

# Configuring a new server datasource



This guide is applicable to Mirth Connect 1.x. Mirth Connect 2.x contains some of the files mentioned in `mirth-dbconf.jar`, and Mirth Connect 3.x requires additional changes to add a new server datasource.

There are several steps that need to be taken to add support for a new database in Mirth.

**Step 1:** Add the DDL script. These reside in the `%MIRTH_HOME%/conf/database` directory with the filename `database-database.sql`. This file is executed by iBATIS when Mirth Connect is run for the first time only if the `CONFIGURATION` table is not found. This means that you can skip this step by running the script to create the tables using your preferred DB tool before starting the server for the first time. The code for executing the script can be found in `DatabaseUtil.java#executeScript`.

The RDBMS is selected by setting the `database` property in the `%MIRTH_HOME%/conf/mirth.properties` file. Note that the value of that property must match the subsequent references to `database`. Some example values are `postgres` or `firebird`.

**Step 2:** Add the connection properties. This is in the `%MIRTH_HOME%/conf/database` directory in a file named `database-SqlMapConfig.properties`. This includes a reference to the driver for the database, the URL, and your credentials.

**Step 3:** Add the iBATIS scripts. These are in a new folder in the `%MIRTH_HOME%/conf` directory named `database`. You should copy the files from an existing database and replace/modify the statements for your RDBMS. Each statement is called by the Mirth Connect server.

**Step 4:** Add your JDBC driver jar file to the server's classpath by placing it in the `%MIRTH_HOME%/custom-lib` directory and restarting the server.