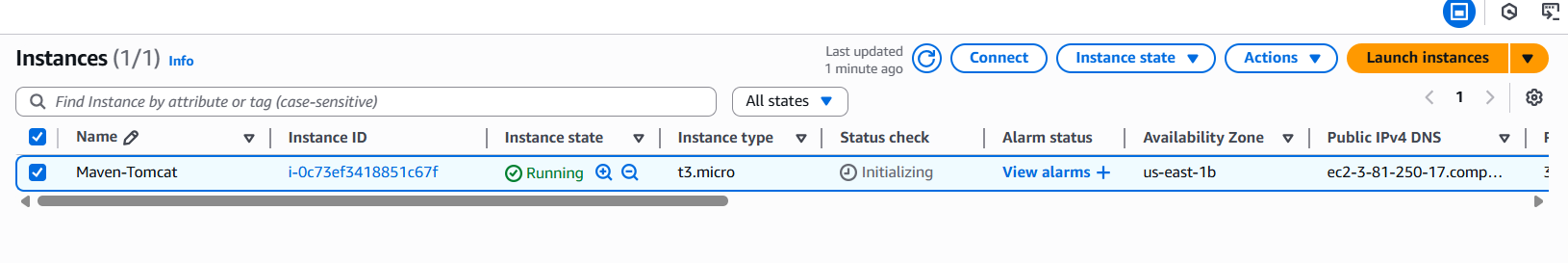
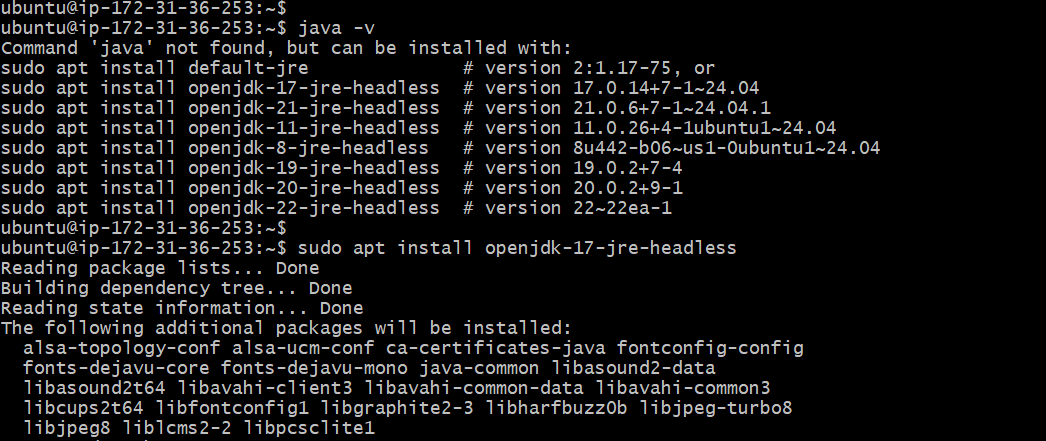
**Deploying a Basic Java based application using Apachen Maven & Tomcat**

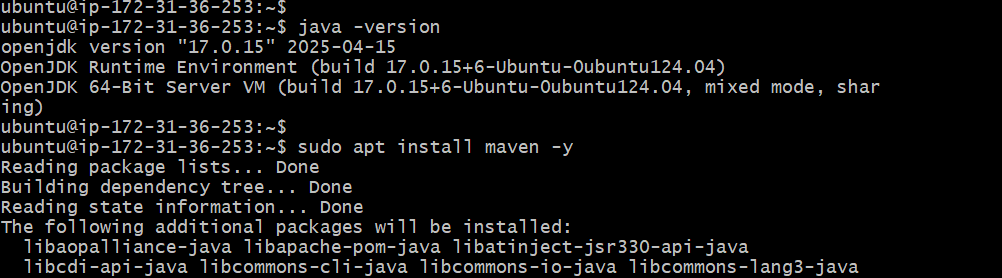
**Step1:** Create a Ec2-Instance with port ssh & HTTP-8080

