AWS ADVANCED PROJECT-6

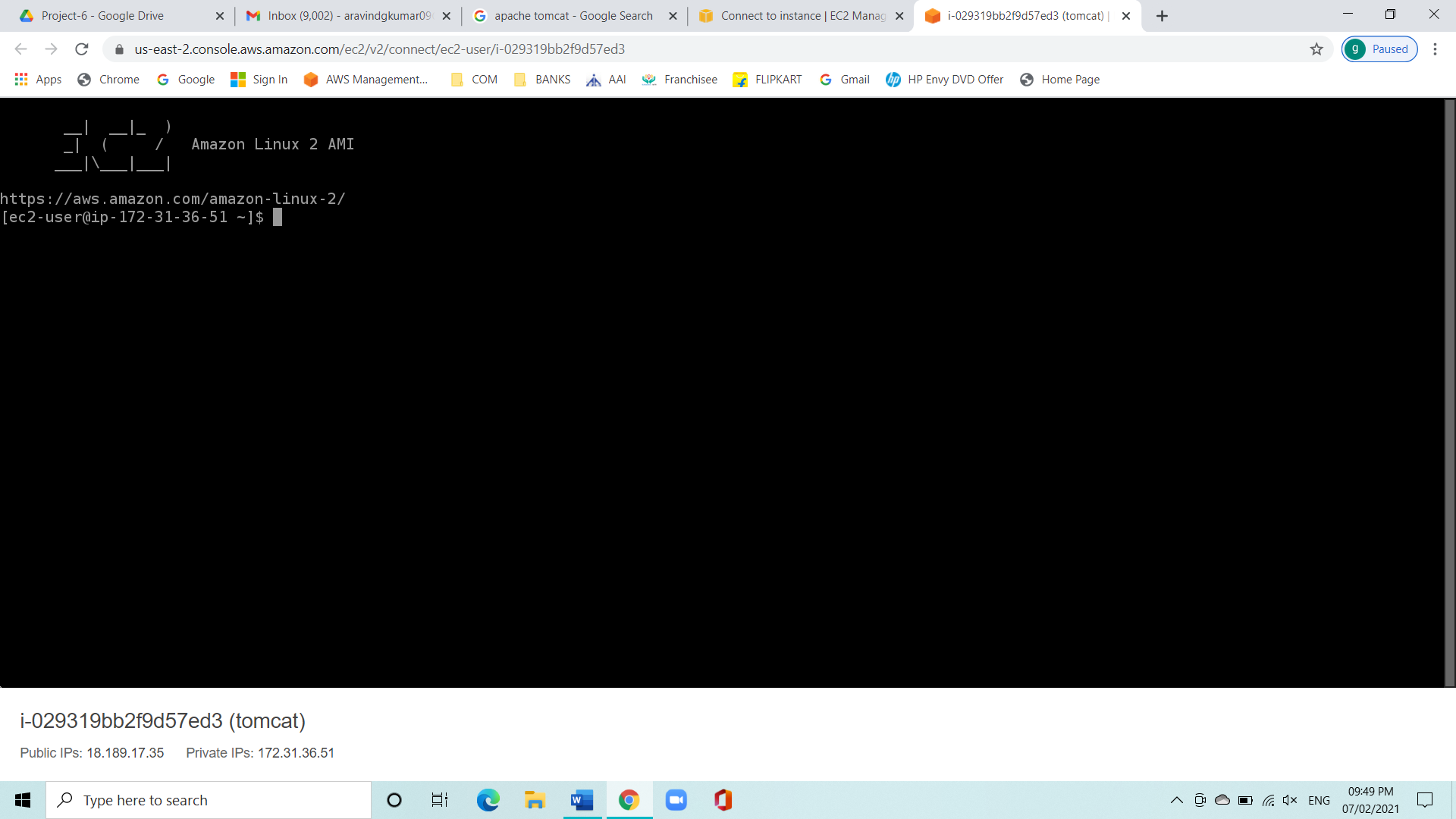
**Installing Apache tomcat server on Linux**

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**Introduction:**

**Apache Tomcat** is an open-source implementation of the Java Servlet, Java Server Pages, Java Expression Language and WebSocket technologies. Tomcat provides a "pure Java" HTTP web server environment in which Java code can run.

