Setup Tomcat Server

Requirements to Setup Tomcat Server on Ubuntu.

1. Setup an EC2 Instance

2. Install Java on that Server

3. Download and install Tomcat9

4.Start Tomcat Server

5.Access it from Browser with 8080

Installation Part:

🡪 create an Ec2 Instance in ubuntu, after that connect with git bash or Putty.

🡪 Install Java on that server.

* sudo apt-get update
* sudo apt-get install -y openjdk-11-jdk

🡪 Go to google and Search for “Tomcat Download”

Click on Apache tomcat9 software download 🡪 here in Core right click on “tar.gz” and Copy the link Address.

🡺 Come to git bash and execute these commands

* cd /opt
* wget <https://dlcdn.apache.org/tomcat/tomcat-9/v9.0.76/bin/apache-tomcat-9.0.76.tar.gz>
* tar -xvzf apache-tomcat-9.0.56.tar.gz (this command is used for extraction of zip file)
* ls (here we observer the extraction file as apache-tomcat-9.0.56)
* mv apache-tomcat-9.0.56 tomcat (here we are changing the name of the file)
* cd tomcat 🡪 ls 🡪 cd bin 🡪 ls 🡪 (here we can observe “**startup.sh**”
* ./startup.sh (here tomcat will be started we can access it from browser)
* Before accessing it from browser go and check in security group the 8080 port is open or not.
* Public ip of server:8080
* Click on “Manager app”, it shows some error massage here we need to edit context.xml file.
* find / -name context.xml
* vim /opt/tomcat/webapps/host-manager/META-INF/context.xml
* Write it like this for uncomment

<!-- <Valve className="org.apache.catalina.valves.RemoteAddrValve"

allow="127\.\d+\.\d+\.\d+|::1|0:0:0:0:0:0:0:1" /> -->

* vim /opt/tomcat/webapps/manager/META-INF/context.xml
* Write like this as same above for uncomment

<!-- <Valve className="org.apache.catalina.valves.RemoteAddrValve"

allow="127\.\d+\.\d+\.\d+|::1|0:0:0:0:0:0:0:1" /> -->

* ./shutdown.sh (for Restart tomcat)
* ./startup.sh (for starting tomcat)
* Here we can access it from browser with port no 8080.
* Click on “Manager app”.
* Here it will ask you to give user credentials.
* For user credentials go to this directory 🡪 cd /opt/tomcat 🡪 ls 🡪 cd conf 🡪 ls 🡪 here we get tomcat-users.xml file.
* Vim tomcat-users.xml
* Mention our user credentials like username and password for tomcat application.

<tomcat-users>

<role rolename="manager-gui"/>

<role rolename="manager-script"/>

<role rolename="manager-jmx"/>

<role rolename="manager-status"/>

<user username="admin" password="admin" roles="manager-gui, manager-script, manager-jmx, manager-status"/>

<user username="deployer" password="deployer" roles="manager-script"/>

<user username="tomcat" password="s3cret" roles="manager-gui"/>

</tomcat-users>

* After this we can take public Ip :8080 🡪 click on Manager app 🡪 here we provide the credentials we mentioned in above.
* Tomcat application will open here.
* Here we observer some path files here these are all in webapps folder to check this
* cd 🡪 cd /opt/tomcat/webapps 🡪 ls (here we see all the files in tomcat application)

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