**Step2:** Update the server and Install required Packages.

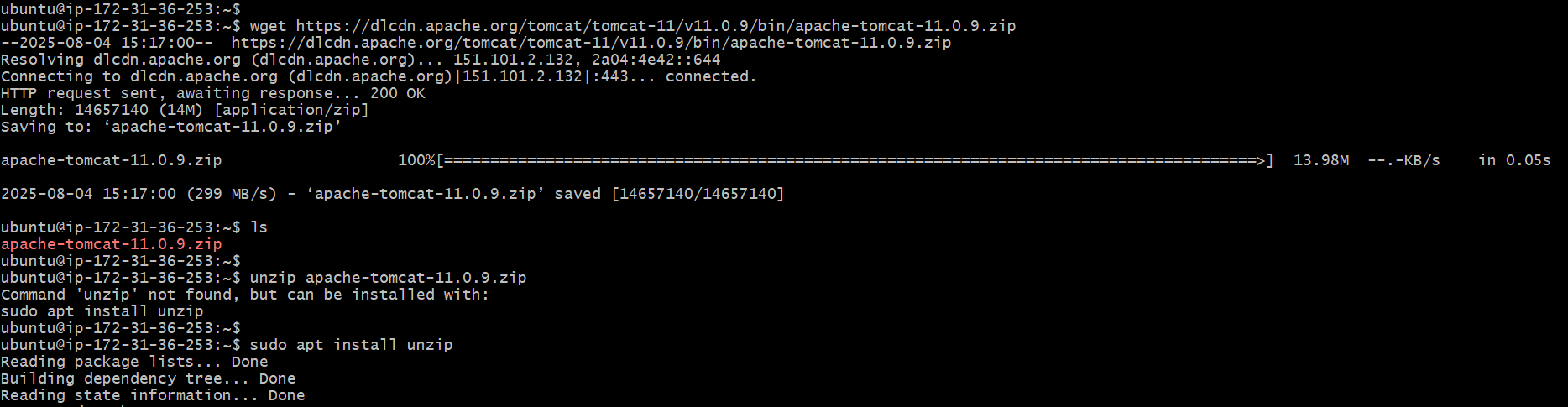
* java -v
* sudo apt install openjdk-17-jre-headless
* java -version