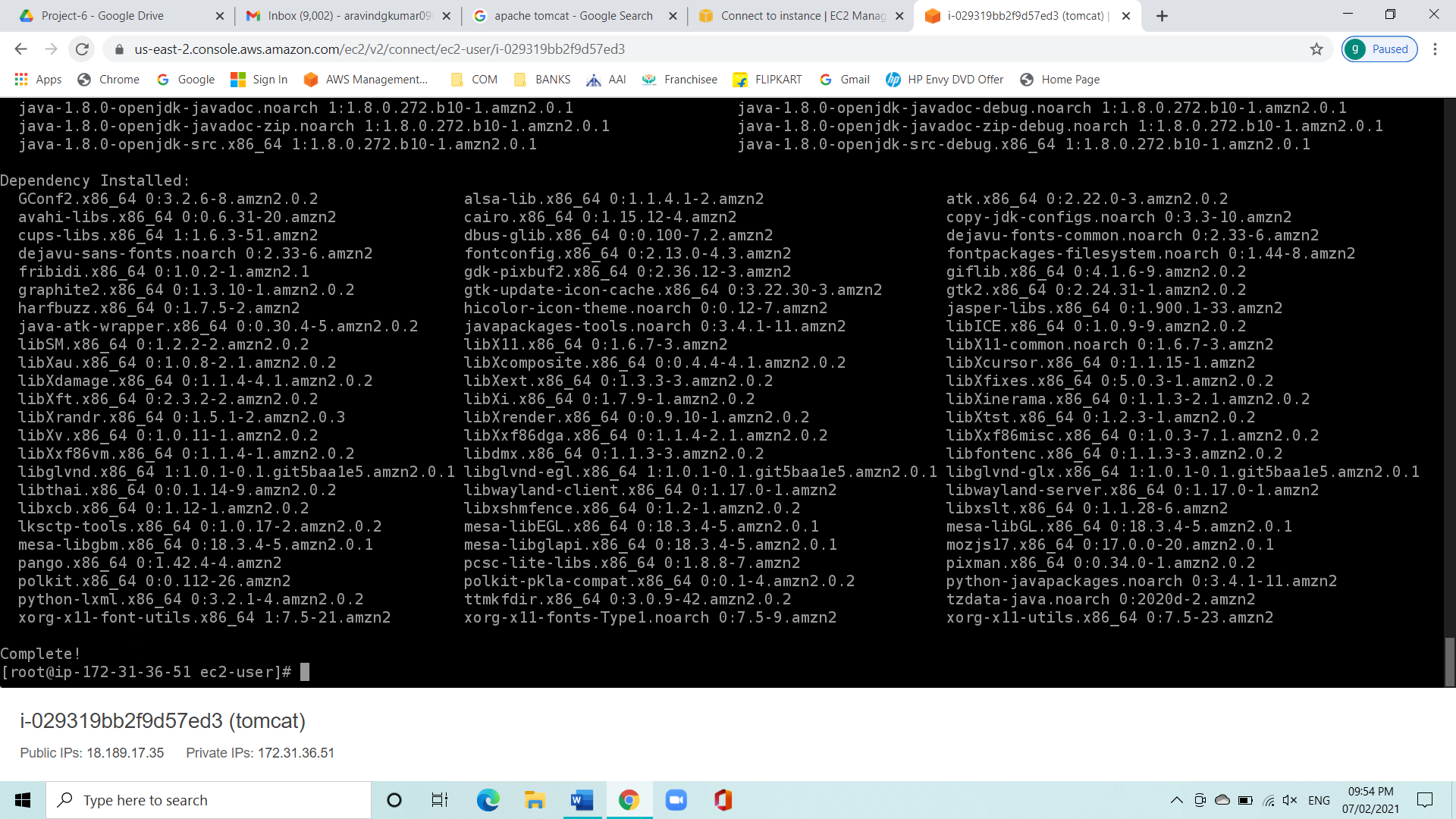
* Create a Linux instance.
* Go to EC2 dashboard and click on create instance.
* Use the amazon Linux AMI and set everything to default.
* Launch the instance and connect it.



* Install java on Linux server.

