

## CLOUD PRACTICALS

**Time limit:** 1 hr 30min

**Marks : 20**

**Do the following 3 practical questions**

**Instructions:**

1. Please mention question numbers clearly for each answer.
2. The answers for all 3 questions must be **put in one single document**. The **title of the document must be “Cloud Practicals\_[Your name]”** and attach the screenshots for each activity and push it to git [mallikarjuna.hs@tibilsolutions.com](https://github.com/mallikarjuna.hs/tibilsolutions.com) as a collaborator

**Questions:**

1. Launch a free-tier **Ubuntu 22.04** EC2 instance and connect to it using SSH **using CLI (Not using Console)**

The steps are:---

Launch EC2 Instance

AMI: Ubuntu Server

Instance Type: t2micro

Key Pair: Create key value pair

Launch

After that



cloudpractical.pem

chmod 400 cloudpractical.pem--

ssh -i cloudpractical.pem [ubuntu@18.213.1.205](https://github.com/mallikarjuna.hs/tibilsolutions.com)

[ 5 marks]

The screenshot displays the AWS Management Console interface for the 'Instances' page. The left sidebar shows the navigation menu with 'Instances' selected. The main content area shows a list of instances, with one instance named 'cloudpractical' (ID: i-056115bbb66f16b9) highlighted. Below the list, the details for this instance are shown, including its state (Running), type (t2.micro), and status checks (2/2 checks passed). A terminal window is overlaid on the bottom half of the console, showing the output of an SSH command.

**Instances (1/5) Info**

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
	i-07f87d8355b21f3d1	Running	t2.micro	2/2 checks passed	View alarms +
cloudpractical	i-056115bbb66f16b9	Running	t2.micro	2/2 checks passed	View alarms +

**i-056115bbb66f16b9 (cloudpractical)**

**Details** | Status and alarms | Monitoring | Security | Networking | Storage | Tags

**Instance summary Info**

Instance ID	Public IPv4 address	Private IPv4 addresses
i-056115bbb66f16b9	18.213.1.205   <a href="#">open address</a>	172.31.23.75

```
$ ssh -i "cloudpractical.pem" ubuntu@18.213.1.205
The authenticity of host '18.213.1.205 (18.213.1.205)' can't be established.
ED25519 key fingerprint is SHA256:XfcUR+X+gPl6Z4U3ajF1S1Ar2K4Py0Vpt3a+cKZBC14.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '18.213.1.205' (ED25519) to the list of known hosts.
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-1029-aws x86_64)

* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:       https://ubuntu.com/pro

System information as of Fri Jul 11 06:05:15 UTC 2025

System load:  0.0           Processes:            105
Usage of /:   25.7% of 6.71GB Users logged in:      0
Memory usage: 21%          IPv4 address for enX0: 172.31.23.75
Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
```

## 2. Create a S3 bucket using CLI

```

PS C:\Users\Dell> aws configure
AWS Access Key ID [*****NGLO]: AKIAV4D6XOCK70ESJ06J
AWS Secret Access Key [*****2mtB]: g1k7Xk3RyJxxGWvUj4GYL+hS6P+fVoXNaNrwwdmE
Default region name [ap-east-1]:
Default output format [json]:
PS C:\Users\Dell> aws s3api create-bucket --bucket my-rohit-s3-bucket-2025 --region us-east-1
{
  "Location": "/my-rohit-s3-bucket-2025"
}
PS C:\Users\Dell>

```

[5 marks]

3. Transfer a file from your local machine to the EC2 instance using SCP4. Set up AWS CLI and upload the same file to the S3 bucket **using CLI commands**. [10 marks]

I uploaded the file the bucket :

aws s3 ls

aws s3 cp "C:\Users\Dell\Desktop\testfile.txt" s3://my-rohit-s3-bucket1-2025

```

C:\Users\Dell\Downloads>aws s3 cp "C:\Users\Dell\Desktop\testfile.txt" s3://my-rohit-s3-bucket1-2025
Completed 47 Bytes/47 Bytes (15 Bytes/s) with 1 file(s) remaininupload: ..\Desktop\testfile.txt to s3://my-rohit-s3-bucket1-2025/test
file.txt
C:\Users\Dell\Downloads>aws s3 ls s3://my-rohit-s3-bucket1-2025
2025-07-11 15:27:01    47 testfile.txt
C:\Users\Dell\Downloads>

```

The screenshot shows the AWS S3 console interface for the bucket 'my-rohit-s3-bucket1-2025'. The 'Objects' tab is selected, displaying a table with one object: 'testfile.txt'. The object's details include its type (txt), last modified date (July 11, 2025, 15:27:01 UTC+05:30), size (47.0 B), and storage class (Standard). The console also shows various action buttons like 'Copy S3 URI', 'Copy URL', 'Download', 'Open', 'Delete', 'Actions', 'Create folder', and 'Upload'.

Name	Type	Last modified	Size	Storage class
testfile.txt	txt	July 11, 2025, 15:27:01 (UTC+05:30)	47.0 B	Standard

