

Now lets deploy the project as well

```
cd /home/ubuntu
```

## now we will install tomcat which is the webserver where we deploy java app

```
wget https://dlcdn.apache.org/tomcat/tomcat-9/v9.0.105/bin/apache-tomcat-9.0.105.zip
```

```
apt install unzip -y
```

```
unzip apache-tomcat-9.0.105.zip
```

## we will get inside the apache directory and we will start tomcat

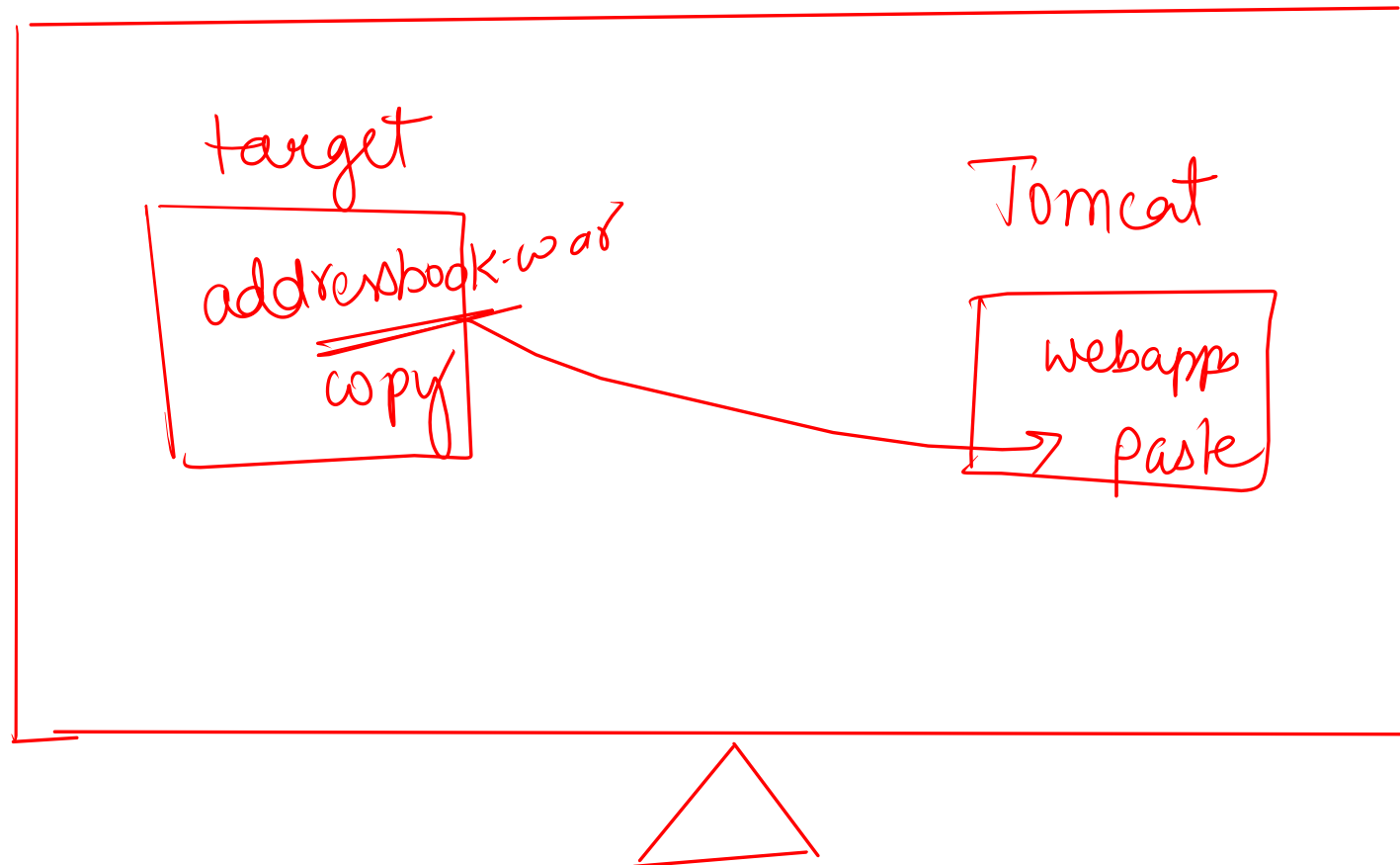
```
cd apache-tomcat-9.0.105
```

```
cd bin
```

```
chmod 700 *.sh #rwx permission for owner for all the files ending with sh
```

```
root@ip-172-31-10-187:/home/ubuntu/apache-tomcat-9.0.105/bin# chmod 700 *.sh ✓
root@ip-172-31-10-187:/home/ubuntu/apache-tomcat-9.0.105/bin# ./startup.sh ✓
Using CATALINA_BASE:   /home/ubuntu/apache-tomcat-9.0.105
Using CATALINA_HOME:   /home/ubuntu/apache-tomcat-9.0.105
Using CATALINA_TMPDIR: /home/ubuntu/apache-tomcat-9.0.105/temp
Using JRE_HOME:        /usr
Using CLASSPATH:        /home/ubuntu/apache-tomcat-9.0.105/bin/bootstrap.jar:/home/ubuntu/apache-tomcat-9.0.105/bin/tomcat-juli.jar
Using CATALINA_OPTS:
Tomcat started.
root@ip-172-31-10-187:/home/ubuntu/apache-tomcat-9.0.105/bin#
```