Sudo su

Yum install java-1.8\*

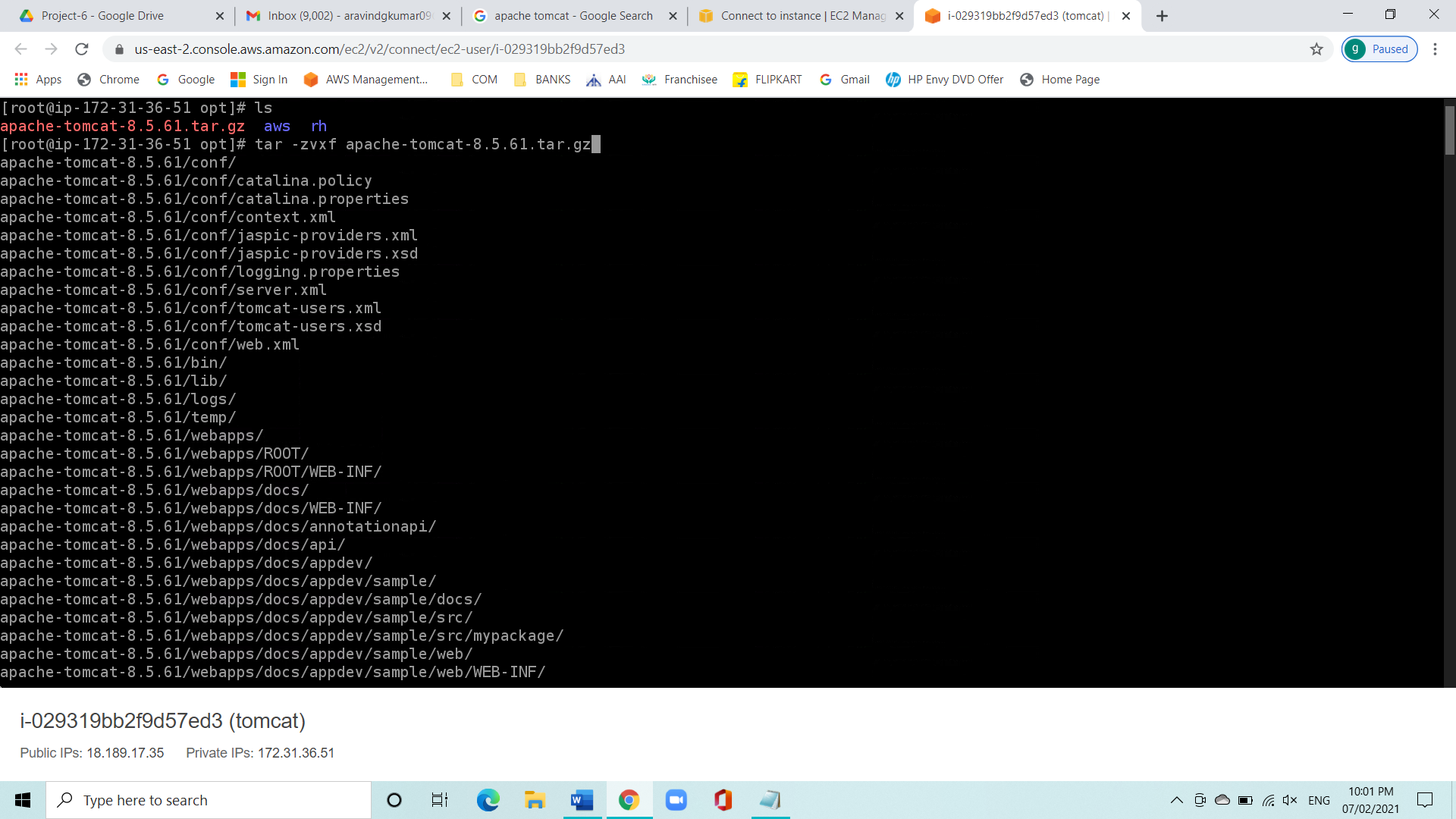


* Install Apache tomcat:

cd /opt

wget https://mirrors.estointernet.in/apache/tomcat/tomcat-8/v8.5.61/bin/apache-tomcat-8.5.61.tar.gz

