

**K.kishor**  
**727721euit080**  
**Cloud Computing**

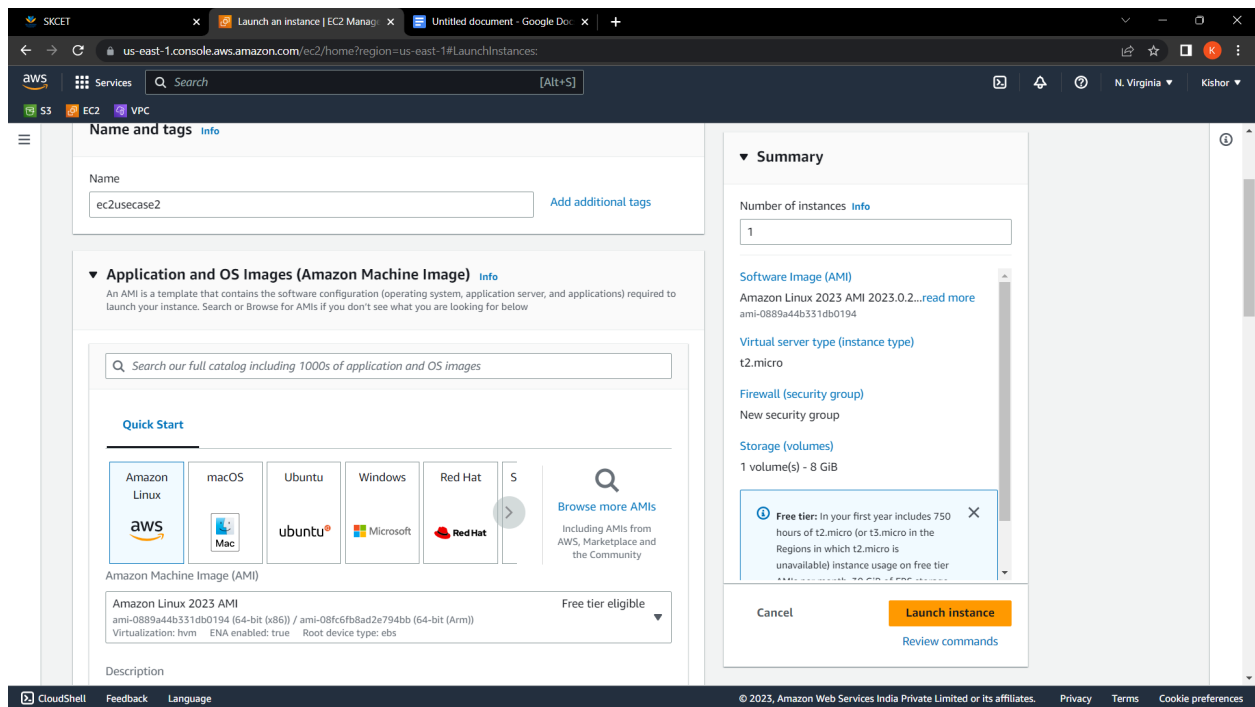
**CA-1**

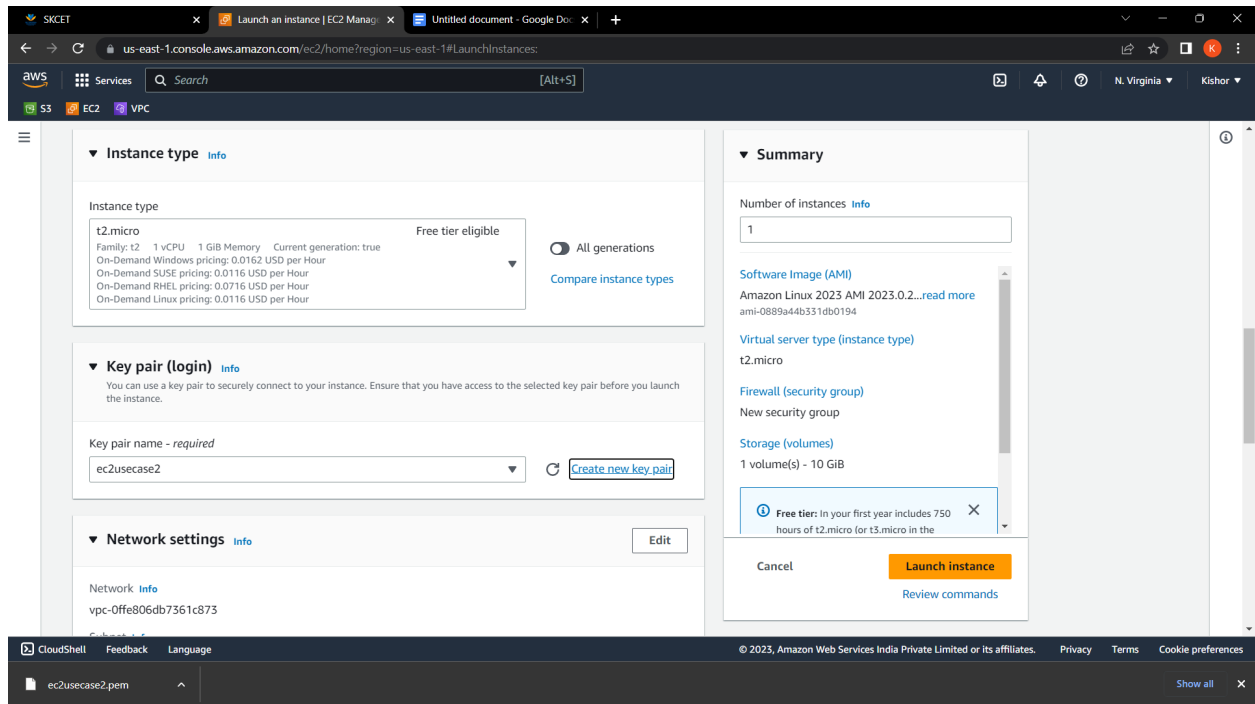
**Question.1**

**Create an EC2 instance with the following requirements.**

Give the Name tag of both server & keypair as "ec2usecase2"(Name).

