

## Deploy

### Prerequisites

1. Tomcat (latest version)
2. Java (7 or 8)

### Installation and Configuration

1. Download and install tomcat from this site  
<https://tomcat.apache.org/download-70.cgi>
2. Navigate to the home directory  
<tomcat\_home>/conf/tomcat-users.xml
3. Add the following lines  
Add users to the tomcat

```
<role rolename="manager-gui"/>
<role rolename="manager-script"/>
<user username="tomcat" password="tomcat" roles="manager-gui,manager-script"/>
```

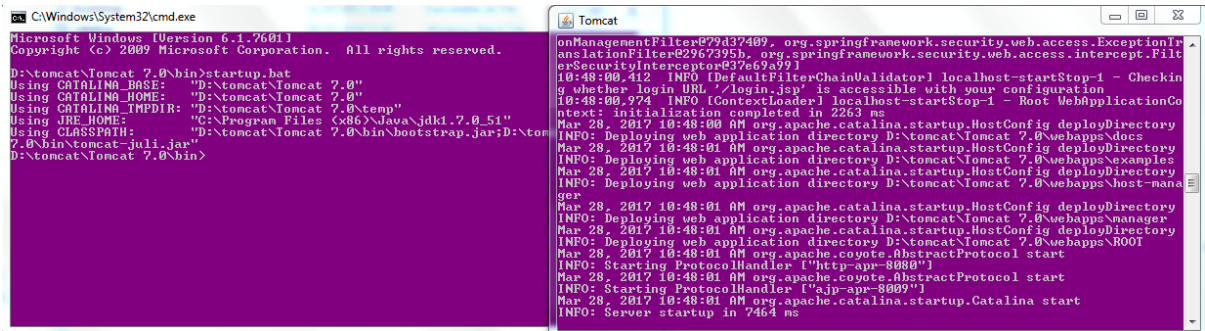
```
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-->
<tomcat-users>
<!--
    NOTE: By default, no user is included in the "manager-gui" role required
    to operate the "/manager/html" web application.  If you wish to use this app,
    you must define such a user - the username and password are arbitrary.
-->
<!--
    NOTE: The sample user and role entries below are wrapped in a comment
    and thus are ignored when reading this file.  Do not forget to remove
    <!-- ... --> that surrounds them.
-->
<!--
    <role rolename="tomcat"/>
    <role rolename="role1"/>
    <user username="tomcat" password="tomcat" roles="tomcat"/>
    <user username="both" password="tomcat" roles="tomcat,role1"/>
    <user username="role1" password="tomcat" roles="role1"/>
-->
    <role rolename="manager-gui"/>
    <role rolename="manager-script"/>

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

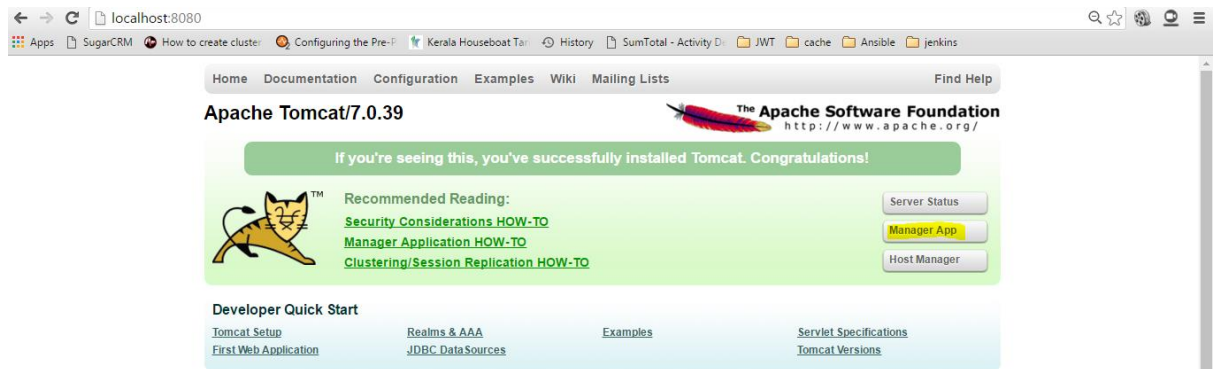
#### 4. Save and start the tomcat server



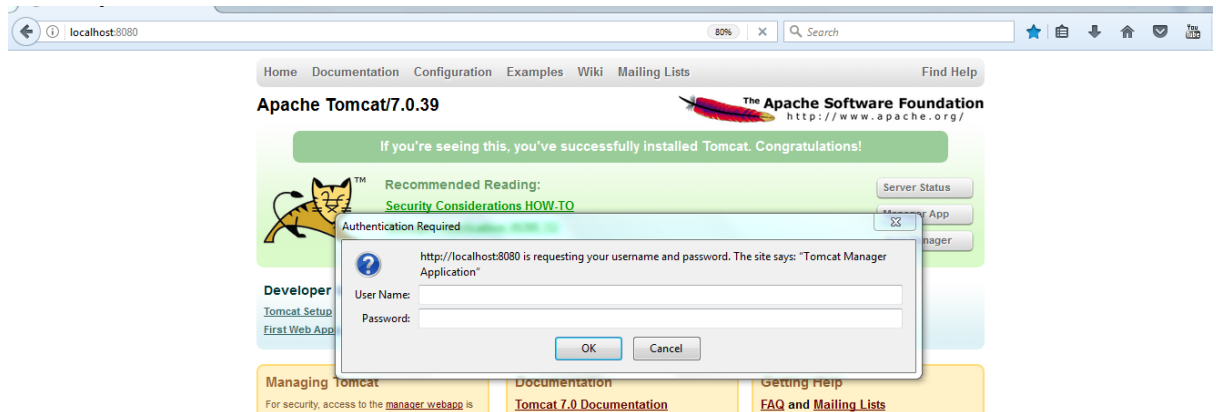
The image shows two windows. The left window is a Windows command prompt titled 'C:\Windows\System32\cmd.exe'. It shows the execution of 'D:\tomcat\Tomcat 7.0\bin>startup.bat'. The output lists environment variables: CATALINA\_BASE, CATALINA\_HOME, CATALINA\_TMPDIR, JRE\_HOME, and CLASSPATH. The right window is titled 'Tomcat' and displays a log of the startup process. It shows the initialization of the Catalina engine, deployment of web applications (docs, examples, host-manager), and the starting of the HTTP and AJP protocol handlers. The log ends with 'INFO: Server startup in 7464 ms'.

#### 5. Run in the browser

http://localhost:8080/



#### 6. Click on manager app



It will ask for username and password

Username and password should be same as mentioned in the tomcat -user.xml

```
<user username="tomcat" password="tomcat">
```

Now we can see able to login into tomcat server as users!!!!