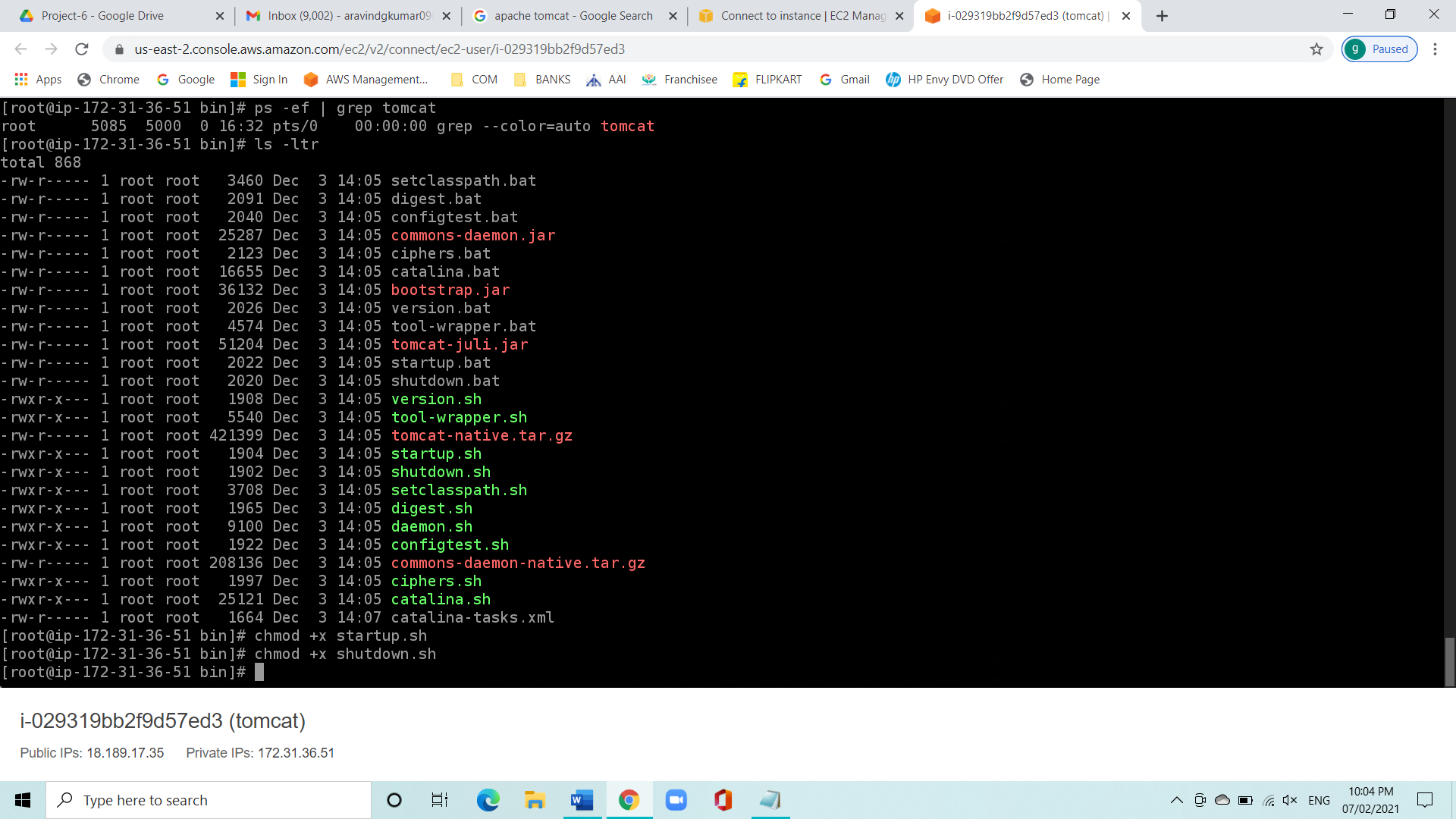
tar -zvxf apache-tomcat-8.5.61.tar.gz



* Modify permissions for startup.sh and shutdown.sh

chmod +x startup.sh

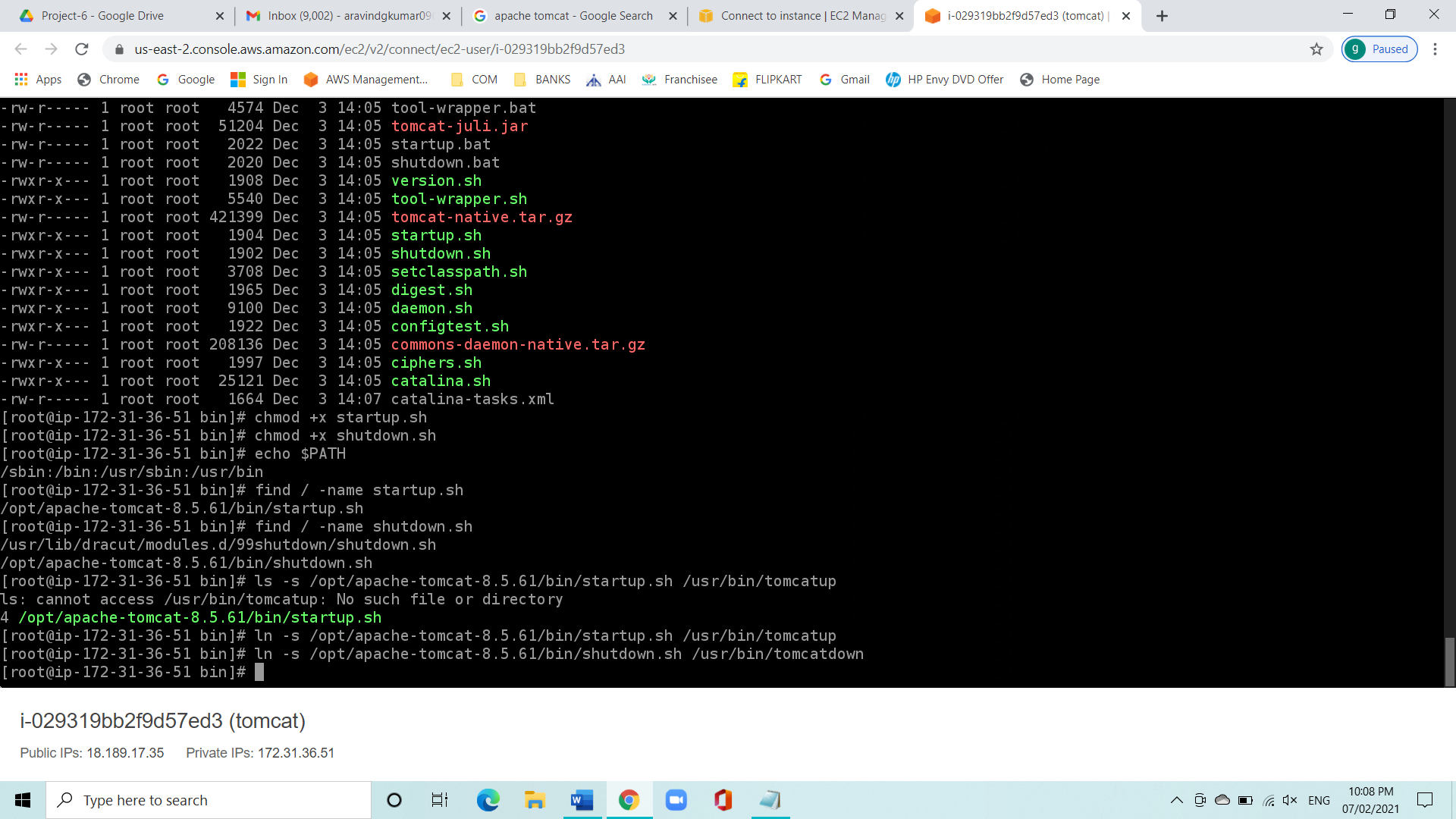
chmod +x shutdown.sh



* Create a softlink

ln -s path /usr/bin/tomcatup

