 2014)

- Added support for installing a License Key

### Version 1.0.19 (Apr 21, 2014)

- Added support for newProject and newDBDef commands. Used for when you want to create a Datical DB project dynamically.

### Version 1.0.18 (Feb 17, 2014)

- Added ability to set Project specific Datical DB Command and override Global setting. Useful for Master-Node installs.

### Version 1.0.16 (Feb 14, 2014)

- Added support for Status Details action.

### Version 1.0.15 (Feb 7, 2014)

- Added support for Rollback and Auto Rollback actions.

### **Version 1.0.14 (Nov 12, 2013)**

- Replaced Radio Buttons with Select list.
- Added support for Diff and History actions.

### **Version 1.0.13 (Nov 8, 2013)**

- Fixed diffChangelog issue on Linux.

### **Version 1.0.12 (Nov 2, 2013)**

- Added support for new diffChangelog functionality.

### **Version 1.0.6 (Sep 24, 2013)**

- JENKINS-19667 - Fixed path issue on non-Windows platforms.

### **Version 1.0.4 (Jun 17, 2013)**

- Initial Release