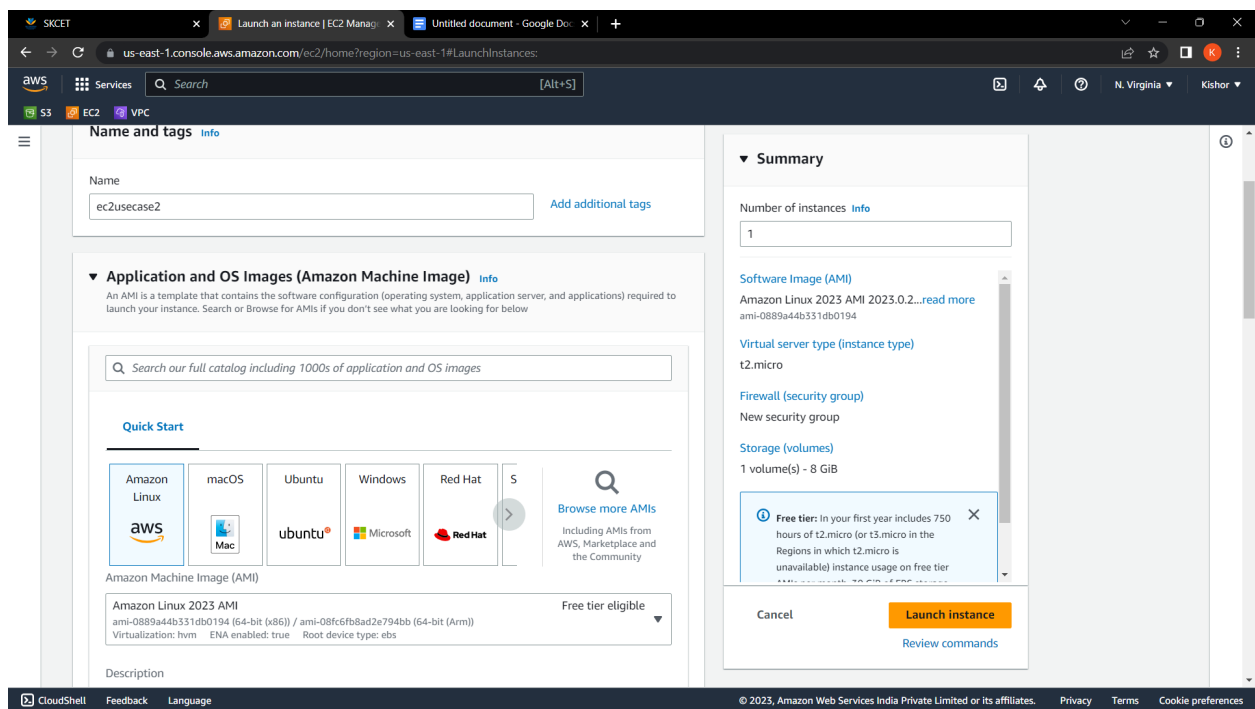
**(Marks 5)**





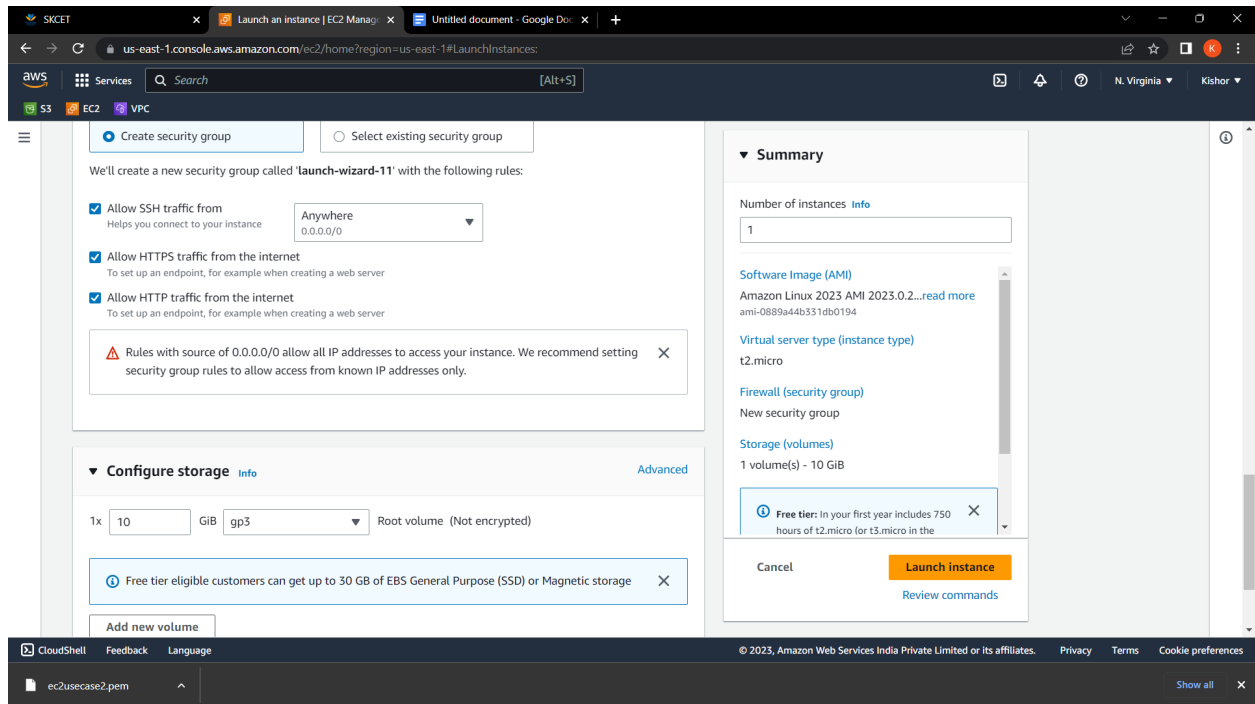
Select the AMI from the Amazon Linux OS Platform.

