

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 edit the file `/etc/environment`

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

In this file, add the following line :

```
JAVA_HOME="/usr/lib/jvm/java-7-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 **Github Client**.

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

2. Install 3rd Party Libraries

```
wget http://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 6.0-SNAPSHOT
cd ~
```

4. Configure Datasource for Test Case

Create database.

```
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

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