tomcat works on 8080 port by default. so u need to go to security group of the machine and allow 8080 port inbound rule



<publicip>:8080/  
address  
book

```

root@ip-172-31-10-187:/home/ubuntu/apache-tomcat-9.0.105/bin# cd .. ✓
root@ip-172-31-10-187:/home/ubuntu/apache-tomcat-9.0.105# ls ✓
BUILDING.txt CONTRIBUTING.md LICENSE NOTICE README.md RELEASE-NOTES RUNNING.txt bin conf lib logs temp webapps work
root@ip-172-31-10-187:/home/ubuntu/apache-tomcat-9.0.105# cd webapps ✓
root@ip-172-31-10-187:/home/ubuntu/apache-tomcat-9.0.105/webapps# pwd ← present working directory
/home/ubuntu/apache-tomcat-9.0.105/webapps
root@ip-172-31-10-187:/home/ubuntu/apache-tomcat-9.0.105/webapps# █

```

→ copy & paste in notepad

Destination where war file need to be copied: /home/ubuntu/apache-tomcat-9.0.105/webapps

lets now identify source:

```

root@ip-172-31-10-187:/home/ubuntu/apache-tomcat-9.0.105/webapps# cd .. ✓
root@ip-172-31-10-187:/home/ubuntu/apache-tomcat-9.0.105# cd .. ✓
root@ip-172-31-10-187:/home/ubuntu# ls
addressbook-cicd-project apache-tomcat-9.0.105 apache-tomcat-9.0.105.zip
root@ip-172-31-10-187:/home/ubuntu# cd addressbook-cicd-project ✓
root@ip-172-31-10-187:/home/ubuntu/addressbook-cicd-project# ls ✓
JenkinsFile1 Jenkinsfile3 addressbook_screenshot.png build.xml project-addressbook-maven-tomcat.txt target
Jenkinsfile README.md build.properties pom.xml src
root@ip-172-31-10-187:/home/ubuntu/addressbook-cicd-project# cd target ✓
root@ip-172-31-10-187:/home/ubuntu/addressbook-cicd-project/target# pwd ✓
/home/ubuntu/addressbook-cicd-project/target
root@ip-172-31-10-187:/home/ubuntu/addressbook-cicd-project/target# ls ✓
addressbook classes generated-test-sources maven-status test-classes
addressbook.war generated-sources maven-archiver surefire-reports
root@ip-172-31-10-187:/home/ubuntu/addressbook-cicd-project/target# █

```

copy the source where address book.war is present

source where the addressbook is present: /home/ubuntu/addressbook-cicd-project/target

cd /home/ubuntu

cp /home/ubuntu/addressbook-cicd-project/target/addressbook.war /home/ubuntu/apache-tomcat-9.0.105/webapps

source

destination

```
root@ip-172-31-10-187:/home/ubuntu# cp /home/ubuntu/addressbook-cicd-project/target/addressbook.war /home/ubuntu/apache-tomcat-9.0.105/webapps
```

→ public ip of machine : 8080/addressbook.war

Filter contacts...		
First Name	Last Name	Email
George	White	george@white.com
Daniel	Thompson	daniel@thompson.com
Timothy	Jones	timothy@jones.com
Peter	Wilson	peter@wilson.com
Dan	Robinson	dan@robinson.com
Dan	Davis	dan@davis.com
Olivia	Davis	olivia@davis.com
Dan	Smith	dan@smith.com
Daniel	Anderson	daniel@anderson.com