

# How-To Install Tomcat server in Netbeans 12

Netbeans no longer comes with Tomcat bundled so if you want to deploy your web application you need to manually register an external server.

## Foolish assumptions

We are assuming you are using at least:

- Netbeans 12.0 installed and you are using Linux
- You have the **Java Web Applications** plugin installed.
- You know some basic terminal commands

If you don't care an easier method would be to just download [apache-tomcat.zip](#) from the Tomcat website, extract the archive to a folder under your home directory and just skip to step 4 of this tutorial.

## 1. Installing Tomcat

```
sudo apt update :) (the Linux ritual)
```

```
sudo apt install tomcat9 tomcat9-docs tomcat9-examples tomcat9-admin
```

## 2. Add admin user in Tomcat

By default, Tomcat does have any users defined that could be used for administrative purposes, so we need to edit tomcat-users.xml and add a user with the proper roles assigned to it.

```
sudo nano /etc/tomcat9/tomcat-users.xml
```

Add the following lines in tomcat-users.xml.

```
<!-- user manager can access only manager section -->
<role rolename="manager-gui" />
<user username="username" password="_SECRET_PASSWORD_" roles="manager-gui" />

<!-- user admin can access manager and admin section both -->
<role rolename="admin-gui" />
<user username="username" password="_SECRET_PASSWORD_" roles="manager-
gui,admin-gui" />
```

## 3. Allow Netbeans to read the tomcat Configuration

Unfortunately Netbeans doesn't correctly detect the the Tomcat installation directory. We need to make sure that the configuration files can be read from the installation directory otherwise will get an error saying "The <CATALINA\_HOME>/conf/server.xml can't be read."

```
sudo ln -s /etc/tomcat9/ /usr/share/tomcat9/conf
```

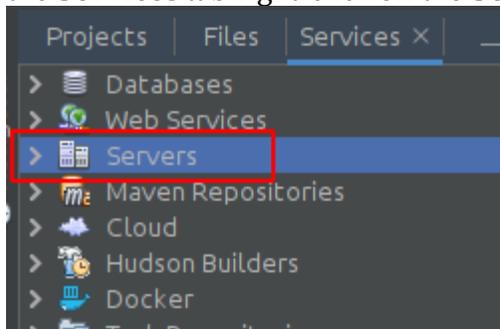
We need to change permission on the Tomcat installation directory so we don't face any permission issues.

```
sudo chown -R USERNAME /etc/tomcat9/  
sudo chown -R USERNAME /usr/share/tomcat9/
```

change USERNAME with your Linux username

## 4. Adding Server in Netbeans

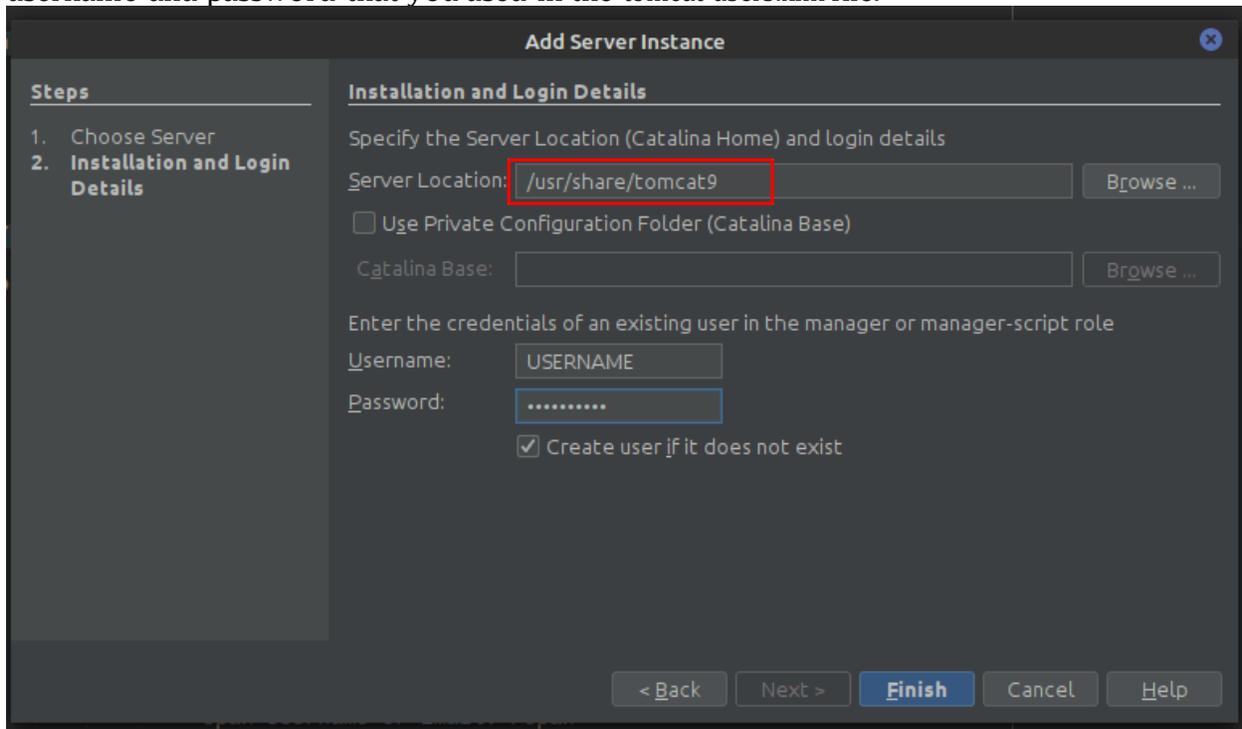
Now that Tomcat is installed and configured we can open up Netbeans and under the **Services** tab right click on the **Servers** and click on **Add server**.



In the next window, select Apache Tomcat and click next.

Under Server Location enter the tomcat directory, *(where tomcat was installed)*. Also add your

username and password that you used in the tomcat-users.xml file.



Click finish, and you should see Tomcat as an added Server under the Server node. Thanks for reading. I hope this is useful for you.

Courtesy: <https://dev.to/benjithorpe/installing-tomcat-server-in-netbeans-12-458c>

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