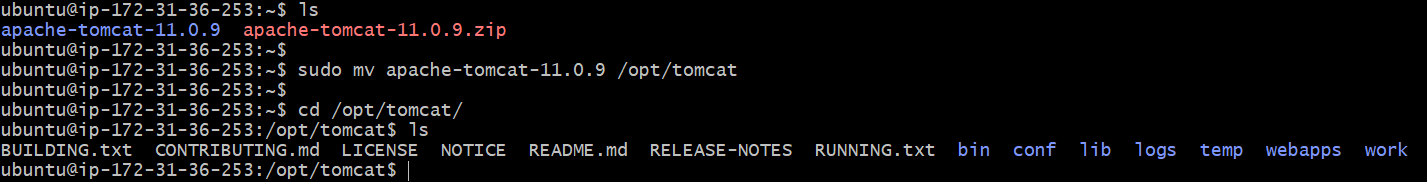


* sudo apt install maven -y
* mvn -v



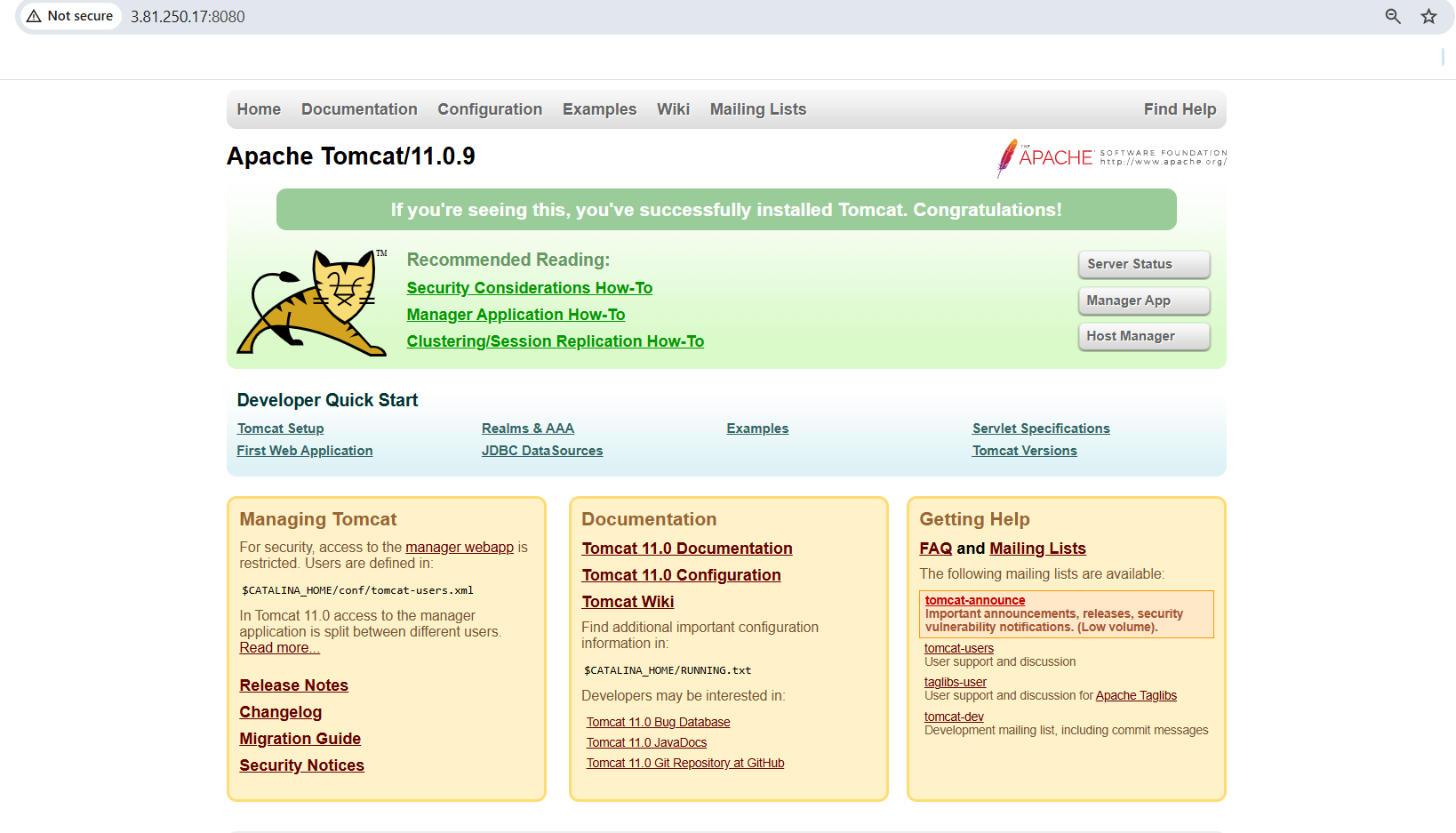
* wget <https://dlcdn.apache.org/tomcat/tomcat-11/v11.0.9/bin/apache-tomcat-11.0.9.zip>
* sudo apt install unzip
* unzip apache-tomcat-11.0.9.zip
* sudo mv apache-tomcat-11.0.9 /opt/tomcat
* cd /opt/tomcat/





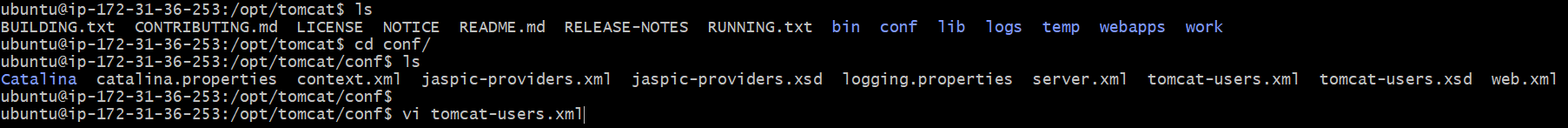
* cd bin/
* sudo chmod 755 startup.sh shutdown.sh catalina.sh
* ls
* ./startup.sh



