AWS MODULE

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BATCH NO - SA2409031

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L5 - Install Tomcat web application server in AWS EC2 Ubuntu Instance and access Tomcat using a web browser.

Step 1: Launch an EC2 Instance

- 1. Log in to your AWS Management Console.
- 2. Choose the Ubuntu Server
- 3. Configure the security group.
- 4. Download key pair.
- 5. Launch ec2 instance
- 6. Select security group then go to edit inbound rule and add new rule with configuration port no 8080.

STEP 2: CONNECT THE INSTANCE

- 1. Connect the instance
- 2. Update the package.(sudo apt update -y)

STEP 3: INSTALL JAVA

1. Install java

(sudo apt install openjdk-17-jdk -y)

2. Validate the java -version

STEP 4:INSTALL TOMCAT

1. Download the latest version of Tomcat:

(https://dlcdn.apache.org/tomcat/tomcat-9/v9.0.96/bin/apachetomcat-9.0.96.tar.gz)

2. Extract the Tomcat:

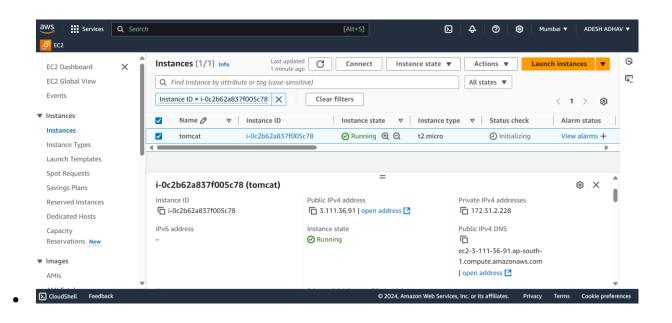
(tar -xvzf apache-tomcat-9.0.96.tar.gz)

- 3.Directory
- 4.Start the tomcat(sh startup.sh)

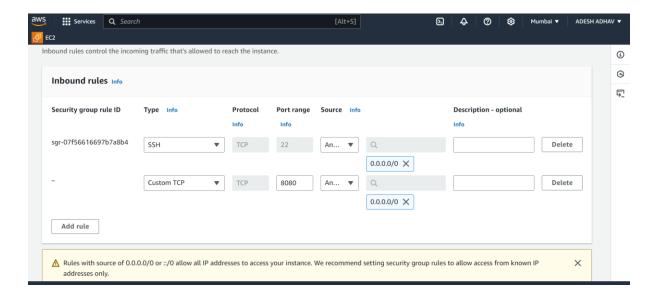
STEP 5: CHECK TOMCAT SERVER

Copy the public ip and attach port no 8080 with it then search it.