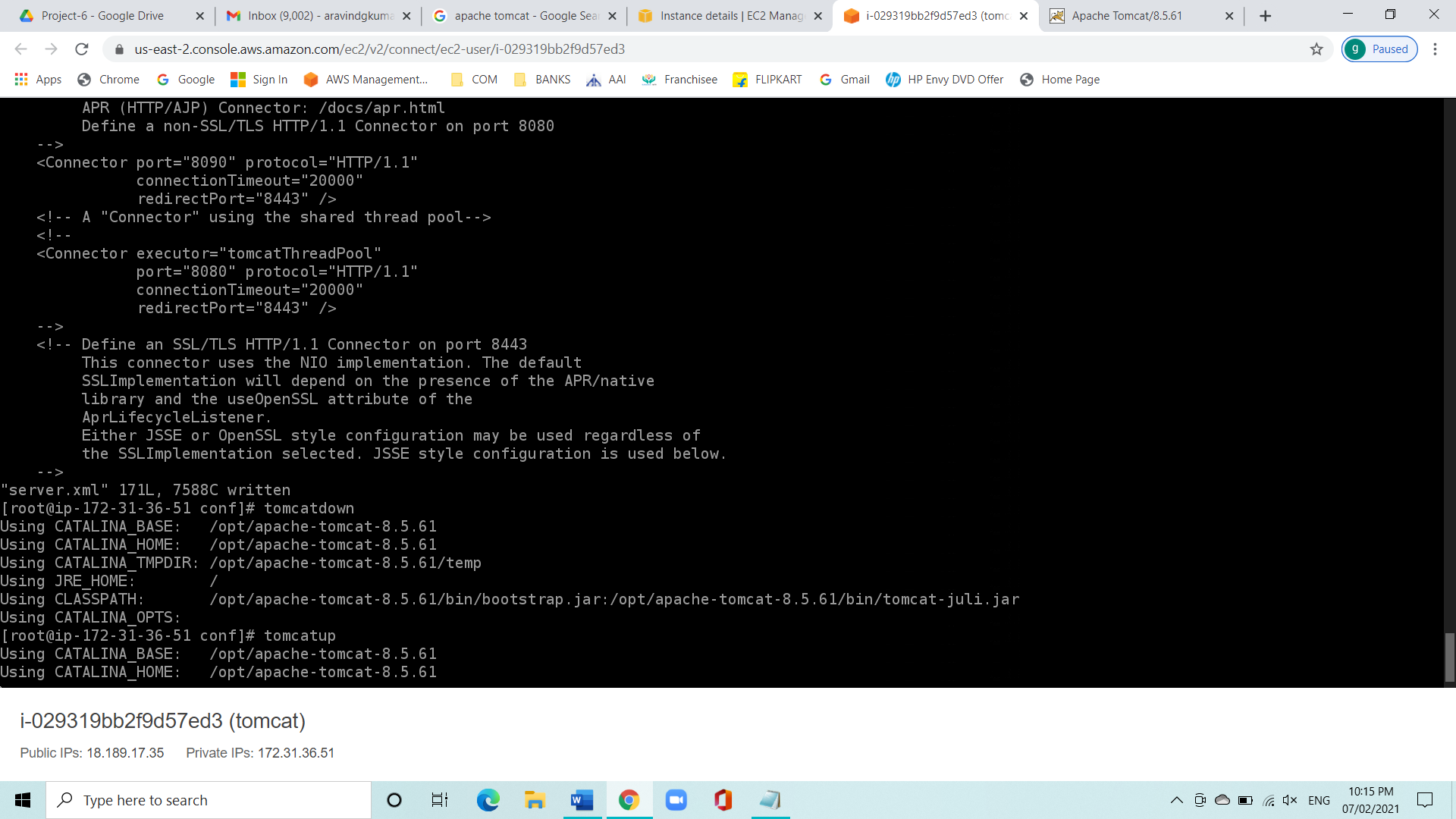
ln -s path /usr/bin/tomcatdown



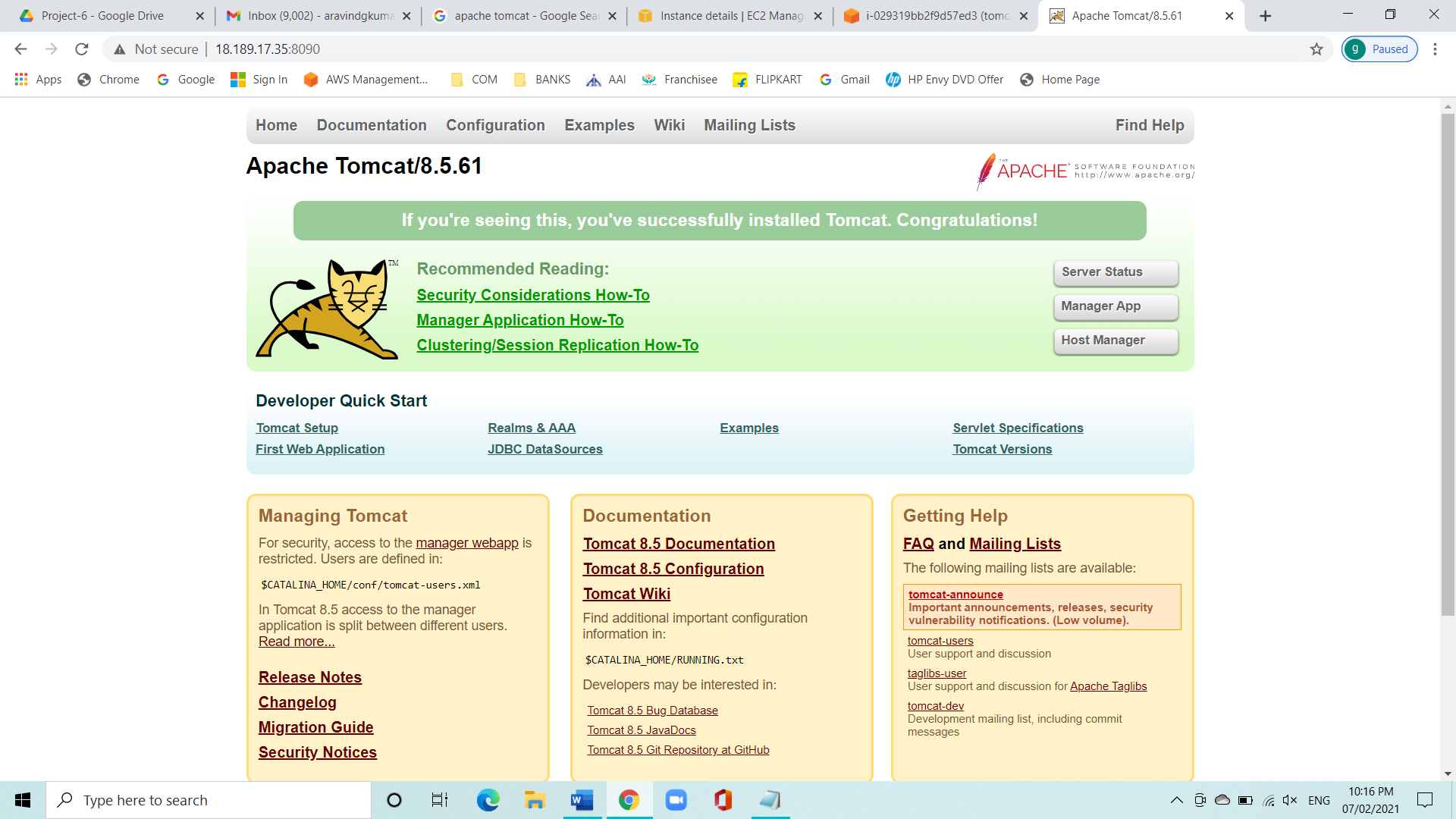
* Change the port to 8090

edit server.xml

vi server.xml



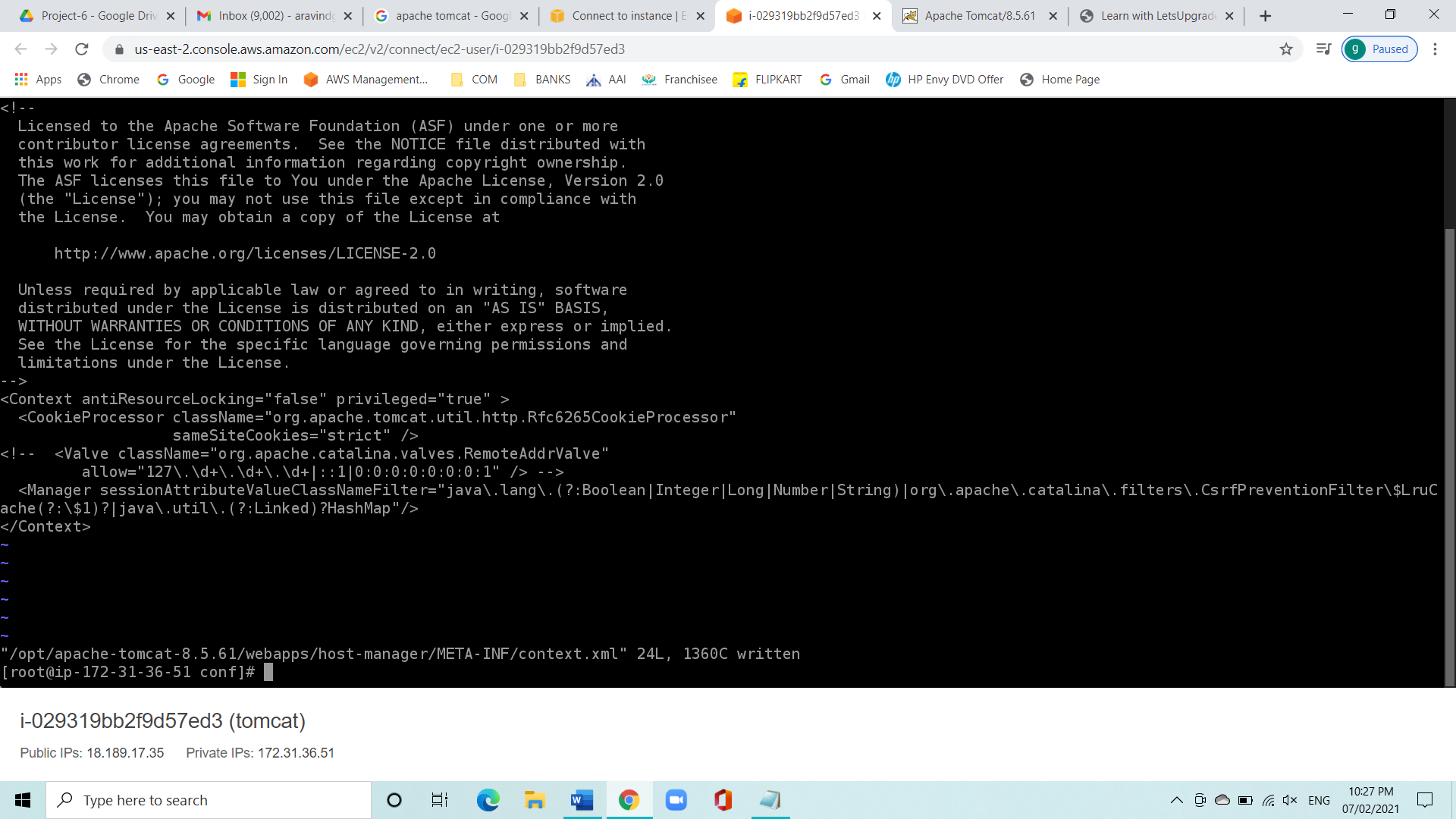
* check configuration in 8090



