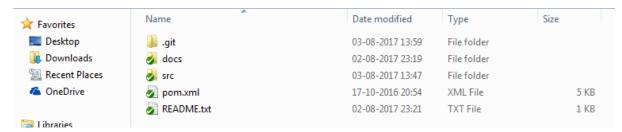
## How to deploy code from git in Tomcat?

Lets us take an example where we already have the repository mydemorepo

(https://github.com/samson1487/mydemorepo.git) containing a sample java project.

If you do not have the code on the local issue the following commands

- git clone https://github.com/samson1487/mydemorepo.git
- git checkout feature x
- 1. Once you are on branch feature\_x, go to the location where pom file exists.



2. Issue the command mvn clean package

The above command first clean the target folder (if any) at the same location where pom exists and then creates a war file and again create folder target and copy there.

3. After the successful completion of maven command you can see the target folder consisting of the war file

Name	Date modified	Type	Size
ll classes	03-08-2017 14:00	File folder	
🖟 generated-sources	03-08-2017 14:00	File folder	
naven-archiver	03-08-2017 14:00	File folder	
spring-1.0.0-BUILD-SNAPSHOT	03-08-2017 14:00	File folder	
ll test-classes	03-08-2017 14:00	File folder	
spring-1.0.0-BUILD-SNAPSHOT.war	03-08-2017 14:00	WAR File	4,009 K

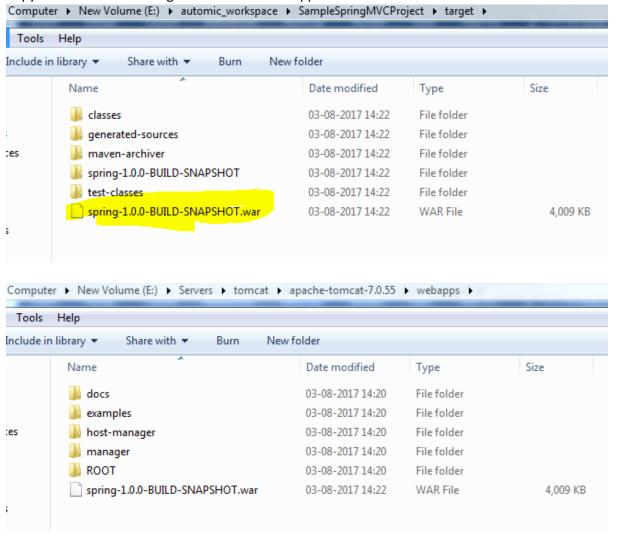
4. Then goto the folder where tomcat folder exists it should have the following structure:

lame	Date modified	Type	Size
🖟 bin	03-08-2017 14:02	File folder	
onf conf	03-08-2017 14:02	File folder	
🖟 lib	03-08-2017 14:02	File folder	
🖟 logs	03-08-2017 14:02	File folder	
🖟 temp	03-08-2017 14:02	File folder	
webapps	03-08-2017 14:02	File folder	
work work	03-08-2017 14:02	File folder	
LICENSE	17-10-2016 21:13	File	57 KE
NOTICE	17-10-2016 21:13	File	2 KE
RELEASE-NOTES	17-10-2016 21:13	File	8 KE
RUNNING.txt	17-10-2016 21:14	TXT File	17 KE

- the bin folder consists of scripts for starting or stopping the server.
- The webapps folder consists of all the applications war to be deployed on server.
- The logs folder consists of the logs generated by the application.
- 5. Now go to the command prompt where tomcat is running and press key Ctrl+C to stop the server.
- 6. Then go to the webapps folder and take the backup of the currently running war . For convenience sake lets us create a folder at same level where bin or webapps folder is situated.

ame	Date modified	Type	Size
<mark>backup</mark>	03-08-2017 14:13	File folder	
bin	03-08-2017 14:02	File folder	
conf	03-08-2017 14:02	File folder	
lib	03-08-2017 14:02	File folder	
logs	03-08-2017 14:10	File folder	
temp	03-08-2017 14:02	File folder	
webapps	03-08-2017 14:02	File folder	
work	03-08-2017 14:02	File folder	
LICENSE	17-10-2016 21:13	File	57 KB
NOTICE	17-10-2016 21:13	File	2 KB
RELEASE-NOTES	17-10-2016 21:13	File	8 KB
RUNNING.txt	17-10-2016 21:14	TXT File	17 KB

- 7. Copy the current war file into backup folder.
- 8. Copy the new war from target folder to the webapps folder.



9. Now go to tomcat bin folder and run the script startup.bat (windows) or startup.sh

10. You should see the following if server started successfully

```
Deployment of web application directory E:\Servers\tomcat\apache-tomcat-7.8.55\webapps\canples has finished in 219 ms 3 2017 2:29:27 PM org.apache.catalina.startup.HostConfig deployDirectory.

Deploying web application directory E:\Servers\tomcat\apache-tomcat-7.8.55\webapps\nost-manager

3.2017 2:29:27 PM org.apache.catalina.startup.HostConfig deployDirectory.

Bellowing web application directory E:\Servers\tomcat\apache-tomcat-7.8.55\webapps\nost-manager

3.2017 2:29:27 PM org.apache.catalina.startup.HostConfig deployDirectory.

Bellowing web application directory E:\Servers\tomcat\apache-tomcat-7.8.55\webapps\nost-manager has finished in 62 ms

3.2017 2:29:27 PM org.apache.catalina.startup.HostConfig deployDirectory.

Bellowing web application directory E:\Servers\tomcat\apache-tomcat-7.8.55\webapps\nost-manager

3.2017 2:29:27 PM org.apache.catalina.startup.HostConfig deployDirectory.

Bellowing web application directory E:\Servers\tomcat\apache-tomcat-7.8.55\webapps\nost-nanager has finished in 109 ms

3.2017 2:29:27 PM org.apache.catalina.startup.HostConfig deployDirectory.

Bellowing web application directory E:\Servers\tomcat\apache-tomcat-7.8.55\webapps\nost-nanager has finished in 109 ms

3.2017 2:29:27 PM org.apache.catalina.startup.HostConfig deployDirectory.

Bellowing web application directory E:\Servers\tomcat\apache-tomcat-7.8.55\webapps\nostart

$22:29:27 PM org.apache.catalina.startup.HostConfig deployDirectory.

Bellowing web application directory E:\Servers\tomcat\apache-tomcat-7.8.55\webapps\nostart

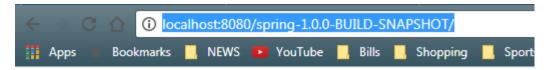
$22:29:27 PM org.apache.catalina.startup.Catalina.startup.

$23:2017 2:29:2027 PM org.apache.copoice.AbstractProtocol start

$24:29:2027 PM org.apache.catalina.startup.Catalina.startup.Catalina.startup.Catalina.startup.Catalina.startup.Catalina.startup.Catalina.startup.Catalina.startup.Catalina.startup.Catalina.startup.Catalina.startup.Catalina.startup.Catalina.startup.Catalina.startup.Catalina.startup.Catalina.startup.Catalina.startup.Catalina.startup.Catalina.startup.Catalina.startup.Catalina
```

11. Got browser and copy paste the following url

http://localhost:8080/spring-1.0.0-BUILD-SNAPSHOT/



## Hello world!

The time on the server is August 3, 2017 2:23:25 PM IST.