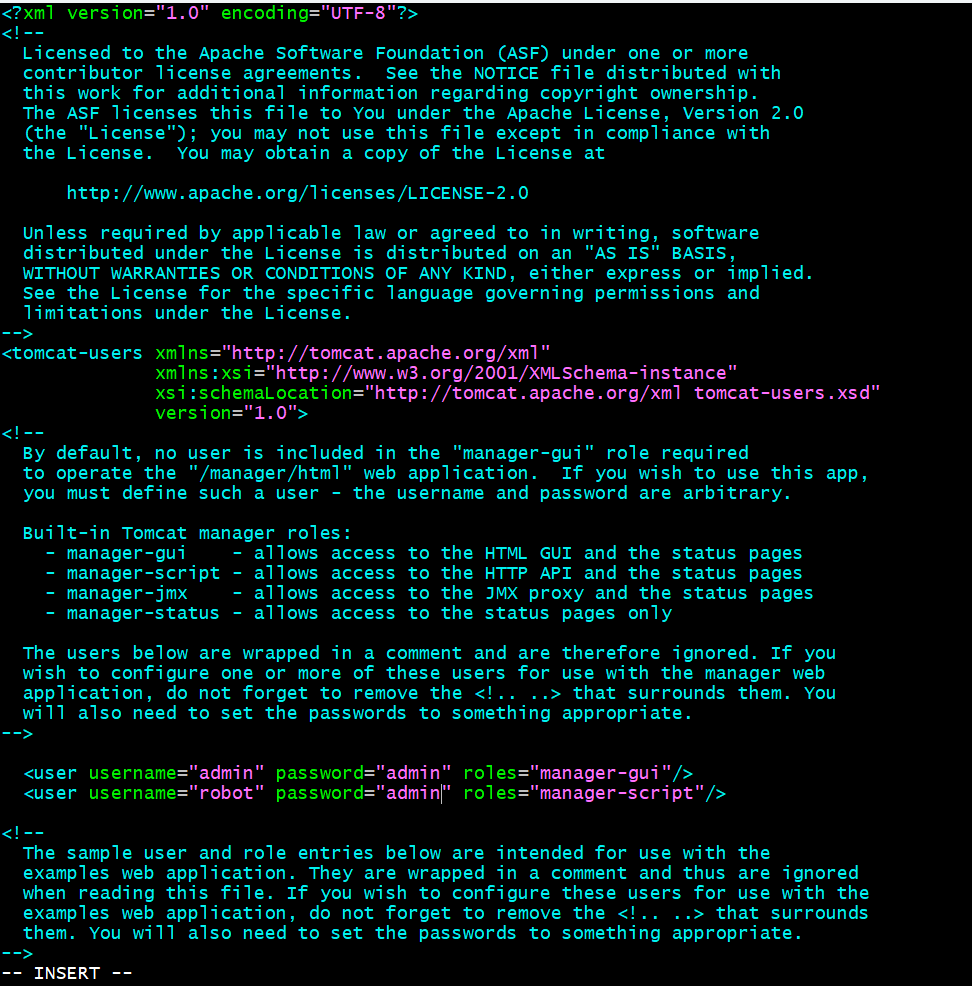


**Step3:** Ensure the credentials to login

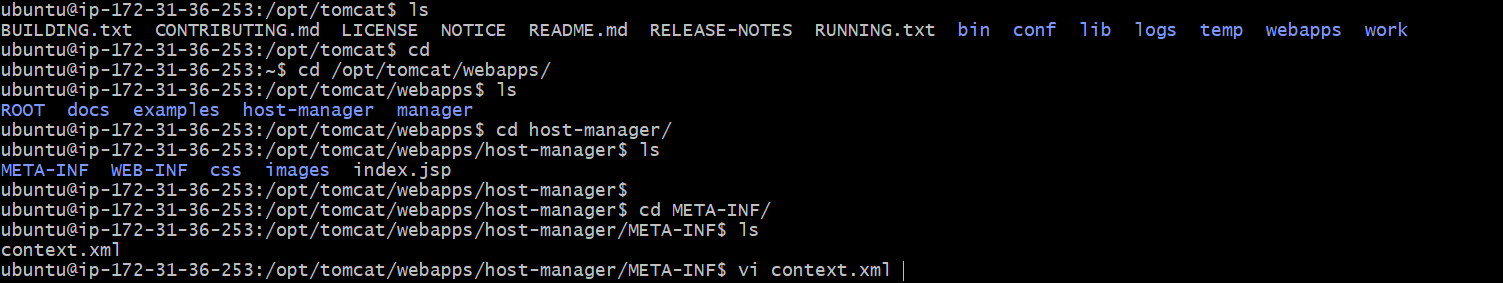
* cd conf/
* ls
* vi tomcat-users.xml



