

Installation for Developers On Windows

Setting Up OpenMRS Developer Environment

(Windows 10)

Dependencies

Before building and compiling OpenMRS you must install the following dependencies:

Java JDK and JRE

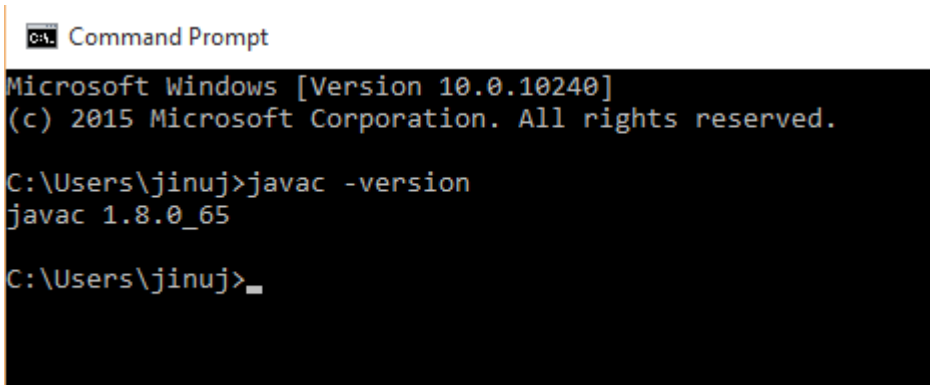
Check for JDK by going to the command prompt and typing:

```
javac -version
```

The result should be:

```
javac 1.8.0_65
```

or whatever version you currently have



```
C:\> Command Prompt
Microsoft Windows [Version 10.0.10240]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\jinuj>javac -version
javac 1.8.0_65

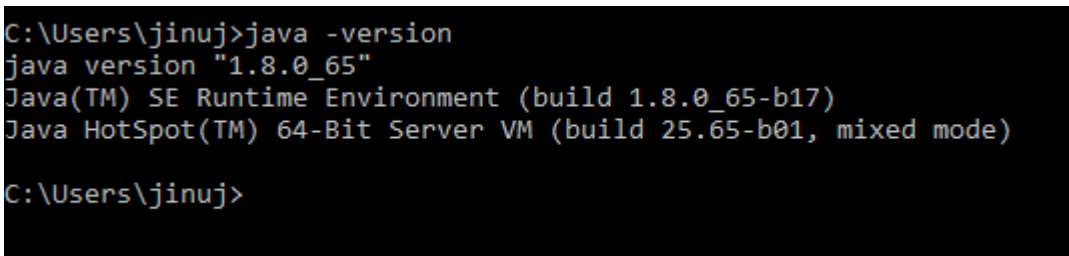
C:\Users\jinuj>_
```

Check for JRE by going to the command prompt and typing:

```
java -version
```

The result should be similar to:

```
java version "1.8.0_65"
Java(TM) SE Runtime Environment (build 1.8.0_65-b17)
Java HotSpot(TM) 64-Bit Server VM (build 25.65-b01, mixed mode)
```



```
C:\Users\jinuj>java -version
java version "1.8.0_65"
Java(TM) SE Runtime Environment (build 1.8.0_65-b17)
Java HotSpot(TM) 64-Bit Server VM (build 25.65-b01, mixed mode)

C:\Users\jinuj>
```

OpenMRS requires at least java 1.6

The latest versions of JDK and JRE can be found at the following link:
<http://www.oracle.com/technetwork/java/javase/downloads/index.html>

MYSQL

For MySQL you must know MYSQL your root password or have a database ready with username and password

