**Jenkins**

**Assignment 1**

**16th Feb 2024**

**Create Job. Install httpd server, start the server and create index.html**

Launch EC2 machine. First, we need to install java. Install Java 11. Now we need sever to deploy WAR file. Create one folder inside /mnt and download zip file Apache Tomcat. Unzip file, give full permission.

chmod -R 777 apache-tomcat-9.0.86

go to webapps folder of apache-tomcat. Download jenkins war by giving below command.

wget <https://get.jenkins.io/war-stable/2.440.1/jenkins.war>

Now, we need to start Jenkins to access Jenkins UI. There are two ways to start Jenkins.

**One way:**

start Jenkins by using command :- java -jar jenkins.war ==> Pressing Ctrl+D when running java -jar jenkins.war will stop Jenkins because it terminates the foreground process. Therefore, use command nohup java -jar jenkins.war & so that it will run on background as well.

After that in webapps , nohup.out file gets created which will tell you that jenkins is up and running. This is how you can connect to jenkins by java

**Second way:**

We can start jenkins by going to bin folder of apache tomcat and run script ./startup.sh. This will create jenkins folder inside webapps. After that, in root, .jenkins folder gets created. This is how you can connect to jenkins by Linux

You cannot directly use systemctl status jenkins if you install Jenkins using the .war file. systemctl command is designed for managing systemd services, which are typically installed using package managers like apt or yum.

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Createdd job for the given functionality.

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Used these commands to install httpd server and to create index .htmlA screenshot of a computer

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After running job, we can see httpd is installed and index.html is created on machine.

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