

## Step 1: Create war file of the project.

Before creating war file, make sure application.yml file has the required configuration. Need to check doc path and active profile.

For doc path:

```
var:  
  doc:  
    path: /var
```

Active profile should be different according to the environment where the war file will be deployed.

For Development:

```
spring:  
  profiles:  
    active: dev-jurain
```

For UAT:

```
spring:  
  profiles:  
    active: uat
```

For Production:

```
spring:  
  profiles:  
    active: production
```

There are several way for generating war file. Here we are discussing how we can do this with command prompt. JDK 17 and apache maven is required for generating war file.

Go to the project directory and then execute two commands.

```
mvn clean
```

Next,

```
mvn package
```

If got error for unit tests and integration tests cases

```
mvn package -DskipTests
```

You can find the war file in the target directory in project folder. War file should have name like "fsmms-0.0.1-SNAPSHOT.war". We can rename this file to fsmms.war or we can set filename in pom.xml or we can leave the name as it is. Suppose we rename the war file to fsmms.war.

## Step 2: Copy war file into the server

Use winscp or any other preferred software for copy the war file into the server. In server, go to the directory /opt/apache-tomcat-xx.x.xx/webapps. There will be multiple folders and files and in there find file and folder named fsmms.war, fsmms and ROOT. They may have different name like fsmms-0.0.1-SNAPSHOT.war and fsmms-0.0.1-SNAPSHOT. Name will be according to the previously deployed file name. Delete or rename those files. Now copy the war file(fsmms.war) in the directory. War file will be expanded automatically and will create folder named fsmms. If the war file name is fsmms-0.0.1-SNAPSHOT.war then the auto generated folder name will be fsmms-0.0.1-SNAPSHOT. Rename the folder to ROOT.

## Step 3: Restart Tomcat

Use putty or MobaXterm to execute commands for restarting tomcat. SSH to the server with required credentials.

There are two process for restarting tomcat.

### Process 1:

Next go to the apache tomcat bin directory with below commands:

```
cd /opt/apache-tomcat-10.1.18/bin/
```

Stop the tomcat and then start the tomcat:

```
./shutdown.sh
```

```
./startup.sh
```

There are another process for restarting tomcat. If tomcat service is configured in the server then execute below command.

### Process 2:

If tomcat service was registered in the server then execute below commands:

For restart tomcat:

```
sudo systemctl restart tomcat
```