

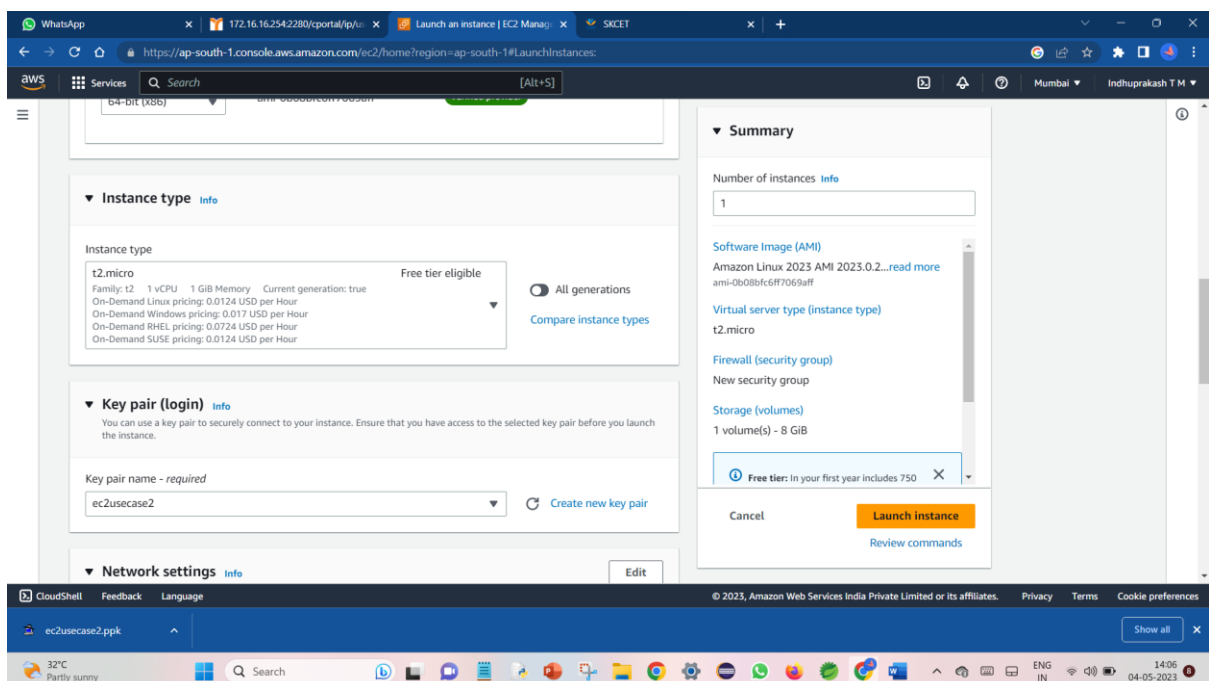
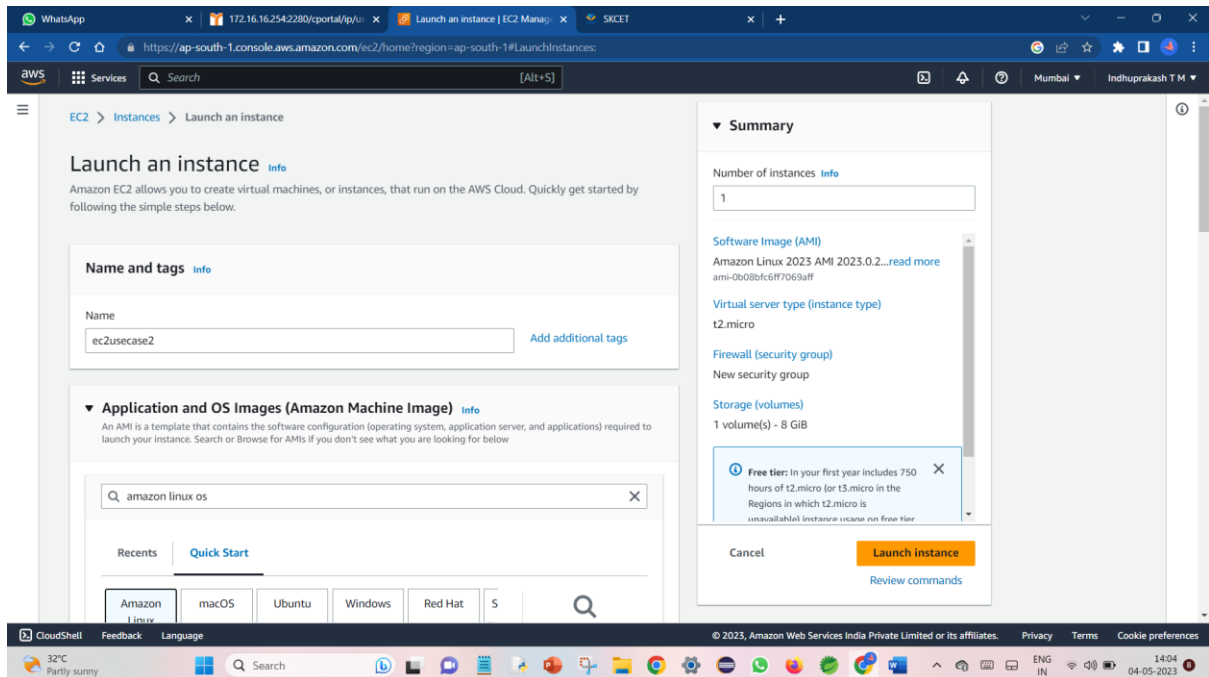
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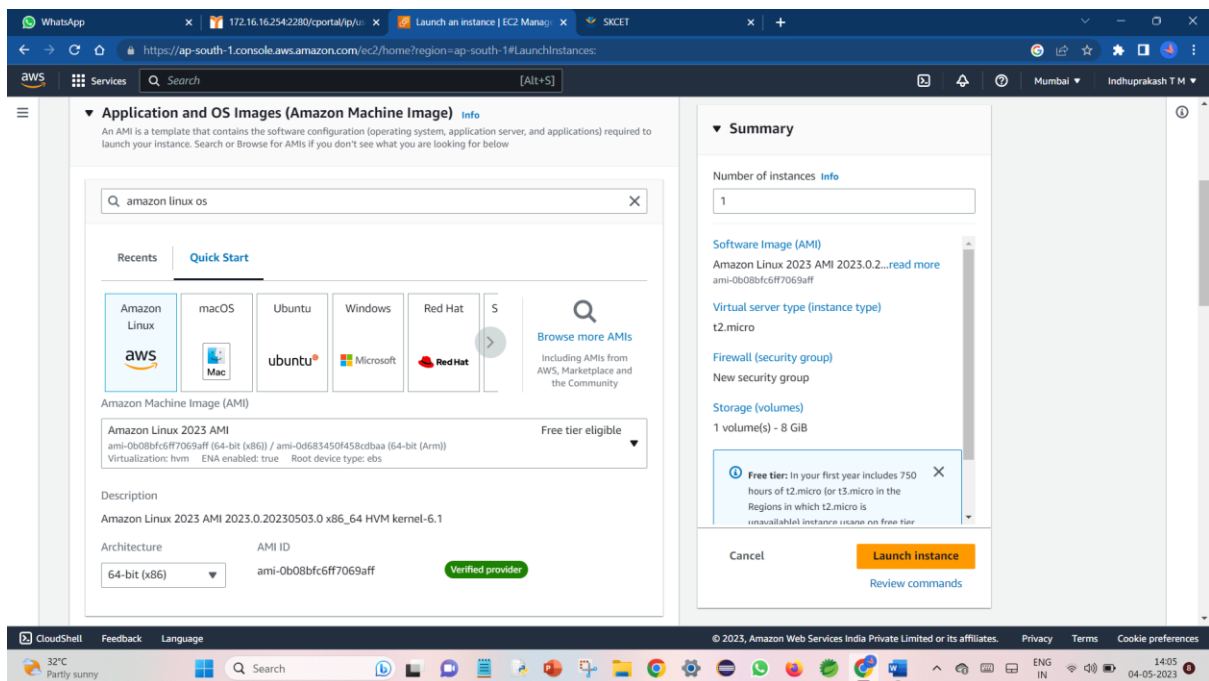
Amazon Web Services-CA1