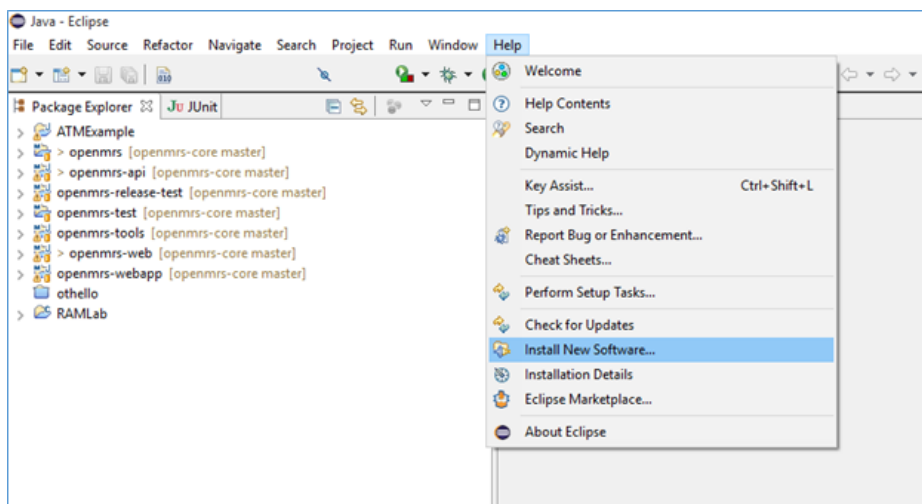
<http://dev.mysql.com/downloads/mysql/>

Eclipse IDE for Java EE Developers

<http://www.eclipse.org/downloads>

Install Jetty plugin for Eclipse

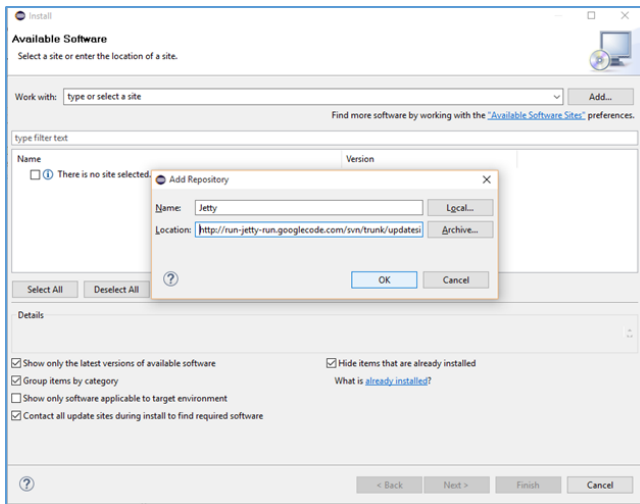
In Eclipse go to Help>Install New Software



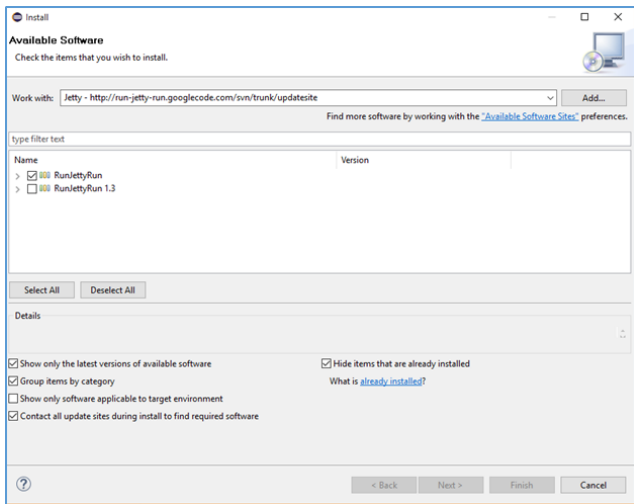
Select Add and enter the following:

Name: Jetty

Location: <http://run-jetty-run.googlecode.com/svn/trunk/updatesite>

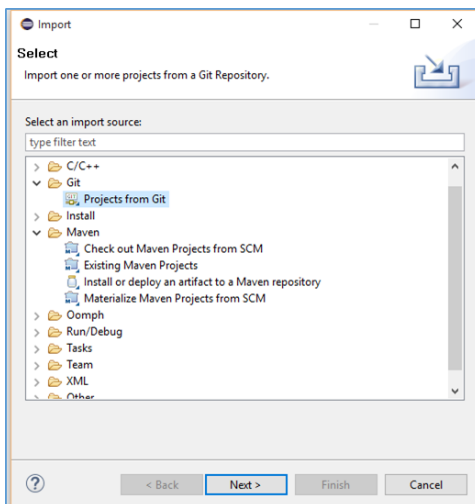


Select RunJettyRun and click Next to install Jetty



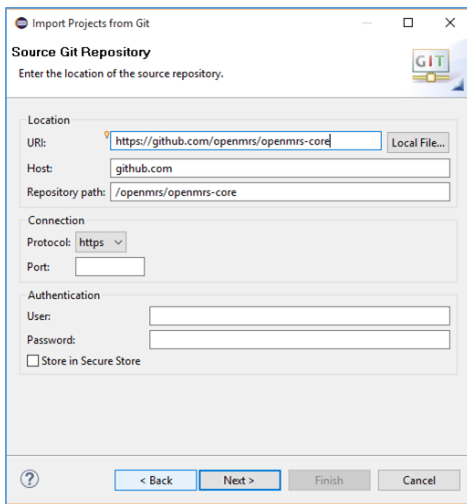
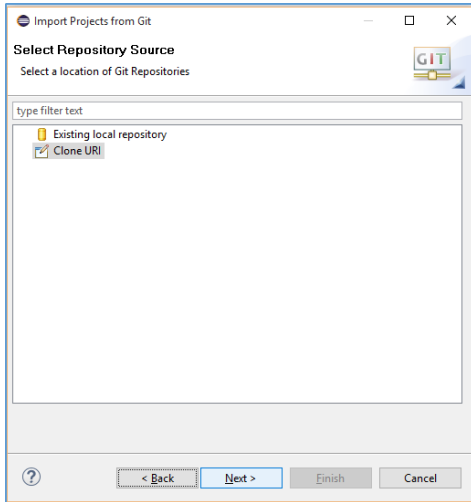
Importing OpenMRS core from Git Hub through Eclipse