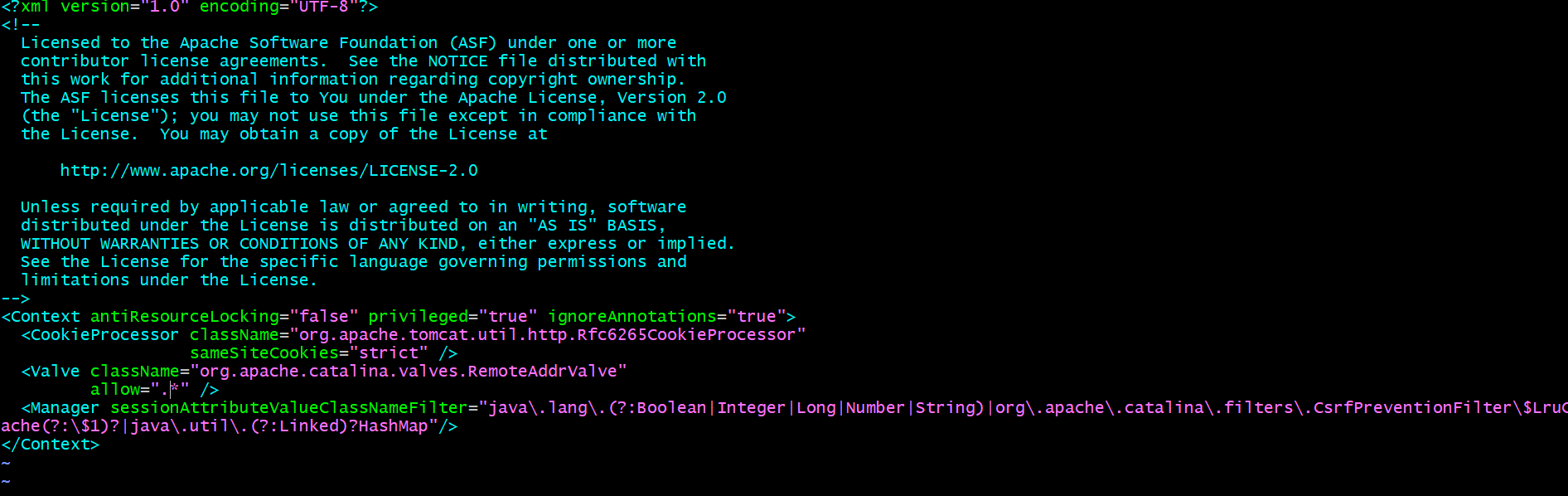
<www.linkedin.com/in/arun-kumar-akula>



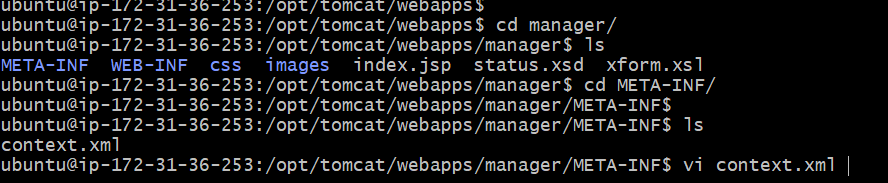
* cd /opt/tomcat/webapps/
* cd host-manager/
* cd META-INF/
* vi context.xml

