

## CODING CONTEST 1

727721EUIT124  
RAJPAL B

03/05/2023

2023\_SKCET\_Cloud\_CC1

Time:30 minutes

Marks: 16

**Q1. Create an EC2 Instance in the us-east-1 region with the following requirements.  
Give the Name tag of both EC2 instance & key pair as "ec2usecase1"(Name).(4 Marks)**

The screenshot shows the AWS Management Console for the us-east-1 region. The 'Instances' page displays a table with two instances:

Name	Instance ID	Instance state	Instance type	Status check	Availability Zone	IPv6 IPs	Key name
ec2usecase1	i-0918d8237da055f0d	Running	t2.micro	2/2 checks passed	us-east-1d	-	ec2usecase1
ec2usecase1	i-0ddcb88eb125ae95a	Terminated	t2.micro	-	us-east-1d	-	ec2usecase1

The details for instance i-0918d8237da055f0d (ec2usecase1) are shown below:

- Platform: Amazon Linux (Inferred)
- AMI ID: ami-03c7d01cf4dedc891
- AMI name: amzn2-ami-kernel-5.10-hvm-2.0.20230418.0-x86\_64-gp2
- Launch time: Wed May 03 2023 15:16:01 GMT+0530 (India Standard Time) (13 minutes)
- Monitoring: disabled
- Termination protection: Disabled
- AMI location: amazon/amzn2-ami-kernel-5.10-hvm-2.0.20230418.0-x86\_64-gp2
- Stop protection: Disabled
- Instance auto-recovery: Default
- Lifecycle: normal
- Stop-hibernate behavior: disabled

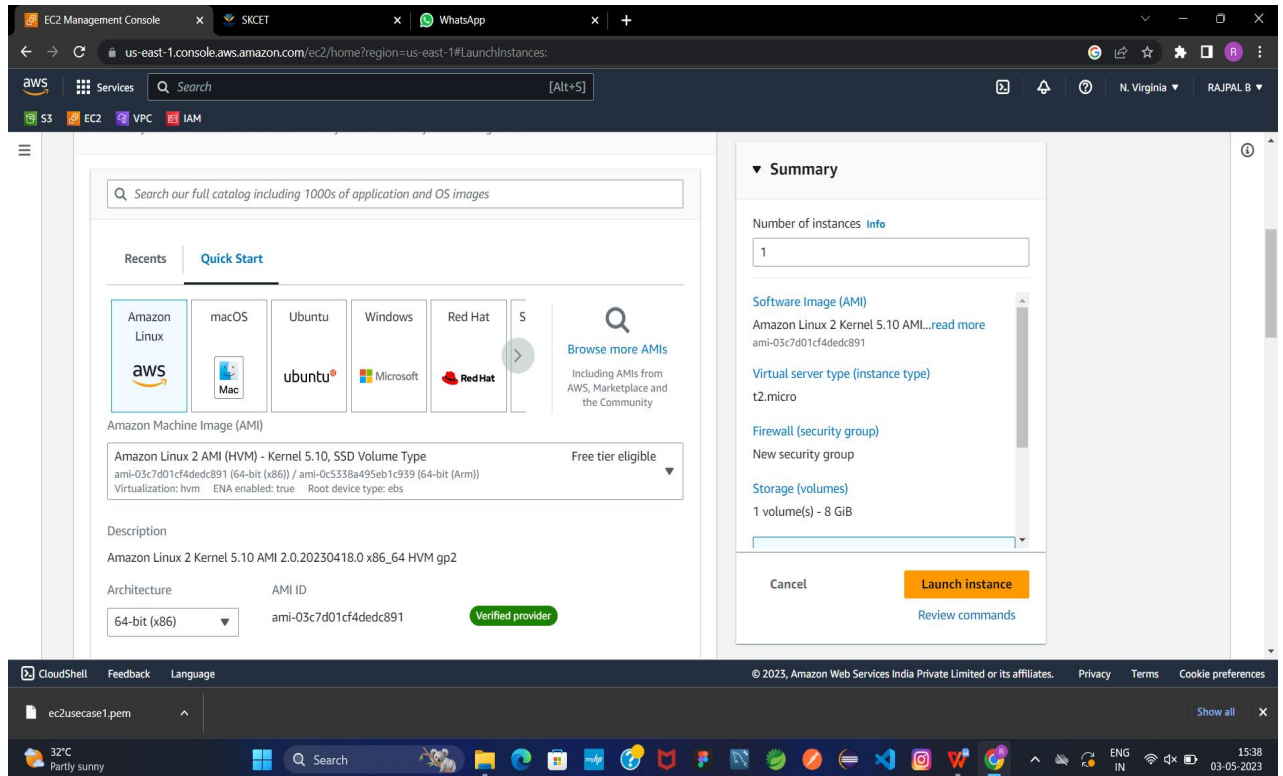
**EC2 instance AMI should be "Amazon Linux 2".(4 Marks)**