(Marks 5)



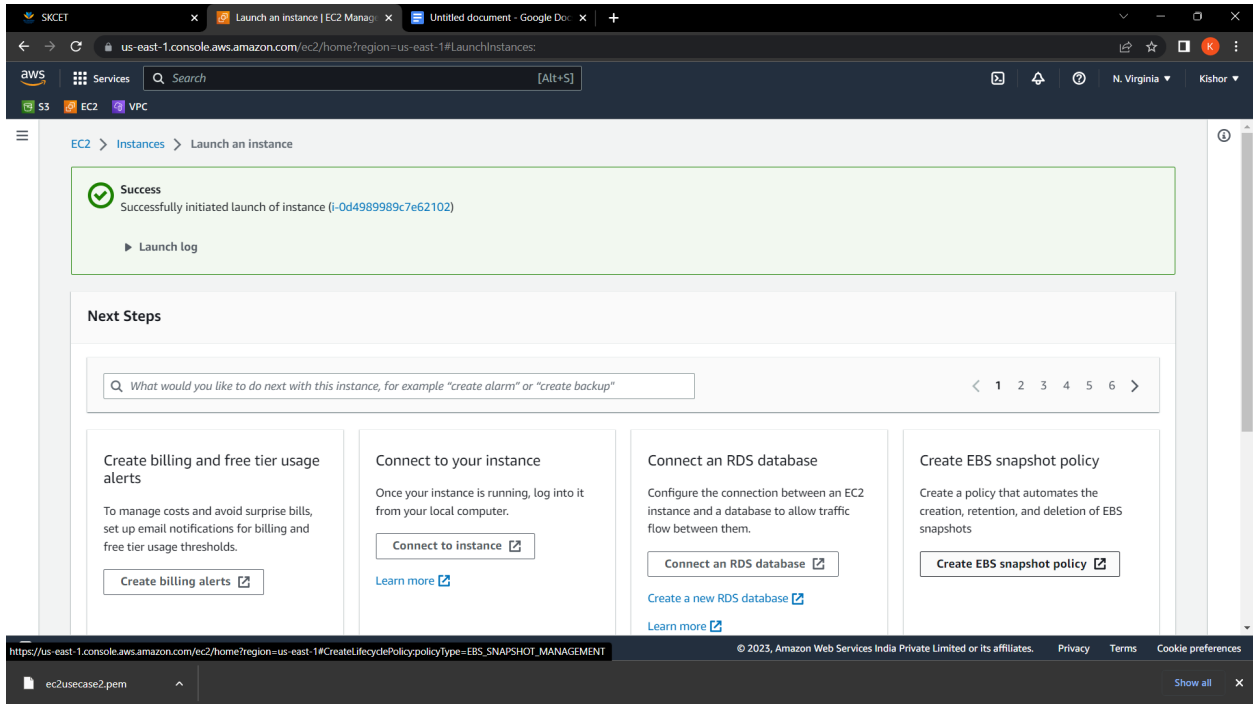
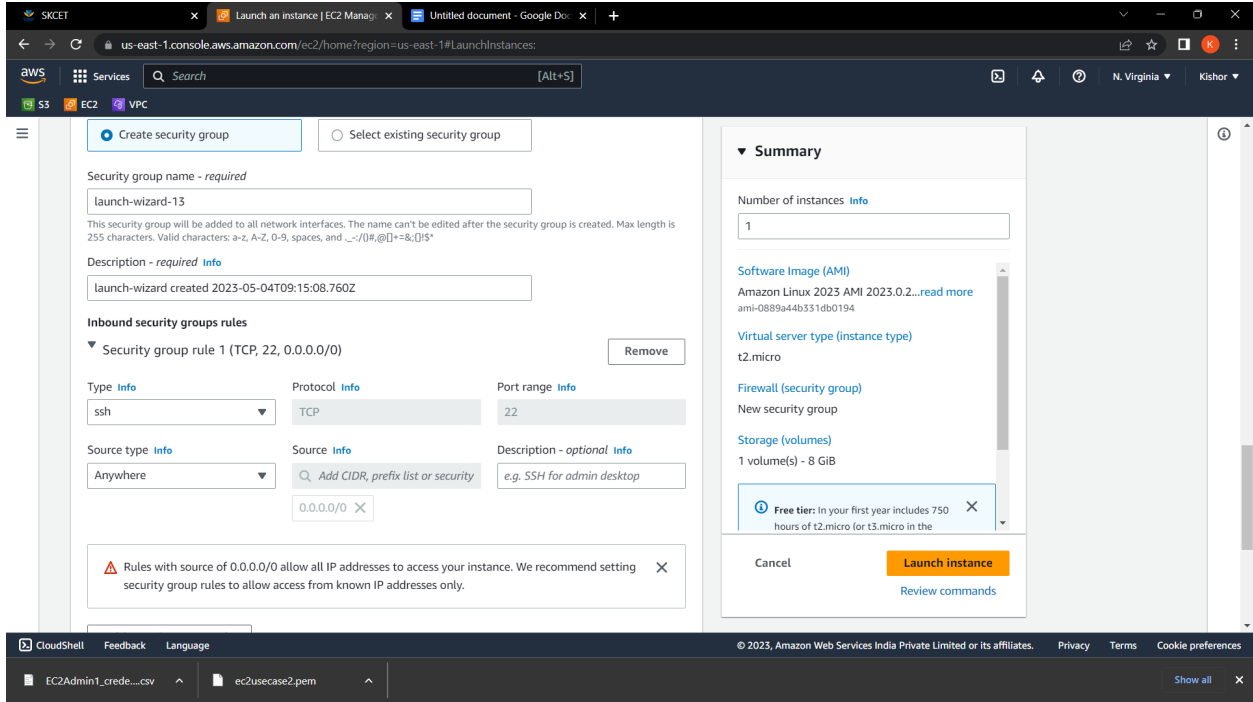
Increase the root EBS volume size to 10 GB from the default size.

