Configuring Apache Tomcat on AWS EC2

clear step-by-step approach

Step 1: **Launch an EC2 Instance**

Step 2: **Connect to Your EC2 Instance**

- With AWS Console or Download your key pair file(.pem/ppk) to connect putty or ubuntu.

Step 3: **Install Java**

- **Update the Package Repository**: sudo yum update -y
- **Install Java**: sudo yum install java -y
- **Verify Java Installation**: java -version

Step 4: **Download and Install Apache Tomcat**

- Download Tomcat:
  - Navigate to the https://downloads.apache.org/tomcat/tomcat-9/v9.0.104/bin/ to find the latest version.
  - Download the binary distribution for your system.
- wget https://downloads.apache.org/tomcat/tomcat-9/v9.0.104/bin/apache-tomcat-9.0.104.tar.gz

   Note: Copy the link of tar.gz file only.

- **Extract the Archive**: tar -xvf apache-tomcat-9.0.104.tar.gz

 STEP-5: **Access Tomcat**

Open a web browser and navigate to http://your_server_ip_or_domain:8080. Follow the on screen instructions to complete the setup.
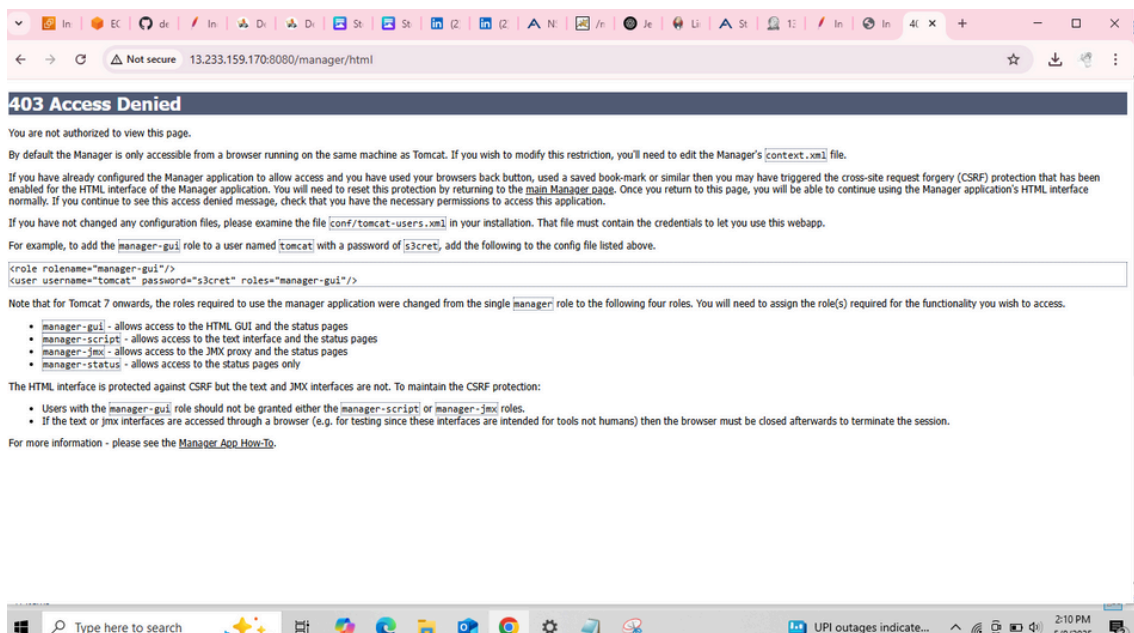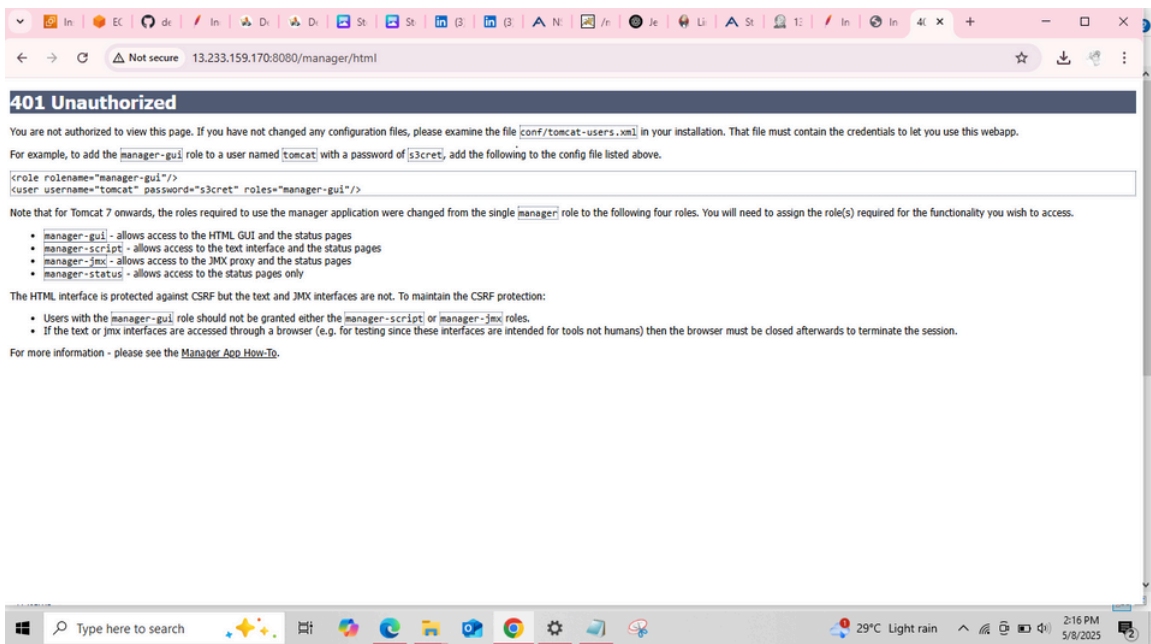
- Edit the context.xml file which is available in path: /root/apache-tomcat-9.0.104/webapps/manager/META-INF .

Note: Delete or comment the 21 & 22 line in context.xml to avoid access denied.

Access the Tomcat Manager:

- Edit the tomcat-users.xml file to enable the Tomcat Manager:
- sudo nano /usr/local/tomcat/conf/tomcat-users.xml
- Add a user with manager roles:(to avoid 401 unauthorized).
  - <role rolename="manager-gui"/>
  - <role rolename="manager-script"/>
  - <user username="tomcat" password="your password" roles="manager-gui,manager-script"/>

Step 6: Access Tomcat in a Web Browser

- Open a web browser and navigate to:
- http://your-instance-public-dns:8080
- You should see the Tomcat welcome page.