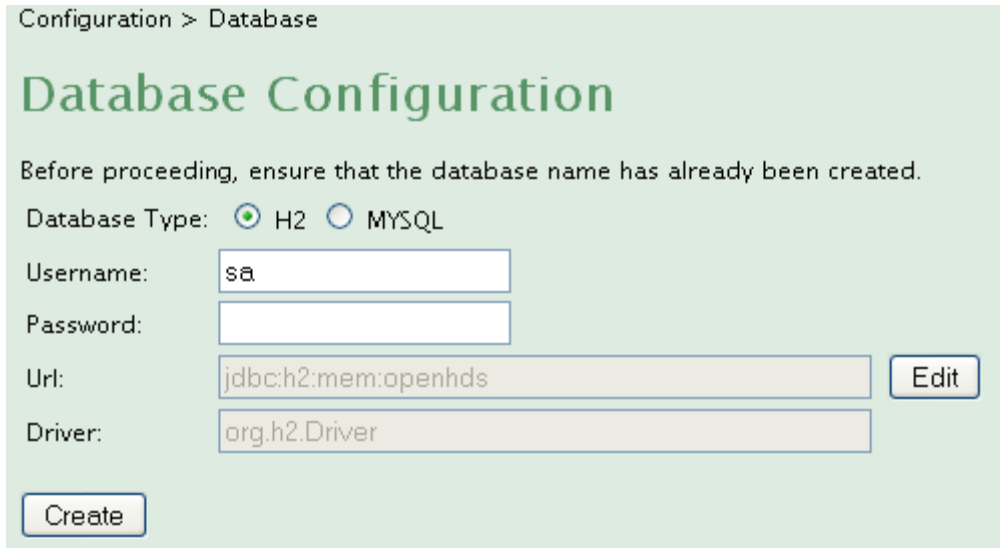


# OpenHDS Database Configuration

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



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

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 Tomcat, you will need to proceed to the openhds\WEB-INF\classes\database.properties file. This file contains the same information as the Web Form, such as the following:

```
dbDriver=com.mysql.jdbc.Driver
hibernateExport=create
dbUser=root
dbPassword=password
dbUrl=jdbc:mysql://localhost/openhds
```

If you wish to configure your own database, you are responsible for setting up the proper dependencies yourself.

The following values may be used:

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	username	MySQL authentication
dbPassword	password	MySQL authentication
dbUrl	jdbc:h2:tcp://localhost/mem:openhds	H2 database connection
	jdbc:mysql://localhost/openhds? createDatabaseIfNotExist=true	MySQL database connection