

Application Webserver

→ Apache Tomcat: It is an open-source webserver and Servlet container.

→ Tomcat is a server for hosting Java web applications.

→ It was developed by the "Apache S/W Foundation".

(CASE)

→ Apache Tomcat includes tools for "configuration and management".

→ Tomcat support Java technologies:

Java Servlet.

Java Server pages (JSP)

Java Expression language (EL)

Java WebSocket.

* main configuration files (pre-request)

package : tomcat

configuration files : /tomcat/bin/conf

Auxiliary Directory : tomcat

Log files location : /tomcat/logs

Service/Daemon : tomcat10

ports : tomcat - 8080

→ Go EQ → Launch → Name → tomcat → (Redhat)

→ Launch.

→ sudo -i.
hostname tomcat.
vi /etc/hostname. → tomcat.
bash.
yum update -y

install package.

yum install vim net-tools -y

Tomcat required Java [Install Java]

yum install Java-11 -y

Java --version.

Downloading & Installing Tomcat:

cd /opt:
pwd.

→ Go to google → download → Tomcat. (Apache 10 Tomcat)
binary distribution. → tar.gz (cdg.shas12)

→ wget + copy link address)

→ yum install wget -y

→ past the link,

→ ls

→ extracting the file.

→ tar -xvf apache-tomcat-10.0.27.tar.gz

→ mv → Rename.

mv apache-tomcat-10.0.27 tomcat10.

→ ls

→ rm apache-tomcat-10.0.0-27.tar.gz.

→ ls.

→ pwd

→ cd tomcat10/ → .

→ ls. → bin - - - - -

cd bin/

ls.

chmod +x startup.sh.

chmod +x shutdown.sh

echo \$PATH → Then Go to Variables.

Creating Soft links:

ln -s /opt/tomcat10/bin/startup.sh /usr/local/
sbin/tomcatup.

ln -s /opt/tomcat10/bin/shutdown.sh /usr/local/
sbin/tomcatdown

→ tomcatup

netstat -antl → checking port number.

Go to google → Copy Ip Addr: 8080

↓
SG → edit → custom Tcp 8080 anywhere.

* manage app settings :

vim /opt/tomcat10/webapps/host-manager/
META-INF/context.xml

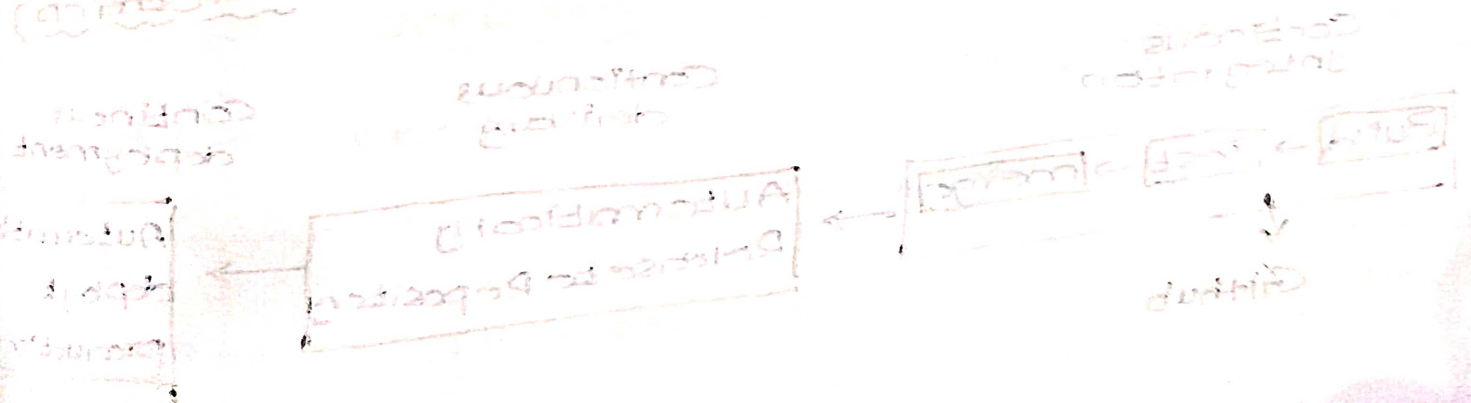
edit value :

<!-- value className =

= "org.apache.catalina

vim /opt/tomcat10/webapps/manager

Configure CI AND CD (Github and Jenkins)



Configure Infrastructure (CI)

Infrastructure is managed by Ansible which configures the servers and their code changes.