

# 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

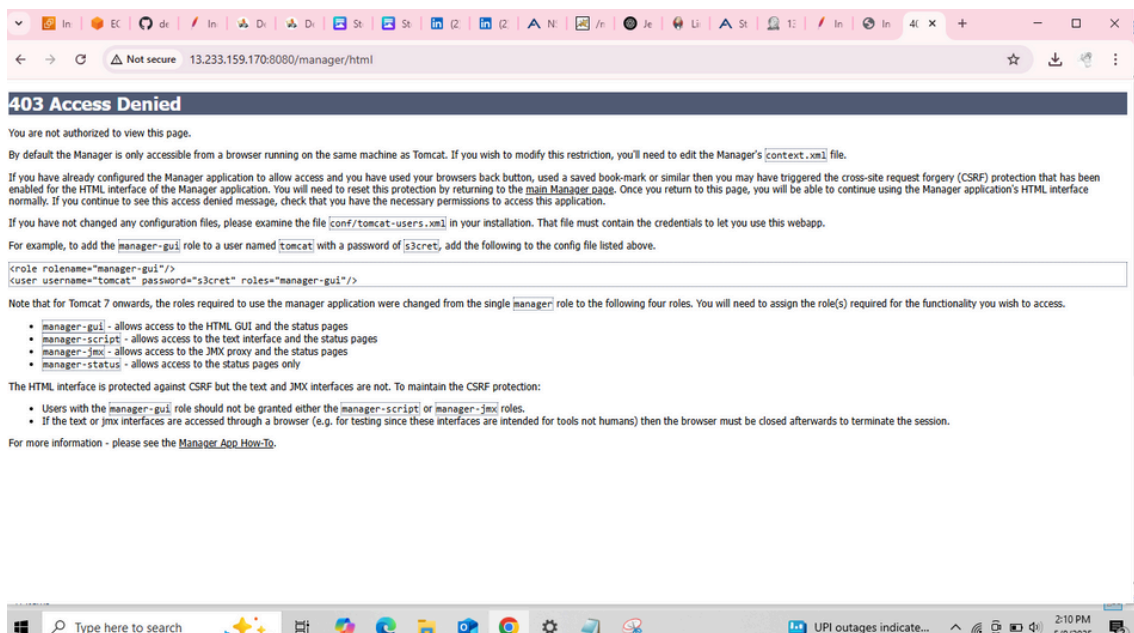
- Download Tomcat:
  - Navigate to the <https://downloads.apache.org/tomcat/tomcat-9/v9.0.104/bin/> to find the latest version.
  - Download the binary distribution for your system.
- `wget https://downloads.apache.org/tomcat/tomcat-9/v9.0.104/bin/apache-tomcat-9.0.104.tar.gz`

**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.



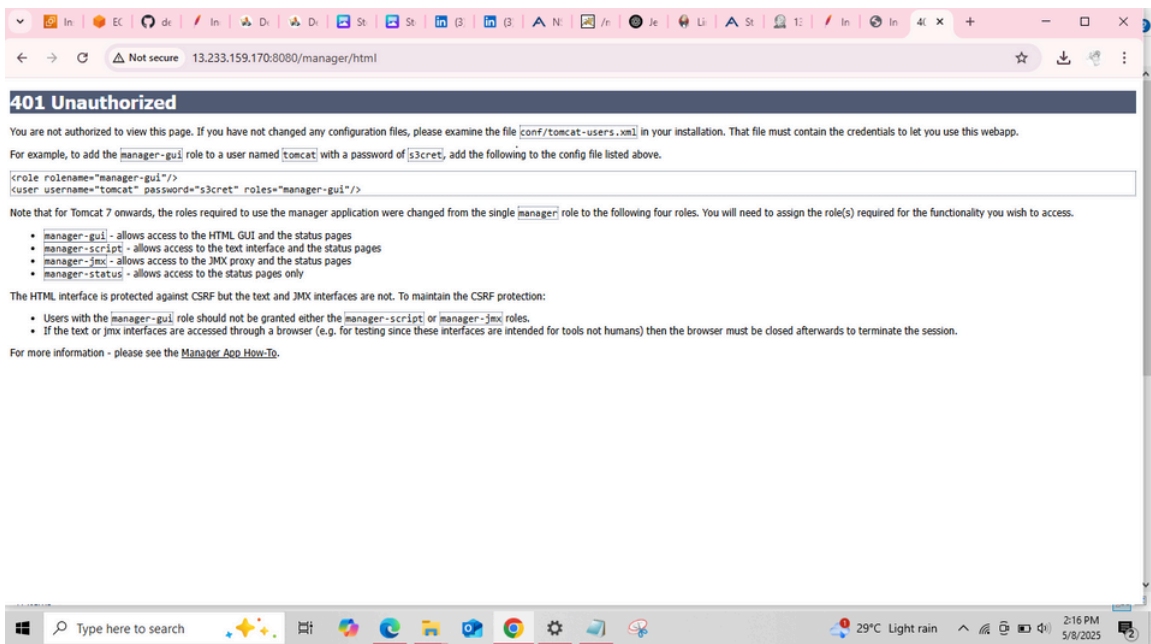
- Edit the context.xml file which is available in path: /root/apache-tomcat-9.0.104/webapps/manager/META-INF .

```

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13 distributed under the License is distributed on an "AS IS" BASIS,
14 WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
15 See the License for the specific language governing permissions and
16 limitations under the License.
17 -->
18 <Context antiResourceLocking="false" privileged="true" >
19   <CookieProcessor className="org.apache.tomcat.util.http.Rfc6265CookieProcessor"
20     sameSiteCookies="strict" />
21   <Valve className="org.apache.catalina.valves.RemoteAddrValve"
22     allow="127\.\d+\.\d+\.\d+|::1|0:0:0:0:0:0:0:1" />
23   <Manager sessionAttributeValueClassNameFilter="java\.lang\.(?:Boolean|Integer|Long|Number|string) |org\.apache\.catalina\.filters\.CsrfPrevent
24     ionFilter|$LruCache(?:\s|$)?|java\.util\.(?:Linked)?HashMap"/>
25 </Context>

```

**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.

