

# Installing OpenMRS on OpenShift - Abbreviated for Windows

This is an abbreviated version of the guide seen [here](#) and is used in the video [here](#).

This file is available for download [here](#).

This guide is a reference for users to copy and paste from when installing OpenMRS on OpenShift.

\$OPENSIFT\_APP\_UUID:

\$OPENSIFT\_APP\_NAME:

\$OPENSIFT\_MYSQL\_DB\_USERNAME:

\$OPENSIFT\_MYSQL\_DB\_PASSWORD:

\$OPENSIFT\_MYSQL\_DB\_HOST:

\$OPENSIFT\_MYSQL\_DB\_PORT:

Connecting to the server: `rhc ssh $OPENSIFT_APP_NAME`

## Add a DIY cartridge.

**Add MySQL cartridge to the previously created one (OpenShift console -> cartridge -> Databases -> Add MySQL).**

## Clone the repository:

Use link from OPENSIFT Dashboard

`git clone <link>`

## Move to the resulting directory:

`cd $OPENSIFT_APP_NAME/`

## Deploy custom Tomcat (Custom here means not the default one for OpenShift. In fact, this variant is upstream.)

`git remote add tomcat-upstream -m master git://github.com/openshift-quickstart/openshift-tomcat-quickstart.git`

`git pull -s recursive -X theirs tomcat-upstream master`

`git push`

## Deploy OpenMRS to server:

**Download the app archive (version specified here is the most recent one by the time of writing) into tomcat webapps directory:**

Download [http://sourceforge.net/projects/openmrs/files/releases/OpenMRS\\_Platform\\_1.10.1/openmrs.war/download](http://sourceforge.net/projects/openmrs/files/releases/OpenMRS_Platform_1.10.1/openmrs.war/download)

Move it to this directory: `diy/tomcat/webapps/openmrs.war`

`git add diy/tomcat/webapps/openmrs.war`

`git commit -m "Deployed OpenMRS Platform 1.10.1"`

`git push`

## Configure OpenMRS on low level:

**ssh to the server**

using rhc command line tools: `rhc ssh $OPENSIFT_APP_NAME`

```
echo "/var/lib/openshift/$OPENSIFT_APP_UUID/app-deployments/current/repo/diy/openmrs/openmrs-runtime.properties" > .env/user_vars
/OPENMRS_RUNTIME_PROPERTIES_FILE
```

### Exit the server

**Set proper app data directory (default is `~/OpenMRS`; these commands are to be run in the git repository associated with your cartridge):**

Make the folder `openmrs` inside the `diy` folder

```
echo "" > diy/openmrs/openmrs-runtime.properties
```

### Add MySQL configuration to OpenMRS config:

**Copy paste this into the file `diy/openmrs/openmrs-runtime.properties` (delete the quotation marks that are there)**

```
application_data_directory=/var/lib/openshift/$OPENSIFT_APP_UUID/app-deployments/current/repo/diy/openmrs
### Database connection properties
connection.username=$OPENSIFT_MYSQL_DB_USERNAME
connection.password=$OPENSIFT_MYSQL_DB_PASSWORD
connection.url=jdbc:mysql://$OPENSIFT_MYSQL_DB_HOST:$OPENSIFT_MYSQL_DB_PORT/$OPENSIFT_APP_NAME?autoReconnect=true
```

### Commit and push the changes:

```
git add diy/openmrs/openmrs-runtime.properties
```

```
git commit -m "Configured OpenMRS"
```

```
git push
```

**Proceed to high-level OpenMRS configuration via browser. You should not select 'Simple' as type of installation as it assumes having MySQL root, etc.**