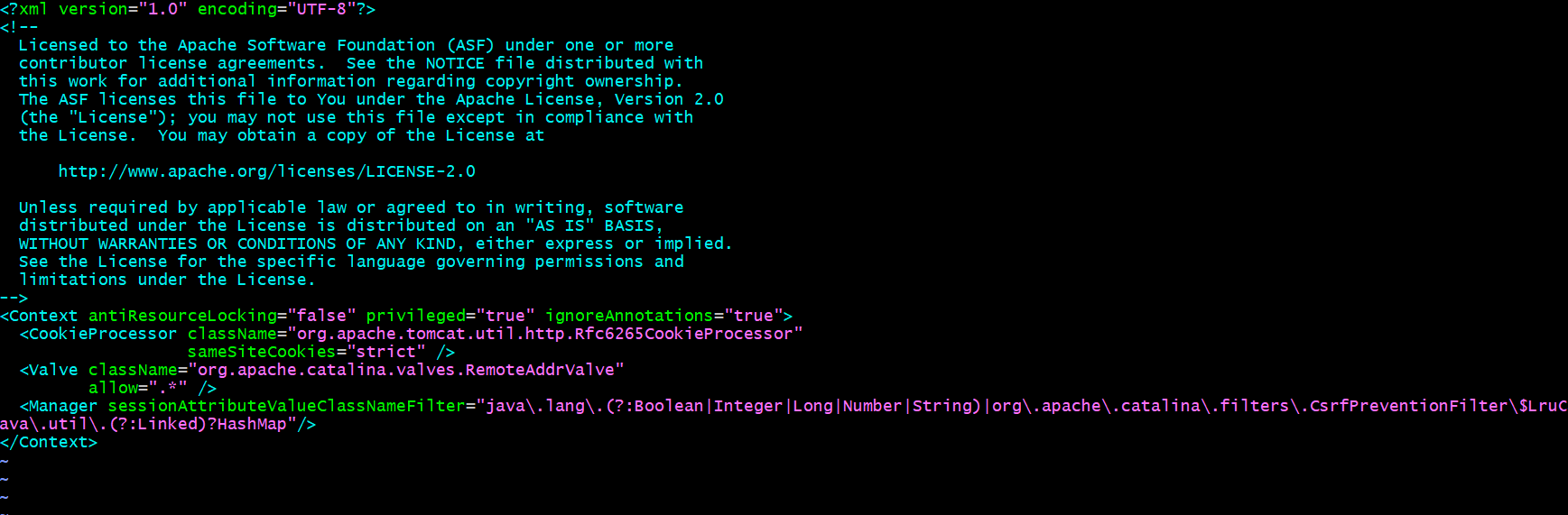


* Here change the allow=”127.0.0.0 to “.\*”