In Eclipse go to File>Import>Git>Projects from Git

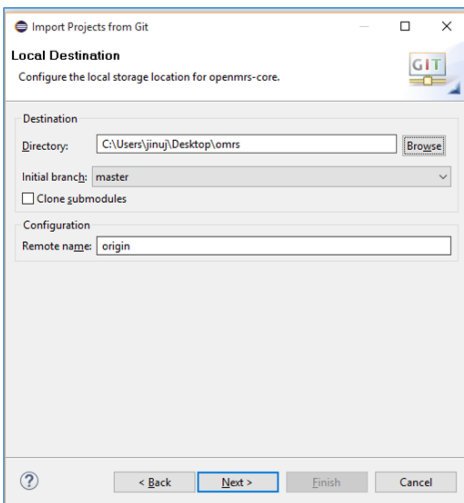
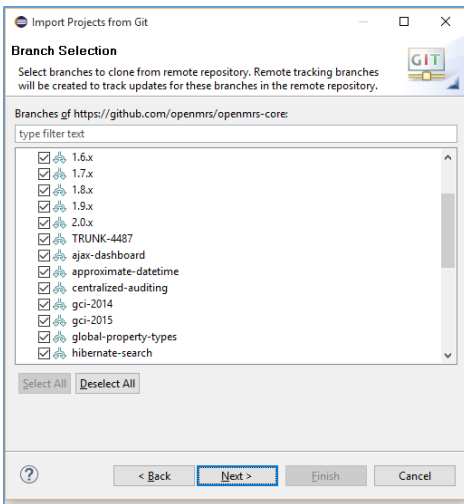


Select Clone URI and enter the following for the URI:

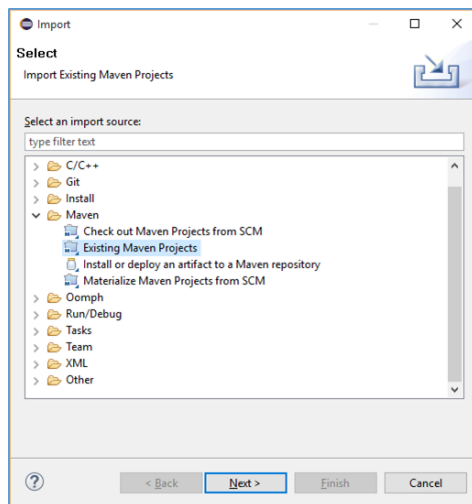
<https://github.com/openmrs/openmrs-core>



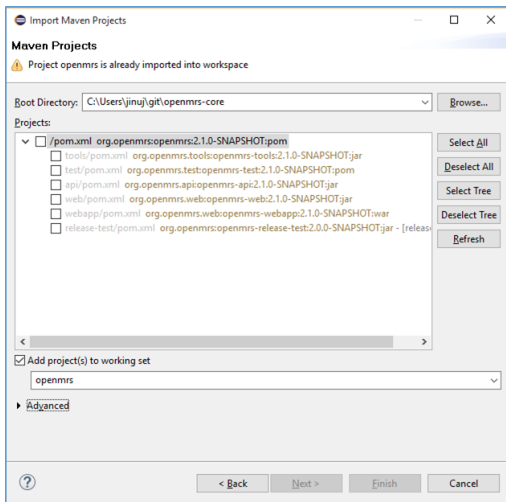
Select all branches and select a destination for the files.



After the OpenMRS files have been imported go to File > Import again in Eclipse and select Maven > Existing Maven Projects



Select Browse and navigate to the openmrs-core folder.



Select all projects and click Finish to import openmrs-core into your Eclipse workspace.

Compiling OpenMRS

From the command prompt navigate to the OpenMRS project directory

Enter the following command:

```
mvn clean install
```

Run OpenMRS

Download the logic omod and place it in openmrs-core/puppet/modules

<https://modules.openmrs.org/modules/view.jsp?module=logic>

From command prompt move to openmrs-core/webapp

Run the following command:

```
mvn jetty:run
```

Wait for:

```
[INFO] Started Jetty Server
```

Open <http://localhost:8080/openmrs>