**Introduction:-**

We use Apache Tomcat web server and it's a management dashboard from which you can deploy new web application, or undeploy an existing one without having to restart the application. This is especially useful in production environments.

We take following steps for deployment on WIND21 server.

1:- Build generation.

Generate build on jenkins.

Jenkins server IP :- [http://192.168.0.66:8082/](http://192.168.1.55:8081/)

2:- Get build from test server

Copy root.war file from source server (Jenkins server) or on QA(wind3) to target server (wind21 server) with below command.

Note:- Jenkins is automatic send war file on wind3(QA server) by ansible script which are intergrating with jenkins.

#scp -r usr/share/apache-tomcat-8.5.23/webapps/root.war ec2-user[@](mailto:root@205.147.98.133)15.207.32.135:/tmp/

3:- Backup the running build from wind21 server.

# run the backup script on prod server

cd /home/DEPLOY/scripts

# run the script

sh windprodback.sh

Note:- change the qa database credential to prod database credential from root.war file in database.properties file

4:- Delete the running ROOT and root.war file from wind21 server.

Run the below command to delete the war file.

Rm -rf /usr/share/apache-tomcat-8.5.23/webapps/ROOT.\*

5:- copy the copied \*.war file from /tmp to /apache-tomcat-8.5.23/webapps/ location.

Cp /tmp/\*.war /usr/share/apache-tomcat-8.5.23/webapps/

Now deployement has been completed.

6:- Check the logs.

After deployment we need to check the catalina.out with below command.

Tail -f /usr/share/apache-tomcat-8.5.23/logs/catalina.out

if any error comes then we need to kill the running tomcat instance and start it again.

Note-: while changing the database.properties in ROOT.war if it is not saving then download the ROOT.war on local system and open ROOT.war open it with Archive manager and go to /WEB-INF/classes/META-INF/spring/database.properties and update it.

Thanks