(Marks 5)



Expose Port No.22 for taking putty remote connection.

(Marks 5)

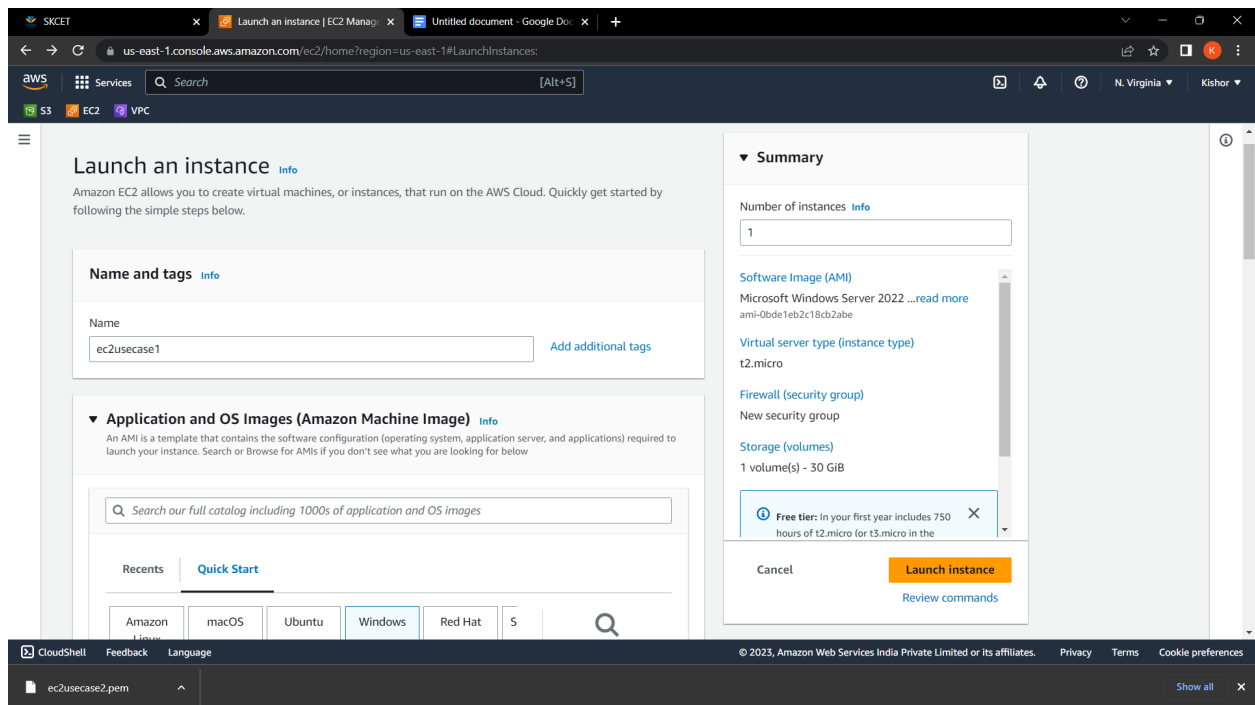


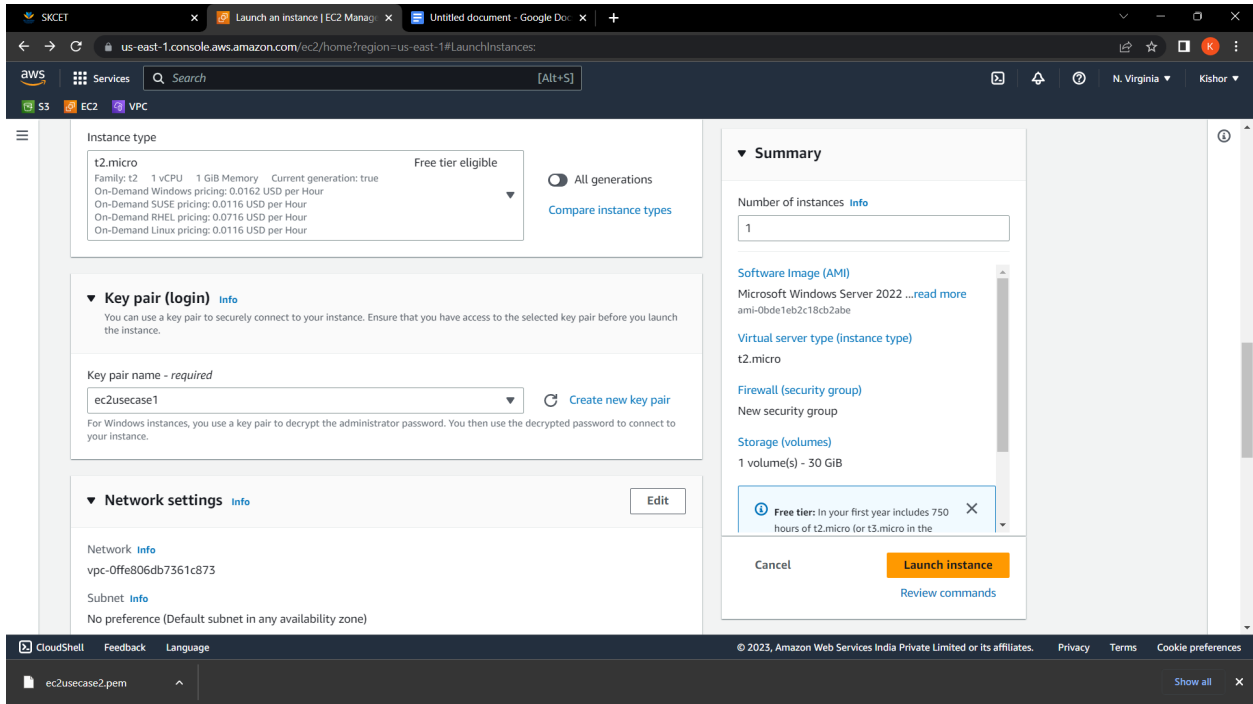
## Question.2

Create an EC2 