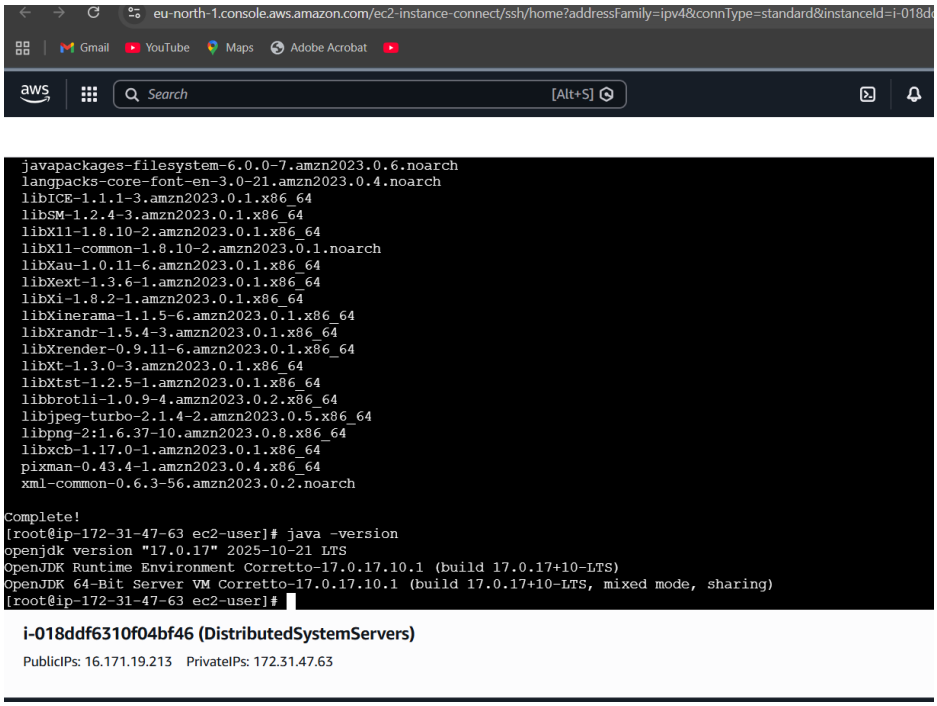
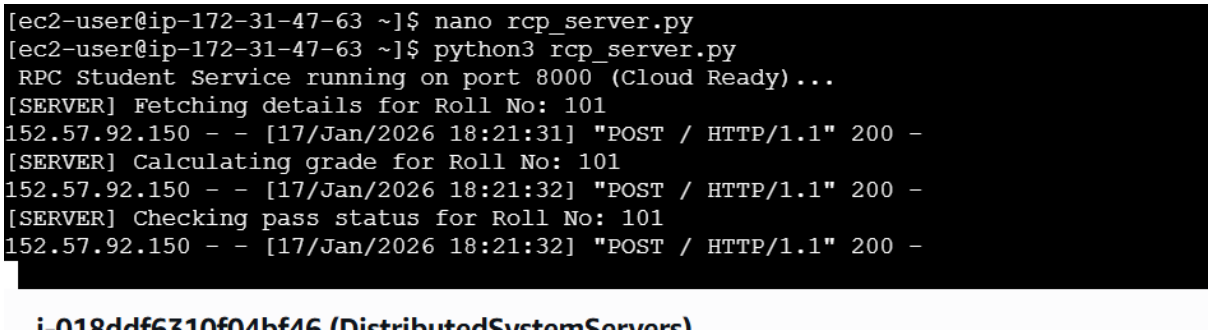
CLOUD CONNECTION



RPC_SERVER.PY (CLOUD)



RPC_CLIENT.PY

```
C:\Users\kf_20\OneDrive\Desktop\Distributed>python rcp_client.py
------------------------------------------------
 Connecting to Cloud RPC Student Service...
------------------------------------------------
 Sending request for Roll Number: 101
------------------------------------------------
 Student Details Retrieved Successfully
   Name  : Arun
   Marks : 85
------------------------------------------------
 Grade Information
   Grade : A
------------------------------------------------
 Examination Result
   Status : PASS
------------------------------------------------
 All remote procedure calls executed successfully.
 Data fetched from Cloud-hosted RPC Server

C:\Users\kf_20\OneDrive\Desktop\Distributed>
```

FOLDER STRUCTURE

```
[ec2-user@ip-172-31-47-63 ~]$ nano StudentService.java
[ec2-user@ip-172-31-47-63 ~]$ nano StudentServiceImpl.java
[ec2-user@ip-172-31-47-63 ~]$ nano RMIServer.java
```

RMI_SERVER.JAVA(CLOUD)

```
^C[ec2-user@ip-172-31-47-63 RMIStudentApp]$ javac StudentService.java StudentServiceImpl.java RMIServer.java
[ec2-user@ip-172-31-47-63 RMIStudentApp]$ java RMIServer
 RMI Student Service running on port 1099...
[SERVER] Sent student details for Roll No: 101
[SERVER] Grade calculated for Roll No: 101
[SERVER] Pass status checked for Roll No: 101
```

i-018ddf6310f04bf46 (DistributedSystemServers)

PublicIPs: 16.171.19.213 PrivateIPs: 172.31.47.63

RMI_CLIENT.JAVA

```
PS C:\Users\kf_20\OneDrive\Desktop\Distributed> javac StudentService.java RMIClient.java
PS C:\Users\kf_20\OneDrive\Desktop\Distributed> java RMIClient
------------------------------------------------
 Connecting to Cloud RMI Student Service...
------------------------------------------------
 Requesting data for Roll No: 101
------------------------------------------------
 Student Details Retrieved
   Name  : Arun
   Marks : 85
------------------------------------------------
? Grade : A
------------------------------------------------
 Result : PASS
------------------------------------------------
All RMI method calls executed successfully.
Data received from Cloud-hosted RMI Server
PS C:\Users\kf_20\OneDrive\Desktop\Distributed>
```