* Edit context.xml to allow manager apps access

vi context.xml

comment valve



* Add users and roles to tomcat-users.xml

vi tomcat-users.xml

* Add the following roles

<role rolename="manager-gui"/>

<role rolename="manager-script"/>

<role rolename="manager-jmx"/>

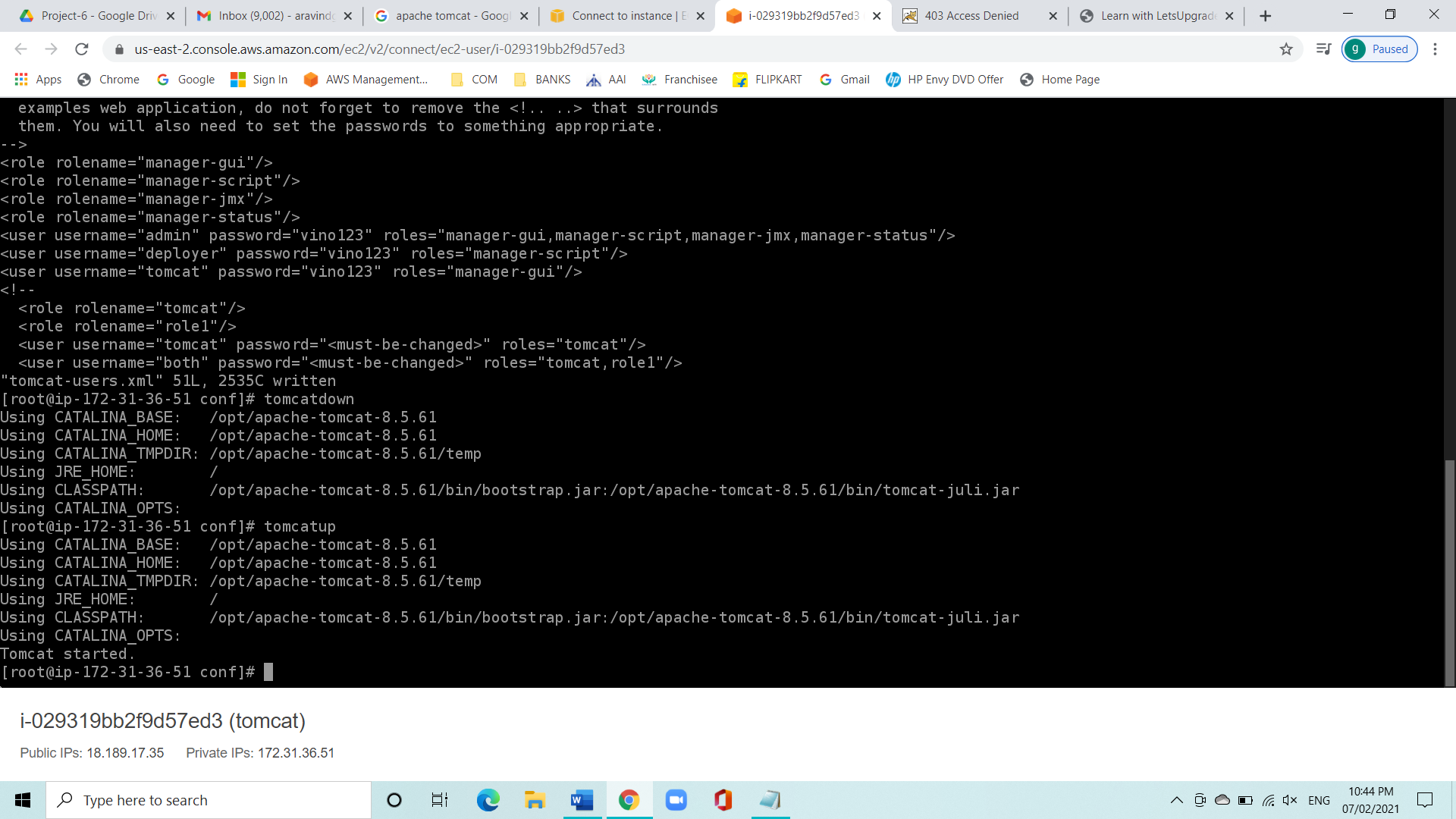
<role rolename="manager-status"/>

<user username="admin" password="vino123"

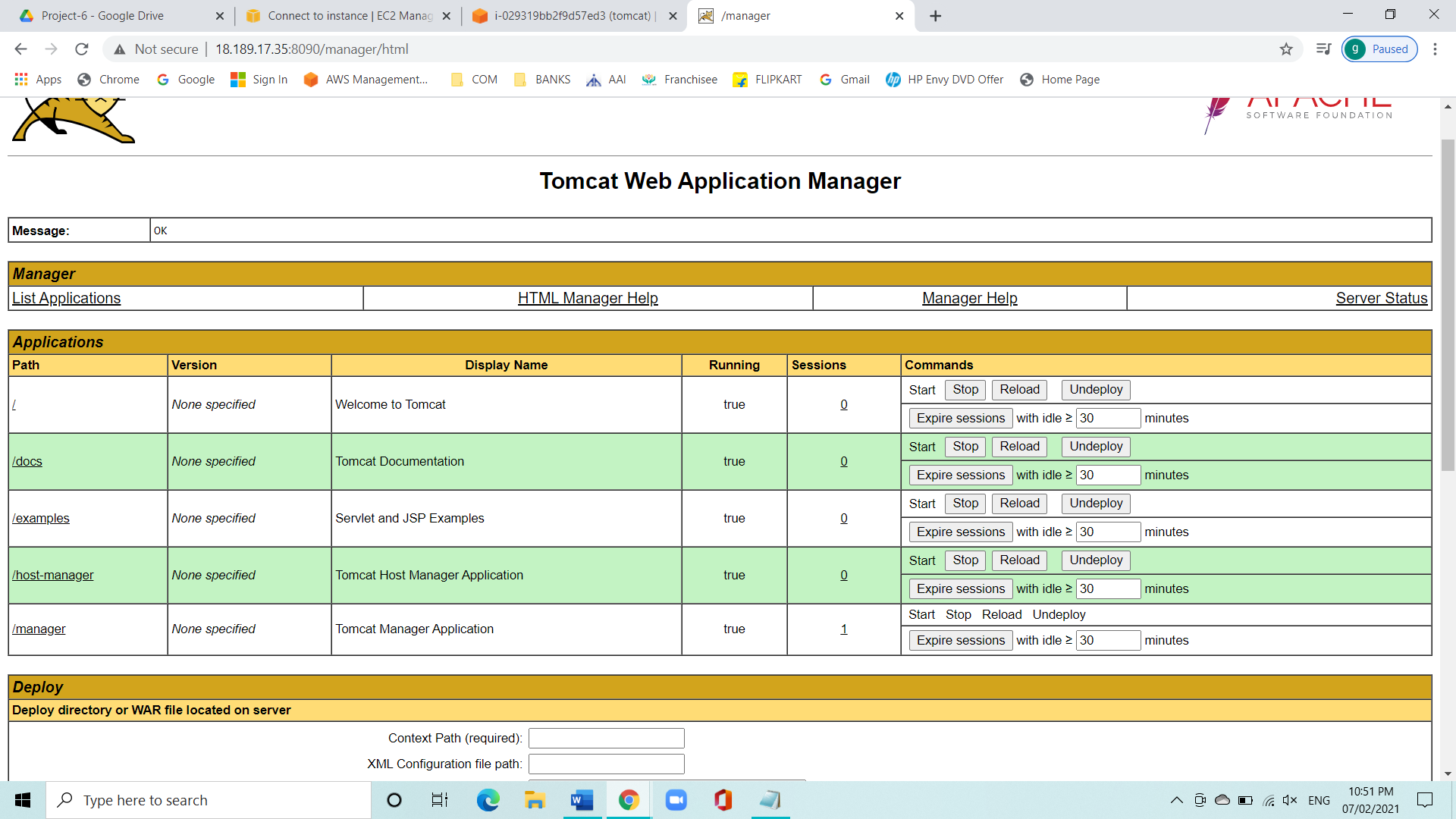
roles="manager-gui,manager-script,manager-jmx,manager-status"/>

<user username="deployer" password="vino123" roles="manager-script"/>

<user username="tomcat" password="<vino123>" roles="manager-gui"/>



* Give a restart and check for web application manager.



**Conclusion:**

We have successfully installed and configured Apache Tomcat server on Linux.