Instance in the given AWS account with the following requirements.

Give the Name tag of both server & keypair as "ec2usecase1"(Name).

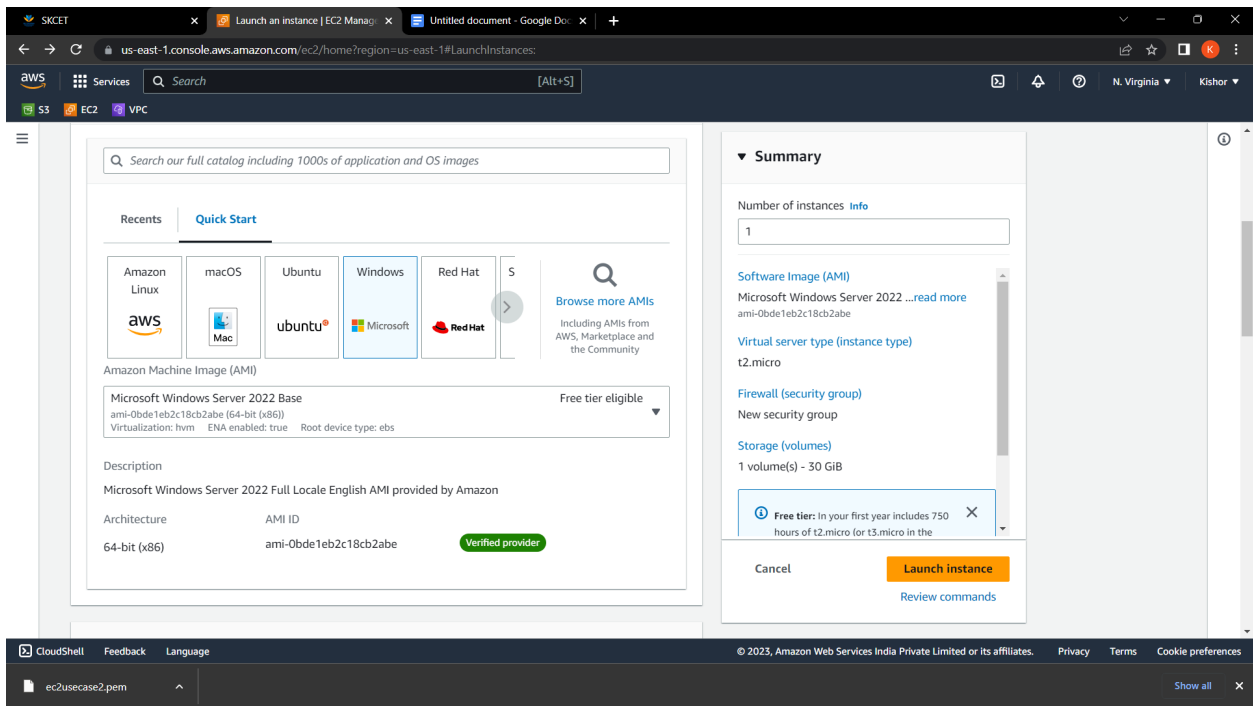
(8 Marks)