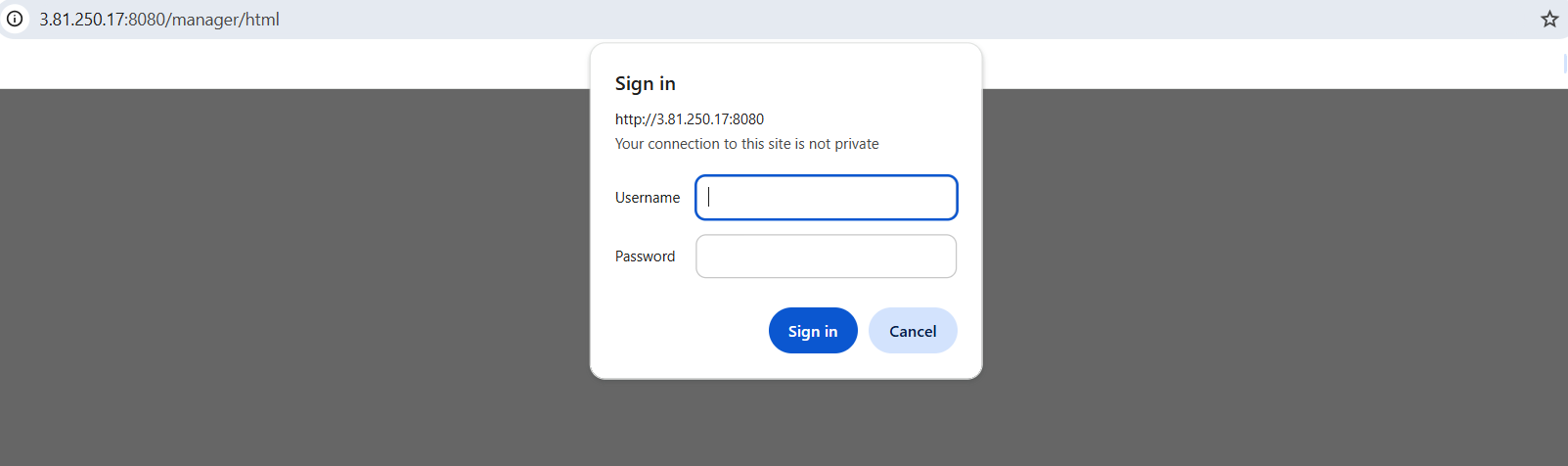


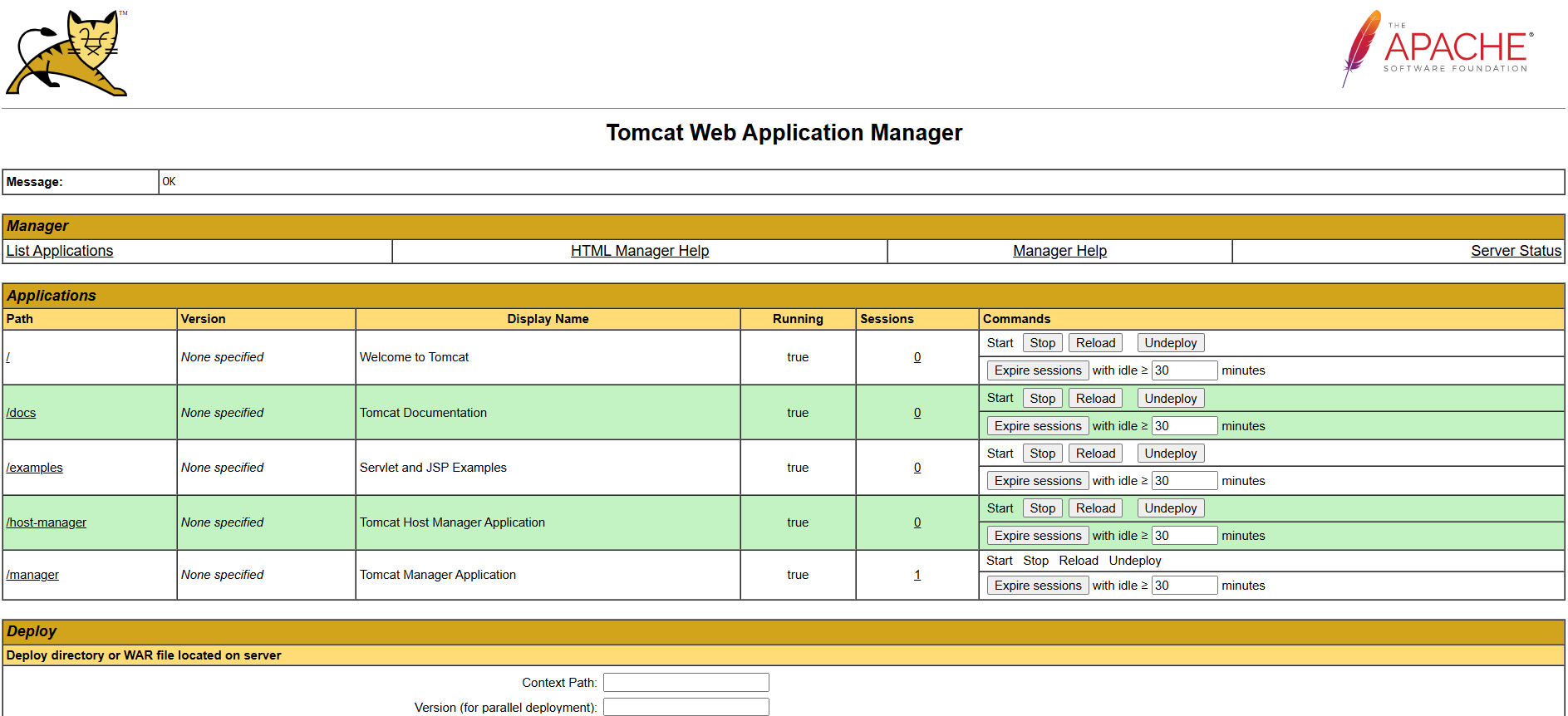
* cd manager/
* cd META-INF/
* vi context.xml





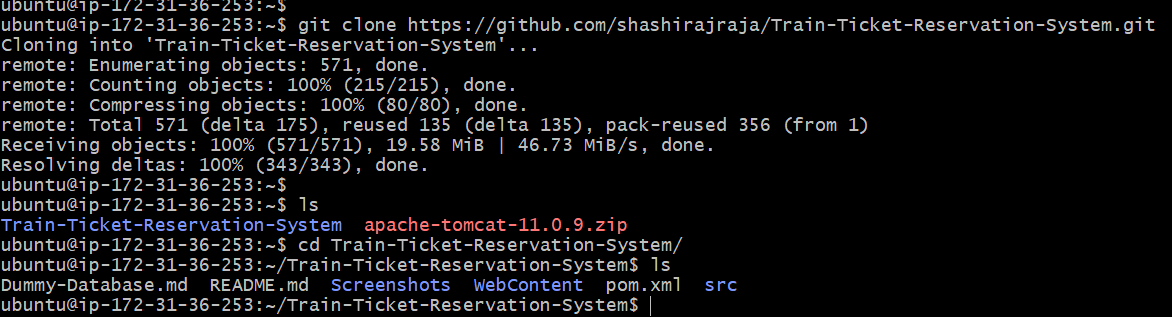
* Same changes as Host-manager file in Manager file.