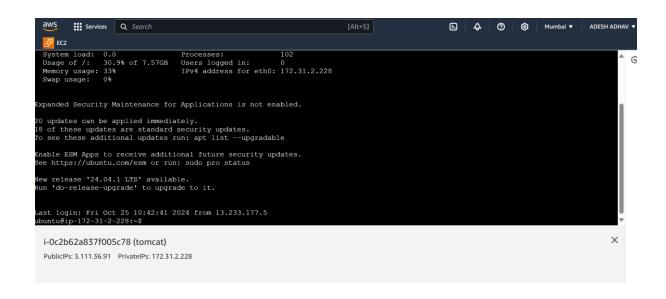
LAUNCH THE INSTANCE



INBOUND RULE



CONNECT TO INSTANCE



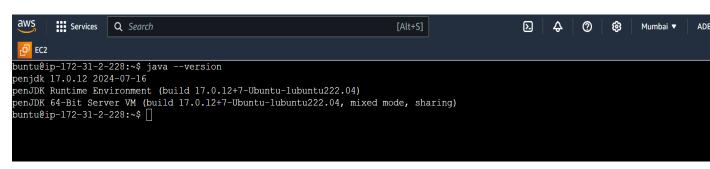
UPDATE THE PACKAGE

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aws
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  EC2
et:27 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [28.8 kB]
et:28 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe Translation-en [16.5 kB]
et:29 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 c-n-f Metadata [672 B]
et:30 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/multiverse amd64 c-n-f Metadata [116 B] et:31 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [305 kB]
et:32 http://security.ubuntu.com/ubuntu jammy-security/main amd64 c-n-f Metadata [13.3 kB] et:33 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [2517 kB]
et:34 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [435 kB]
et:35 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [911 kB]
et:36 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [180 kB]
et:37 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [19.5 kB] et:38 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [37.2 kB] et:39 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [7588 B]
et:40 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [228 B]
etched 34.2 MB in 25s (1379 kB/s)
 eading package lists... Done
uilding dependency tree... Done
eading state information... Done
 packages can be upgraded. Run 'apt list --upgradable' to see them.
 ountu@ip-172-31-2-228:~$
```

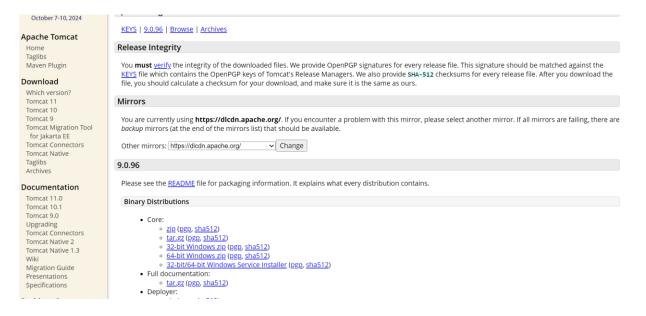
INSTALL THE JAVA



CHECKING THE JAVA VERSION



TOMCAT FILE



INSTALLED ZIP FILE



UNZIP THE TAR FILE

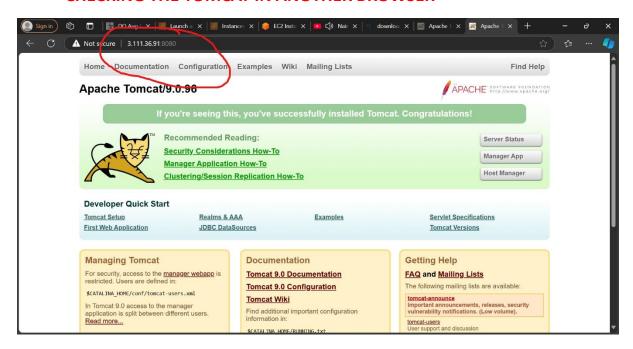


TOMCAT STARTED

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buntu@1p-1/2-31-2-228:~$ rm -rf^C
                                                                                                                                   G
buntu@ip-172-31-2-228:~$ ls
pache-tomcat-9.0.96
buntu@ip-172-31-2-228:~$ cd apache-tomcat-9.0.96
buntu@ip-172-31-2-228:~/apache-tomcat-9.0.96$ ls
UILDING.txt CONTRIBUTING.md LICENSE NOTICE README.md RELEASE-NOTES RUNNING.txt bin conf lib logs temp webapps work
buntu@ip-172-31-2-228:~/apache-tomcat-9.0.96$ cd bin
buntu@ip-172-31-2-228:~/apache-tomcat-9.0.96/bin$ ls
                  ciphers.sh
                                               daemon.sh
                                                            setclasspath.bat startup.sh
                                                                                                  version.bat
atalina-tasks.xml
                                              digest.bat
                                                            setclasspath.sh
                                                                                                  version.sh
                                                            shutdown.bat
atalina.bat
                                              digest.sh
                                                                             tool-wrapper.bat
atalina.sh
                  configtest.bat
                                              makebase.bat shutdown.sh
iphers.bat
                  configtest.sh
                                              makebase.sh
                                                           startup.bat
                                                                             tool-wrapper.sh
buntu@ip-172-31-2-228:~/apache-tomcat-9.0.96/bin$ sh startup.sh
sing CATALINA_BASE:
sing CATALINA_HOME:
                    /home/ubuntu/apache-tomcat-9.0.96
                    /home/ubuntu/apache-tomcat-9.0.96
sing CATALINA TMPDIR: /home/ubuntu/apache-tomcat-9.0.96/temp
sing JRE_HOME:
sing CLASSPATH:
                     /home/ubuntu/apache-tomcat-9.0.96/bin/bootstrap.jar:/home/ubuntu/apache-tomcat-9.0.96/bin/tomcat-juli.jar
sing CATALINA_OPTS:
omcat started.
buntu@ip-172-31-2-228:~/apache-tomcat-9.0.96/bin$
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CHECKING THE TOMCAT IN ANOTHER BROWSER



THANK YOU