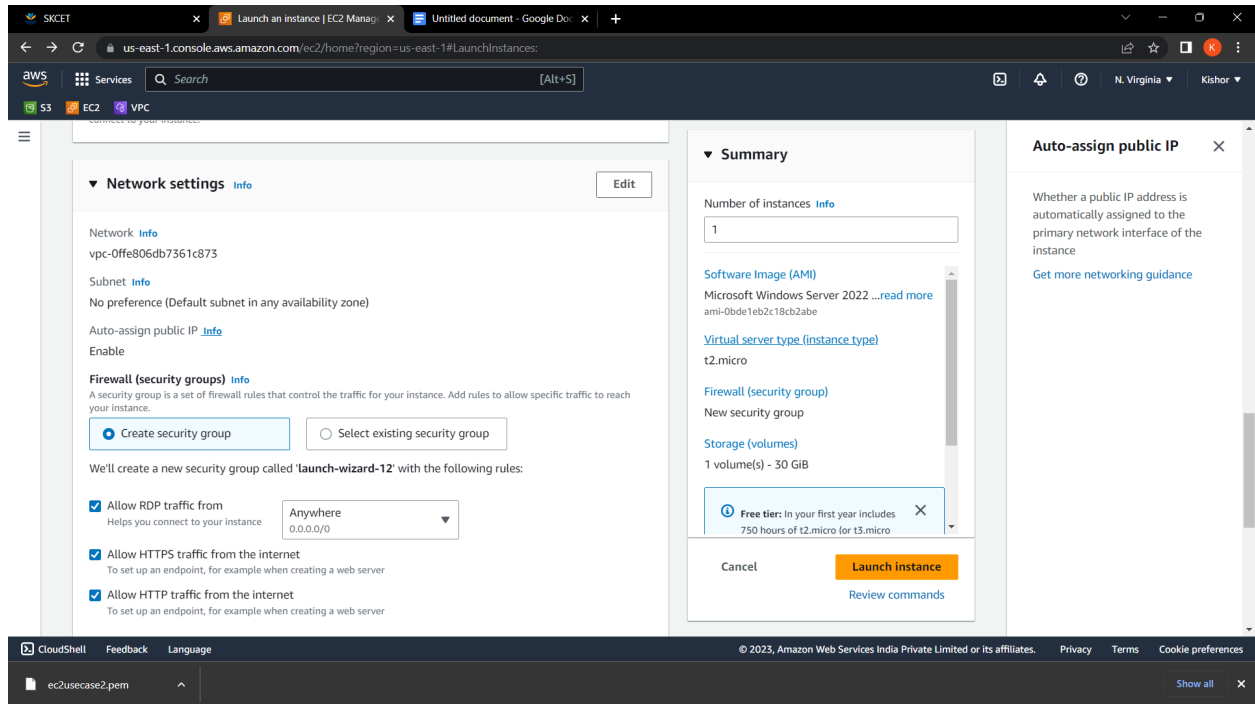
Select the AMI from the Windows OS Platform.

(7 Marks)



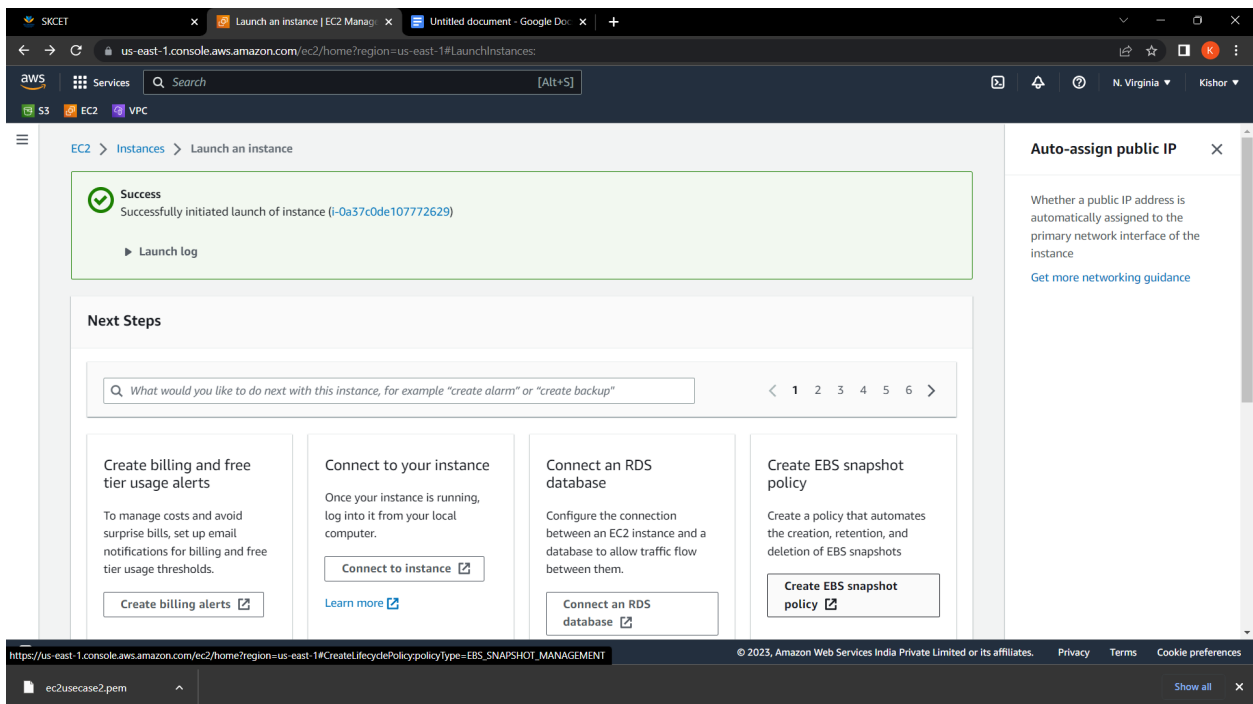
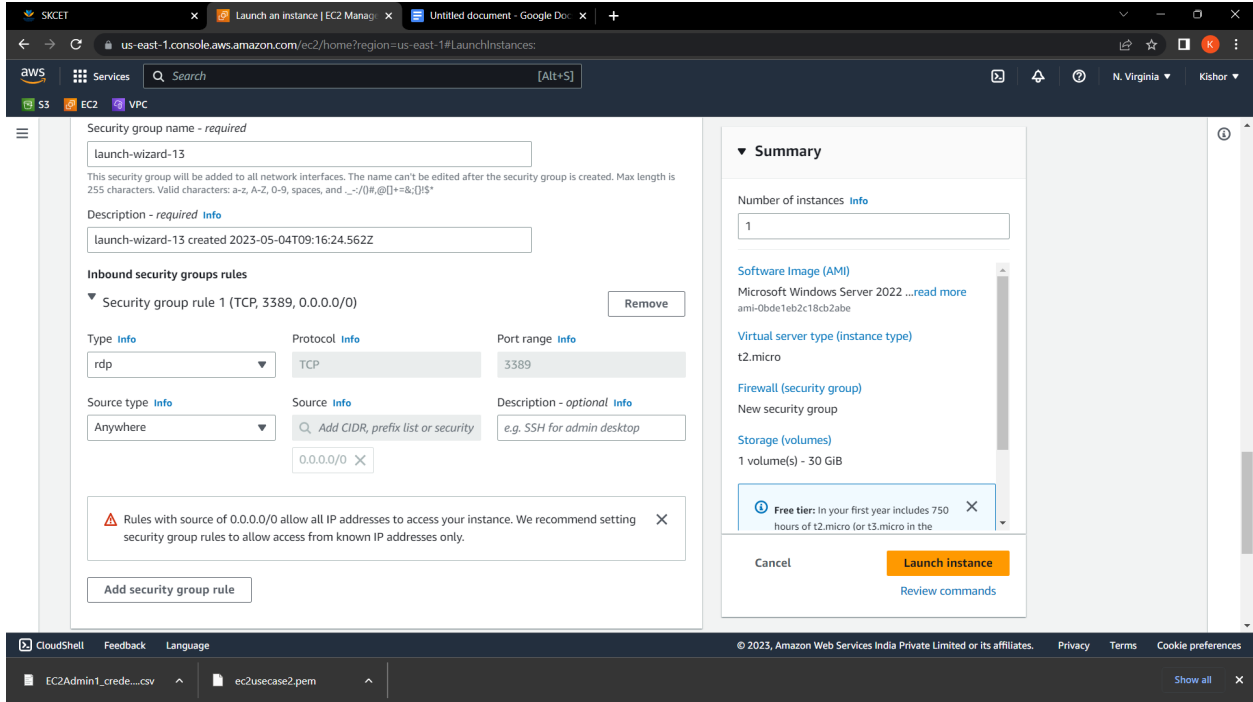
Ensure that Auto-Assigned Public-IP must be enabled.