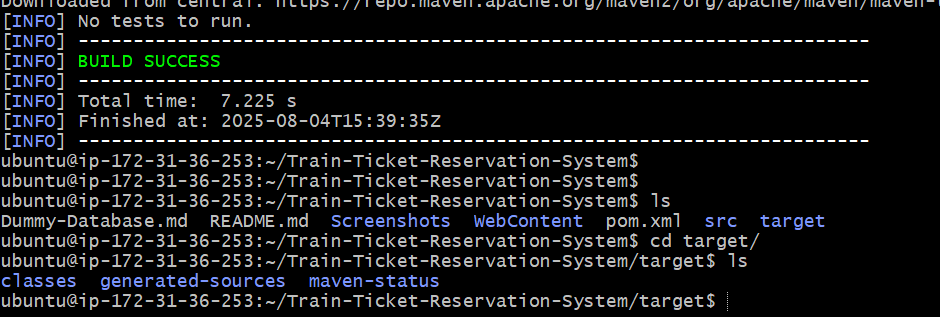
**Step4:** Clone the code as Build the code

* git clone <https://github.com/shashirajraja/Train-Ticket-Reservation-System.git>
* cd Train-Ticket-Reservation-System/

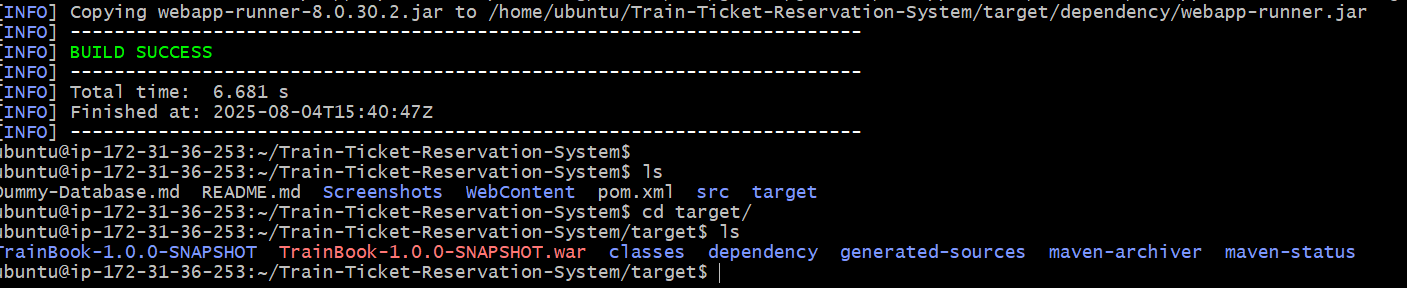


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* Mvn validate
* Mvn test



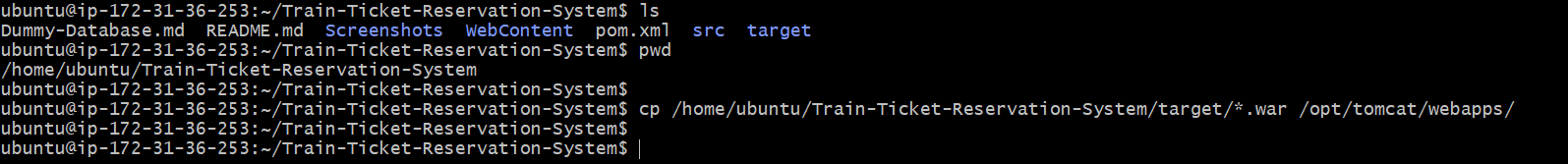
* After Test phase maven will create the Target without the war file.
* Mvn compile
* Mvn package



* Now the Build is successfully completed.

**Step5:** Now deploy the war into the Tomcat webapps

* pwd
* cp /home/ubuntu/Train-Ticket-Reservation-System/target/\*.war /opt/tomcat/webapps/



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* Check the application whether the application is deploy in **Tomcat** or not.!

