

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 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 (from AWS Console)

AMI: Ubuntu Server 22.04 LTS (Free-tier eligible)

Instance Type: t2micro

Key Pair: Create key value pair (.pem file needed)

Launch

After that



cloudpractical.pem

chmod 400 cloudpractical.pem--

ssh -i cloudpractical.pem ubuntu@18.213.1.205

[5 marks]

The screenshot displays the AWS Management Console interface for EC2 instances. 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).

Overlaid on the bottom half of the console is a terminal window showing the output of an SSH command. The terminal text is as follows:

```
$ 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\De11> 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\De11> aws s3api create-bucket --bucket my-rohit-s3-bucket-2025 --region us-east-1
{
  "Location": "/my-rohit-s3-bucket-2025"
}
PS C:\Users\De11>

```

[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]

The screenshot displays the AWS Management Console for the EC2 service. At the top, a green notification bar states: "Successfully initiated termination (deletion) of i-05e9bfe648843be35". The main content area shows a list of EC2 instances. Two instances are currently running:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
	i-0a0234910fdacb55f	Running	t2.micro	Initializing	View alarms +	us-east-1d	ec2-54-197-40-29.co
	i-07f87d8355b21f3d1	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1a	ec2-3-84-226-165.co

The left sidebar contains navigation links for EC2, including Dashboard, EC2 Global View, Events, and various instance types like Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, and Capacity Reservations.
