# **CLOUD PRACTICALS**

Step 3: Get Latest Ubuntu 22.04

Name	: Shivam koli
Time li	mit: 1 hr 30min
Marks: 20	
Do the following 3 practical questions	
Instruc	tions:
1.	Please mention question numbers clearly for each answer.
2.	The answers for all 3 questions must be <b>put in one single document</b> . The <b>title of the document must be "Cloud Practicals_[Your name]"</b> and attach the screenshots for each activity and push it to git <u>mallikarjuna.hs@tibilsolutions.com</u> as a collaborator
Questi	ons:
1.	Launch a free-tier <b>Ubuntu 22.04</b> EC2 instance and connect to it using SSH <b>using CLI (Not using Console)</b>
	[ 5 marks]
An	s:
	aws configure aws access key: AWS Access Key ID [*************AL62]: AKIAV7DXTE37VTI7QLW3
	aws secret key: AWS Secret Access Key  [***********Qh/p]: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
4.	Region : us-east-1
	Step 2: Create a Key Pair
	Command:
	aws ec2 create-key-pairkey-name my-keypairquery "KeyMaterial"output text > my-keypair.pem
	I got:
	'chmod' is not recognized

#### Command:

aws ec2 describe-images --owners 099720109477 --filters "Name=name,Values=ubuntu/images/hvm-ssd/ubuntu-jammy-22.04-amd64-server-\*" ...

ami-05ec1e5f7cfe5ef59

Step 4: created the security group and ssh

### Command:

aws ec2 create-security-group ... aws ec2 authorize-security-group-ingress ...

Step 5: launch ec2 instance

## Command:

aws ec2 run-instances --image-id ami-05ec1e5f7cfe5ef59 --count 1 --instance-type t2.micro --key-name my-keypair --security-group-ids sg-0843096e924fd2713

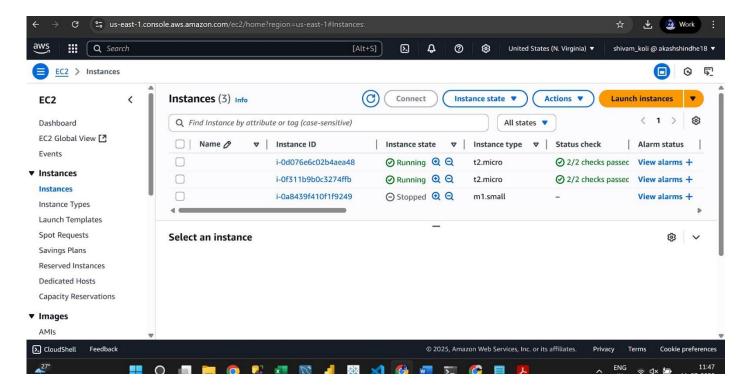
Instance ID: i-0d076e6c02b4aea48

Public IP: 18.234.190.104

Step 6: check route table & internet gateway

#### Command:

aws ec2 describe-route-tables ...



2. Create a S3 bucket using CLI

[5 marks]

Ans:

- 1. aws -version
- 2. aws configure

AWS Access Key ID: AKIAV7DXTE37VTI7QLW3

AWS Secret Access Key: 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

Default region name: us-east-1

3. Successfully Create a Unique Bucket

aws s3api create-bucket --bucket hellohellobyebye --region us-east-1

4. Verify Bucket Creation

aws s3 ls

5. Upload a File to the S3 Bucket

aws s3 cp "C:\Users\Shivam\Downloads\outcome.txt" s3://hellohellobyebye/

6. Verify File Upload

aws s3 ls s3://hellohellobyebye/

7. successfully created an S3 bucket using AWS CLI

```
C:\Users\Shivam>aws s3api create-bucket --bucket rocketbucket --region us-east-1

An error occurred (BucketAlreadyExists) when calling the CreateBucket operation: The requested bucket name is not available. The buck et namespace is shared by all users of the system. Please select a different name and try again.

C:\Users\Shivam>aws s3api create-bucket --bucket awsbucket --region us-east-1

An error occurred (BucketAlreadyExists) when calling the CreateBucket operation: The requested bucket name is not available. The buck et namespace is shared by all users of the system. Please select a different name and try again.

C:\Users\Shivam>aws s3api create-bucket --bucket hellohellobyebye --region us-east-1

{
    "Location": "/hellohellobyebye"
}

C:\Users\Shivam>aws s3 ls

2025-07-11 11:38:56 akash-bucket-20250711-xyz123

2025-07-11 11:58:06 hellohellobyebye

C:\Users\Shivam>aws s3 cp ""C:\Users\Shivam\Downloads\outcome.txt" s3://hellohellobyebye/
upload: Downloads\outcome.txt to s3://hellohellobyebye/

C:\Users\Shivam>aws s3 ls s3://hellohellobyebye/

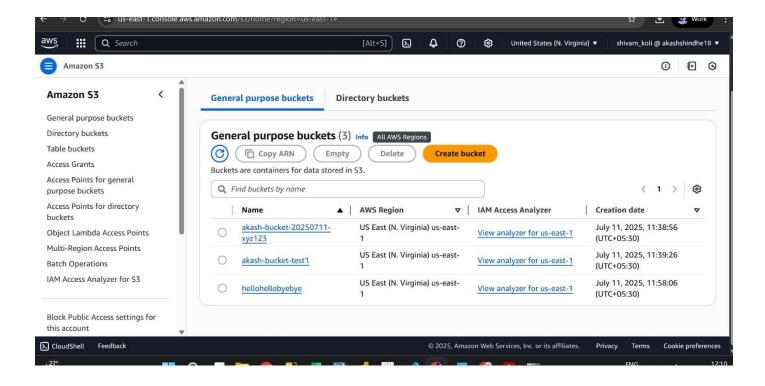
2025-07-11 12:01:00 1033 outcome.txt

C:\Users\Shivam>aws s3 ls s3://hellohellobyebye/

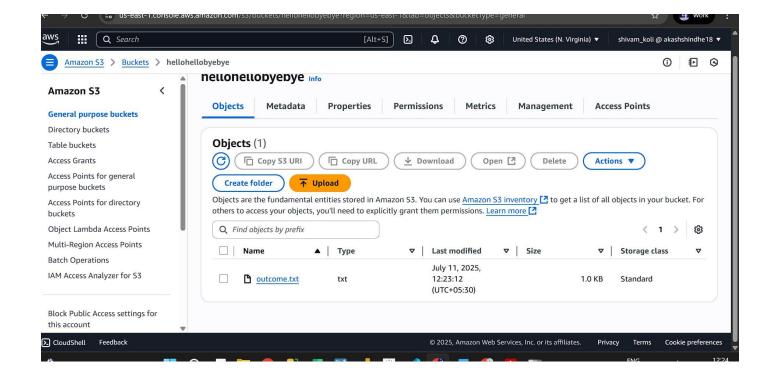
C:\Users\Shivam>aws s3 ls s3://hellohellobyebye/

C:\Users\Shivam>aws s3 ls s3://hellohellobyebye/

C:\Users\Shivam>aws s3 ls s3://hellohellobyebye/
```



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]



## Command:

1. Upload File from EC2 to S3

aws s3 cp /home/ubuntu/outcome.txt s3://hellohellobyebye/

verify it:

aws s3 ls s3://hellohellobyebye/

confirmation:

2025-07-11 12:23:12 1033 outcome.txt