The screenshot shows the AWS Management Console for the us-east-1 region. The 'Instances' page displays a table with two instances:

Name	Instance ID	Instance state	Instance type	Status check	Availability Zone	IPv6 IPs	Key name
ec2usecase1	i-0918d8237da055f0d	Running	t2.micro	2/2 checks passed	us-east-1d	-	ec2usecase1
ec2usecase1	i-0ddcb88eb125ae95a	Terminated	t2.micro	-	us-east-1d	-	ec2usecase1

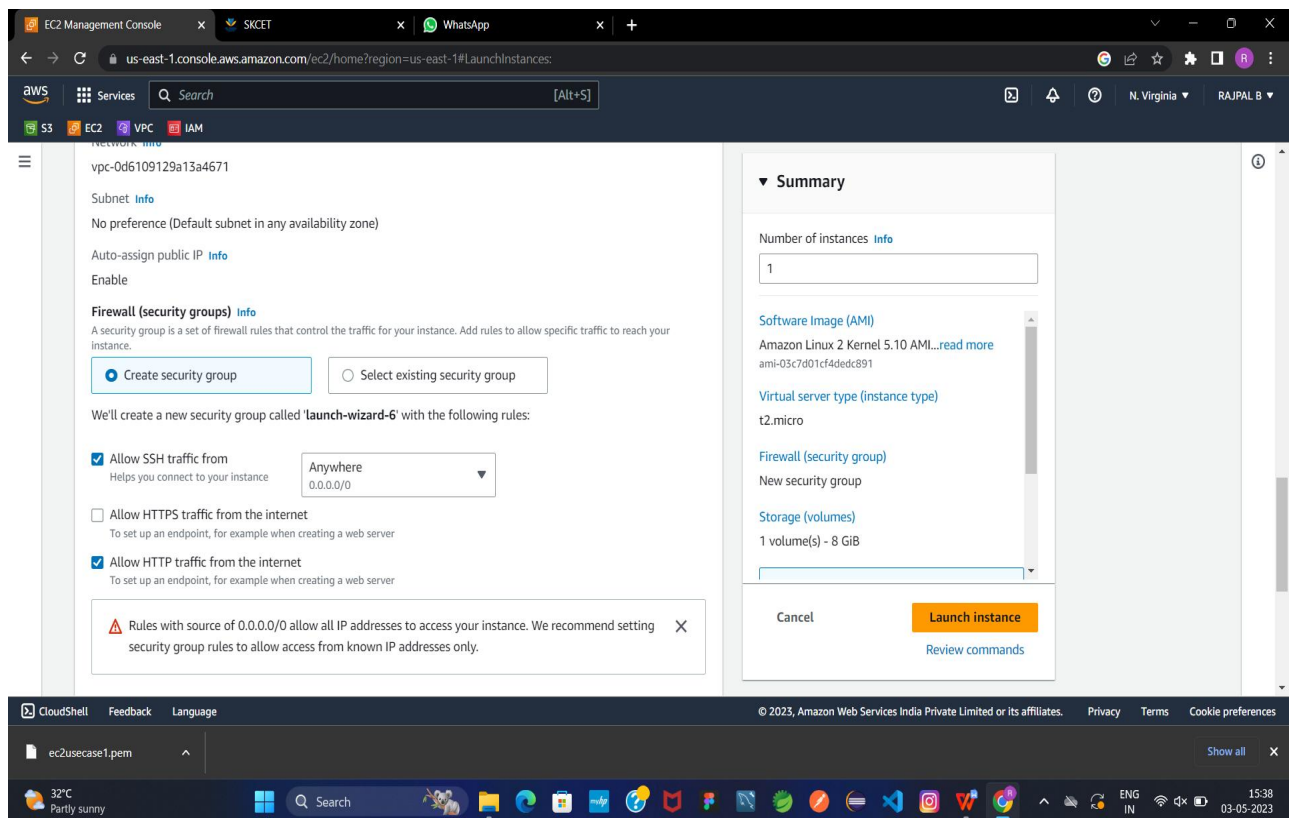
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- AMI ID: ami-03c7d01cf4dedc891
- AMI name: amzn2-ami-kernel-5.10-hvm-2.0.20230418.0-x86\_64-gp2
- Launch time: Wed May 03 2023 15:16:01 GMT+0530 (India Standard Time) (13 minutes)
- Monitoring: disabled
- Termination protection: Disabled
- AMI location: amazon/amzn2-ami-kernel-5.10-hvm-2.0.20230418.0-x86\_64-gp2
- Stop protection: Disabled
- Instance auto-recovery: Default
- Lifecycle: normal
- Stop-hibernate behavior: disabled



