Installation Manual (On Linux)

Ariia Web Server Setup :-

**Installation of OpenCv on linux**

compiler] sudo apt-get install build-essential  
[required] sudo apt-get install cmake git libgtk2.0-dev pkg-config libavcodec-dev libavformat-dev libswscale-dev  
[optional] sudo apt-get install python-dev python-numpy libtbb2 libtbb-dev libjpeg-dev libpng-dev libtiff-dev libjasper-dev libdc1394-22-dev

**Installation of Web Application on Tomcat Server**

1. **Installing Tomcat Server on linux**
2. install through apt-get
   1. The first thing you will want to do is update your apt-get package lists:

**sudo apt-get update**

* 1. Now you are ready to install Tomcat. Run the following command to start the installation:

**sudo apt-get install tomcat**

1. With the following command, we will install the Tomcat online documentation, the web interface (manager webapp), and a few example webapps:

**sudo apt-get install tomcat7-docs tomcat7-admin tomcat7-examples**

1. we must add a login to our Tomcat server. We will do this by editing the tomcat-users.xml file:
   1. **sudo gedit /etc/tomcat7/tomcat-users.xml**
   2. Be sure to change the password and username if you wish:

<tomcat-users>

<user username="admin" password="password" roles="manager-gui,admin-gui"/>  
</tomcat-users>

* 1. Save and quit the tomcat-users.xml file. To put our changes into effect, restart the Tomcat service:

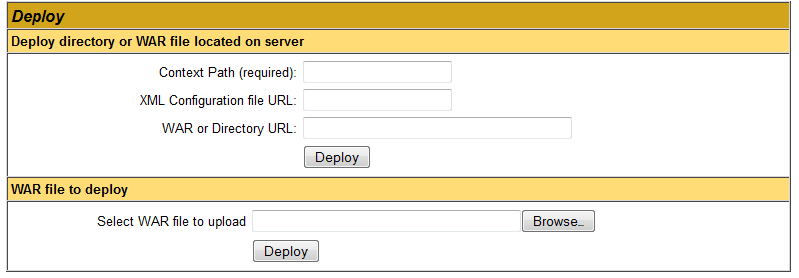
**sudo service tomcat7 restart**

1. let's access the web management interface in a web browser:

http://localhost:8080

**2. Deploying Web Application on Tomcat Server**

1. Now let's take a look at the Virtual Host Manager, accessible via the link or <http://localhost:8080/host-manager/html/>:
2. After supplying correct username and password,
3. The list of deployed applications is shown at the top, scroll down a little bit to see the deployment section:



4. The latter way is easier in which we can pick up a WAR file and upload it to the server.

5. Click **Browse** button to pick up a WAR file and click **Deploy** button. For example we select FEHR.war file. As soon as the WAR file is uploaded to the server, it is unpacked into $CATALINA\_HOME\webapps directory. The manager adds the newly deployed application to the list of applications:

6. The newly deployed application – FEHR, is up and running, without the need of restarting the server.

7. the FEHR application above can be accessed in web browser by typing:

*http://localhost:8080/FEHR*

Or we can access an individual application from the manager application by click on the context path (first column in the list of applications).

**Database:**

For development purposes the database was made on DA-IICT’s server. This database is to be shifted to the local server. For this the tables are to be imported and then exported to the localhost server. The steps followed are:

1. Open finalsql.txt and copy the content.
2. Double click on the localhost server.
3. Make a database named postgres (if it is not already made).
4. In that make a schema named ehr.
5. On the top, beside the bin, click the sql button and fire paste all the queries of the text file.
6. Run the queries.