

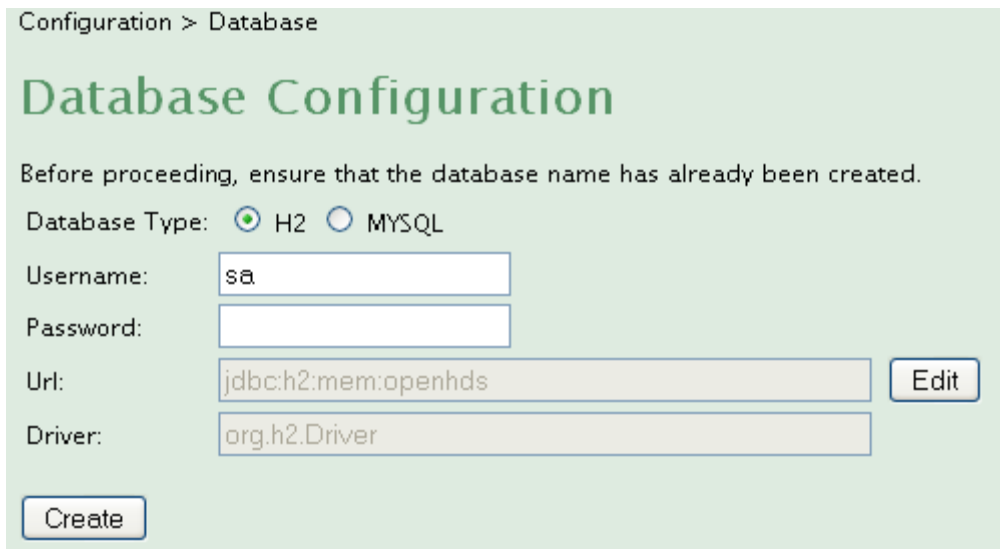
OpenHDS Database Configuration

Database Configuration can be performed in two ways, using the Web Form or by modifying a configuration file. This tutorial will demonstrate both approaches.

Modifying the Database Configuration with the Web Form

The Web Form can be accessed under CONFIGURATION -> Database

Note that changes made with this form may be overridden when reinstalling OpenHDS. See below for an alternative.



The screenshot shows a web form titled "Database Configuration" with a breadcrumb "Configuration > Database". Below the title is a warning: "Before proceeding, ensure that the database name has already been created." The form includes a "Database Type" section with radio buttons for "H2" (selected) and "MYSQL". There are input fields for "Username" (containing "sa"), "Password" (empty), "Url" (containing "jdbc:h2:mem:openhds"), and "Driver" (containing "org.h2.Driver"). An "Edit" button is next to the "Url" field. At the bottom left is a "Create" button.

The default configuration is an in-memory H2 database. This web form also supports setting up a MySQL database. Make sure that the database name specified already exists before pressing 'create'. Once the create button is pressed, the required data scripts will be executed and the OpenHDS database will be ready for use. The application will need to be redeployed.

Modifying the Database with the Configuration File

In the Tomcat installation, you will should find the `openhds/WEB-INF/classes/database.properties` file. This file can be edited directly, or, to make sure changes survive a reinstallation of OpenHDS you may copy this file to one of the following paths:

- `/etc/openhds/` (linux)
- `$HOME/.config/openhds/` (linux)
- `$HOME/Library/Preferences/OpenHDS/` (Mac)
- `$HOME/Local Settings/Application Data/OpenHDS/` (Windows)

(On Windows, \$HOME will be something like "C:\Documents & Settings\NAME".)

This file contains the same information as the Web Form, such as the following:

```

dbDriver=org.h2.Driver
hibernateExport=create
dbUser=hds
dbPass=
dbUrl=jdbc:h2:tcp://localhost/mem:openhds
hibernateDialect=

```

These properties are described below.

property	values	description
dbDriver	com.mysql.jdbc.Driver	Connects to a MySQL database
	org.h2.Driver	In-memory H2 database
hibernateExport	validate	Validate existing DB schema; do not change DB
	update	Update DB schema
	create	Create schema clearing all data
	create-drop	Create and delete data at session end
dbUser	<i>username</i>	MySQL authentication
dbPass	<i>password</i>	MySQL authentication
dbUrl	jdbc:h2:mem:openhds	H2 database connection
	jdbc:mysql://localhost/openhds?createDatabaseIfNotExist=true	MySQL database connection
hibernateShowSql	true	Use to log all SQL queries
hibernateDialect	org.hibernate.dialect.MySQL5InnoDBDialect	Use if DB is MySQL
dbType	H2	
	MYSQL	