

# SlenderCoreServices Requirements and Installation

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Author:

- Heinrich van den Ende

Team:

- Heinrich van den Ende
- Nicolas Wessels
- Jannik Richter
- Mathew Renaud

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## Requirements

For this API the following libraries are required.

These libraries are available with Netbeans 8.0. Download link:

<https://netbeans.org/downloads/start.html?platform=windows&lang=en&option=javaee>

- Hibernate 4.x
- Persistence JPA 2.0

These libraries can be found in the 'libs' folder of the SlenderRestAPI

- my-sql-connecter-java-5.1.23
- javax.faces\_2.1.7
- SlenderwareDomain

## Create a MySQL database

Create a MySQL database using phpMyAdmin or any other MySQL database software. The database details are as follows:

Database Name:	gdqmxhyb_dev_slen
Port Number	3306
Database Username:	gdqmxhyb_slen
User Password	Request password from Slenderware team

## Create MySQL database connection on Netbeans

Follow these steps after the MySQL database has been created.

- Navigate to 'Services' tab.
- Right-click -> New connection (Use Apache Server if asked).
- Select MySQL from the 'Driver' box (If MySQL is not found download the required Netbeans).
- Select next.
- Set the database name, username and password.
- Select finish.

## Connect to MySQL database connection

- Navigate to 'Services' tab.
- Expand the databases node.
- Right-click Slenderware database. (Possibly: "jdbc:mysql://[domain]:3306/gdqmxhyb\_dev\_slen/\*")
- Select 'Connect'.

## Adding libraries using maven

- Right-click on project in the 'Projects' view.
- Select 'Build with Dependencies' (Or just 'Build').
- The dependencies will now download.

## Adding libraries to project

- Right-click on project in the 'Projects' view.
- Select 'Properties'.
- Select 'Libraries' node.
- Select 'Add Library'
  - Select all the libraries that is part of the Netbeans version. See Requirements section.
- Select 'Add JAR/Folder'
  - Select all the JAR files in the 'libs' folder in the project's root directory.

## Building the Slender Core Services API

- Right-click on project in the 'Projects' view.
- Click on 'Clean and Build'.

## "SlenderCoreServices" Packages Guide

### Package Distribution

This module is divided into 6 packages. Each package is related to an entity (`Project`, `Task`, `Users`, `Comment`, `Company`, `Session`).

The functions in these packages are distributed in relation to the related entity's ID. For example: If the projects of a user needs to be found, then the function would be in the `UserService` package, because the required projects (the return) needs to be retrieved using the *users* ID (input).

See the Java Docs for further instructions.