(5 Marks)



Expose Port No.3389 for taking the remote desktop connection.

(5 Marks)



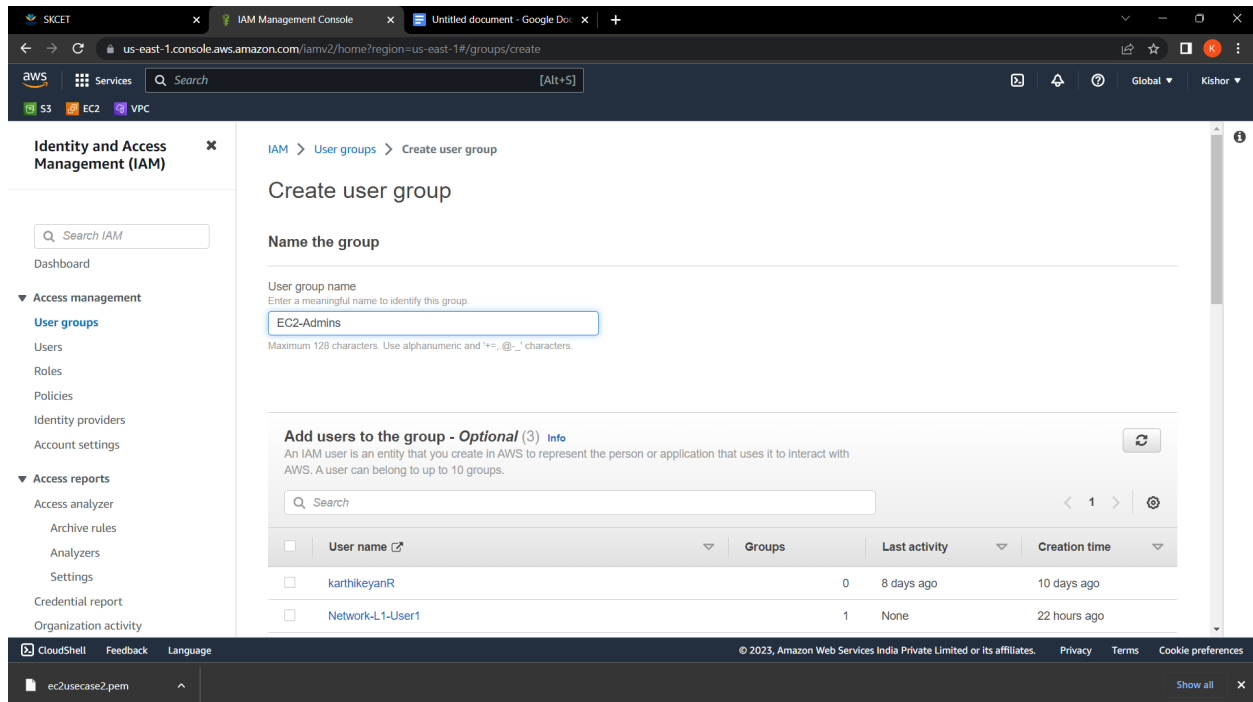


## Question.3

**Create an IAM group called ‘EC2-Admins’ with ‘AmazonEC2FullAccess’ and ‘AutoScalingFullAccess’ policies, then add an IAM user called as ‘EC2Admin1’.**

The name of the IAM group should be ‘EC2-Admins’.

