

Build Source Code on Linux



The following instructions are for Debian or Ubuntu Linux. For other Linux distributions, please adapt the commands accordingly.

1. Install Prerequisites

- Install **JDK 8**. Please make sure **JAVA_HOME** is set.

```
$ sudo apt-get update
$ sudo apt-get install default-jdk
```

For more detail, you can refer to <https://www.digitalocean.com/community/tutorials/how-to-install-java-on-ubuntu-with-apt-get>

Set the **JAVA_HOME** by editing the file `/etc/environment`

```
$ sudo nano /etc/environment
```

In this file, add the following line :

```
JAVA_HOME="/usr/lib/jvm/java-8-openjdk-amd64"
```

Now reload the file and test:

```
$ source /etc/environment
$ echo $JAVA_HOME
```

- Install **MySQL** 5.5 or above.

```
$ sudo apt-get install mysql-server
$ sudo service mysql start
```

- Install **Apache Maven** 2.2.1 or above. Please make sure "mvn" command is able to execute from command line.

```
$ sudo apt-get install maven
$ mvn -version
```

- Install **Git**.

```
$ sudo apt-get install git
$ git --version
```

2. Install 3rd Party Libraries

```
$ wget https://dev.joget.org/community/download/attachments/19104566/install-libraries.zip
$ unzip -a install-libraries.zip
$ cd install-libraries
$ ./install_linux.sh
$ cd ~
```

3. Obtain Source

```
$ mkdir joget_src
$ cd joget_src
$ git clone https://github.com/jogetworkflow/jw-community.git --branch 7.0-SNAPSHOT --depth 1
$ cd ~
```

4. Configure Datasource for Test Case

Prepare the database for Joget usage.

```
$ mysql -uroot
$ create database jwdb;
$ exit
$ mysql -uroot jwdb < joget_src/jw-community/wflow-install/src/main/resources/data/jwdb-empty.sql
```

Download [wflow.zip](#) and extract in your user home.

```
$ wget http://dev.joget.org/community/download/attachments/19104566/wflow.zip
$ unzip -a wflow.zip
$ cd wflow
$ nano app_datasource-default.properties
```

Make sure the configuration in `app_datasource-default.properties` is correct.

```
workflowDriver=com.mysql.jdbc.Driver
workflowUrl=jdbc:mysql://localhost:3306/jwdb?characterEncoding=UTF-8
workflowUser=root
profileName=
workflowPassword=
```

5. Build Project



It is **NOT** recommended to skip unit tests in Joget, to ensure build integrity.

```
$ cd ~/joget_src/jw-community/wflow-app/
$ mvn clean install
```