Allow SSH traffic for taking putty remote connection.(4 Marks)

Allow HTTP traffic from the internet for reaching website requests.(4 Marks)



023\_SKCET\_Cloud\_CC1

Time:30 minutes

Marks: 17

Q3. Create a S3 bucket for the following requirements Create a new S3 bucket in the region of "Stockholm".(4 Marks)

The screenshot shows the AWS Management Console interface. A green notification banner at the top states: "Successfully created bucket 'mybucket-rajpalc1'. To upload files and folders, or to configure additional bucket settings choose View details." The left sidebar shows the "Amazon S3" menu with options like Buckets, Access Points, and Storage Lens. The main content area displays the "Buckets (1)" list. A table shows the details of the newly created bucket:

Name	AWS Region	Access	Creation date
mybucket-rajpalc1	EU (Stockholm) eu-north-1	Bucket and objects not public	May 3, 2023, 16:04:23 (UTC+05:30)

Make the bucket accessible to everyone(publicly) via Bucket ACL.(4 Marks)

The screenshot shows the "Block public access (bucket settings)" page in the AWS Management Console. The "Block all public access" toggle is currently turned off. Below this, the "Individual Block Public Access settings for this bucket" are listed:

- ☐ Block public access to buckets and objects granted through *new* access control lists (ACLs)
- ☐ Block public access to buckets and objects granted through *any* access control lists (ACLs)
- ☐ Block public access to buckets and objects granted through *new* public bucket or access point policies
- ☐ Block public and cross-account access to buckets and objects through *any* public bucket or access point policies

## Upload a text file in the name of 'accounts.txt'. (5Marks)

The screenshot shows the AWS S3 console interface. The browser address bar displays the URL: `s3.console.aws.amazon.com/s3/buckets/mybucket-rajpalc1?region=eu-north-1&tab=objects`. The console header shows the AWS logo, a search bar, and navigation links for S3, EC2, VPC, and IAM. The main content area is titled 'mybucket-rajpalc1' and includes tabs for 'Objects', 'Properties', 'Permissions', 'Metrics', 'Management', and 'Access Points'. The 'Objects' tab is active, showing a list of objects. A search bar at the top of the object list contains the text 'Find objects by prefix'. Below the search bar, there is a table with columns: Name, Type, Last modified, Size, and Storage class. The table contains one entry: 'accounts.txt' (Type: txt, Last modified: May 3, 2023, 16:09:03 (UTC+05:30), Size: 5.0 B, Storage class: Standard). Above the table, there are buttons for 'Copy S3 URI', 'Copy URL', 'Download', 'Open', 'Delete', 'Actions', 'Create folder', and 'Upload'. The bottom of the screenshot shows a Windows taskbar with various application icons and a system tray displaying the date and time as 16:09 on 03-05-2023.

## Make the object 'accounts.txt' file accessible to everyone(publicly).(4 Marks)

The screenshot shows the AWS S3 console interface for editing public access. The browser address bar displays the URL: `s3.console.aws.amazon.com/s3/buckets/mybucket-rajpalc1/object/edit_public_read_access?region=eu-north-1&showversions=false`. A green banner at the top indicates 'Successfully edited public access' with a 'View details below' link. The main content area is titled 'Make public: status' and includes a 'Close' button. Below the title, there is a summary section with a table showing the status of public access. The table has three columns: Source, Successfully edited public access, and Failed to edit public access. The 'Source' column contains the text 's3://mybucket-rajpalc1'. The 'Successfully edited public access' column contains a green checkmark icon and the text '1 object, 5.0 B'. The 'Failed to edit public access' column contains the text '0 objects'. Below the summary section, there is a section titled 'Failed to edit public access (0)' with a search bar and a 'Find objects by name' button. The bottom of the screenshot shows a Windows taskbar with various application icons and a system tray displaying the date and time as 16:09 on 03-05-2023.