**(8 Marks)**



The screenshot shows the AWS IAM console in the 'us-east-1' region. The left sidebar displays the 'Identity and Access Management (IAM)' menu with options like Dashboard, Access management, Access reports, and Organization activity. The main content area is titled 'Create user group' and includes a search bar for IAM. The 'Name the group' section has a text input field containing 'EC2-Admins'. Below this, the 'Add users to the group - Optional (3)' section features a search bar and a table of existing users.

	User name	Groups	Last activity	Creation time
<input type="checkbox"/>	karthikeyanR	0	8 days ago	10 days ago
<input type="checkbox"/>	Network-L1-User1	1	None	22 hours ago

The name of the IAM user should be ‘EC2Admin1’.

**(7 Marks)**

Screenshot of the AWS IAM console showing the details for the user **EC2Admin1**. The console displays the user's summary, including their ARN, console access status (Enabled without MFA), and last sign-in. The **Permissions** tab is selected, showing that the user has 3 permissions policies attached: **AmazonEC2FullAccess**, **AmazonEC2ReadOnlyAccess**, and **AmazonS3ReadOnlyAccess**. The **AmazonEC2FullAccess** policy is highlighted.

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

- User groups
- Users**
- Roles
- Policies
- Identity providers
- Account settings

Access reports

- Access analyzer
- Archive rules
- Analizers
- Settings
- Credential report
- Organization activity

EC2Admin1

Summary

ARN: `arn:aws:iam::324871465713:user/EC2Admin1`

Console access: **Enabled without MFA**

Access key 1: Not enabled

Access key 2: Not enabled

Created: May 04, 2023, 14:29 (UTC+05:30)

Last console sign-in: Never

Permissions policies (3)

Permissions are defined by policies attached to the user directly or through groups.

Find policies

Policy name	Type	Attached via
<input type="checkbox"/> <b>AmazonEC2FullAccess</b>	AWS managed	Group <b>EC2-Admins</b>
<input type="checkbox"/> <b>AmazonEC2ReadOnlyAccess</b>	AWS managed	
<input type="checkbox"/> <b>AmazonS3ReadOnlyAccess</b>	AWS managed	

The 'AmazonEC2FullAccess' policy should be attached.  
(5 Marks)

Screenshot of the AWS IAM console showing the details for the user group **EC2-Admins**. The console displays the group's summary, including its name, creation time, and ARN. The **Permissions** tab is selected, showing that the group has 2 permissions policies attached: **AmazonEC2FullAccess** and **AutoScalingFullAccess**. The **AmazonEC2FullAccess** policy is highlighted.

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

- User groups**
- Users
- Roles
- Policies
- Identity providers
- Account settings

Access reports

- Access analyzer
- Archive rules
- Analizers
- Settings
- Credential report
- Organization activity

EC2-Admins

Summary

User group name: EC2-Admins

Creation time: May 04, 2023, 14:28 (UTC+05:30)

ARN: `arn:aws:iam::324871465713:group/EC2-Admins`

Users | **Permissions** | Access Advisor

Permissions policies (2)

You can attach up to 10 managed policies.

Filter policies by property or policy name and press enter.

Policy name	Type	Description
<input type="checkbox"/> <b>AmazonEC2FullAccess</b>	AWS managed	Provides full access to Amazon EC2 vi...
<input type="checkbox"/> <b>AutoScalingFullAccess</b>	AWS managed	Provides full access to Auto Scaling.

The 'AutoScalingFullAccess' policy should be attached.

(5 Marks)

The screenshot displays the AWS IAM Management Console for the 'us-east-1' region. The left-hand navigation pane shows the 'Identity and Access Management (IAM)' section, with 'Access management' expanded to show 'User groups'. The main content area is titled 'Policies attached to this user group.' and shows the details for the 'EC2-Admins' user group. The 'Summary' tab is active, displaying the user group name 'EC2-Admins', its creation time 'May 04, 2023, 14:28 (UTC+05:30)', and its ARN 'arn:aws:iam::324871465713:group/EC2-Admins'. Below the summary, the 'Permissions' tab is selected, showing a list of two attached policies: 'AmazonEC2FullAccess' and 'AutoScalingFullAccess'. Both policies are AWS managed and provide full access to Amazon EC2 and Auto Scaling, respectively. The bottom of the screen shows a terminal window with two files: 'EC2Admin1\_creds.csv' and 'ec2usecase2.pem'.

us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/groups/details/EC2-Admins?section=permissions

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

User groups

Users

Roles

Policies

Identity providers

Account settings

Access reports

Access analyzer

Archive rules

Analyzers

Settings

Credential report

Organization activity

CloudShell

Feedback

Language

© 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

EC2Admin1\_creds.csv

ec2usecase2.pem

Show all

EC2-Admins

Delete

Edit

Summary

User group name: EC2-Admins

Creation time: May 04, 2023, 14:28 (UTC+05:30)

ARN: arn:aws:iam::324871465713:group/EC2-Admins

Users Permissions Access Advisor

Permissions policies (2) Info

You can attach up to 10 managed policies.

Filter policies by property or policy name and press enter.

	Policy name	Type	Description
<input type="checkbox"/>	AmazonEC2FullAccess	AWS managed	Provides full access to Amazon EC2 vl...
<input type="checkbox"/>	AutoScalingFullAccess	AWS managed	Provides full access to Auto Scaling.