1.

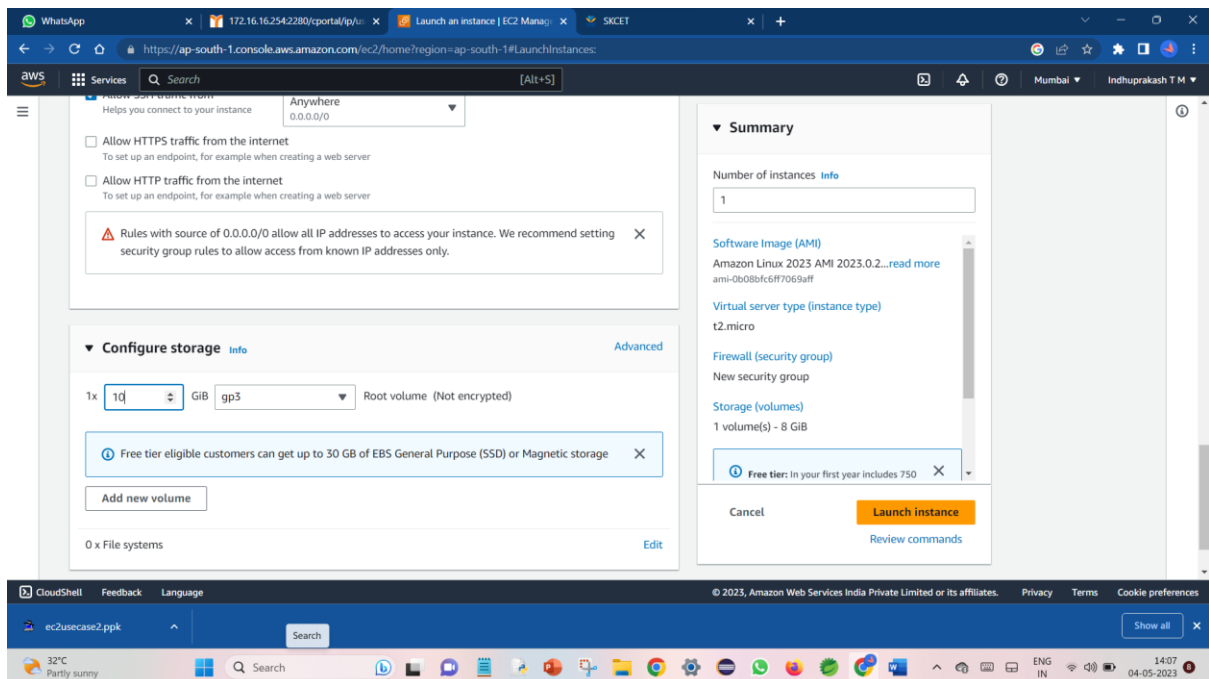
i)



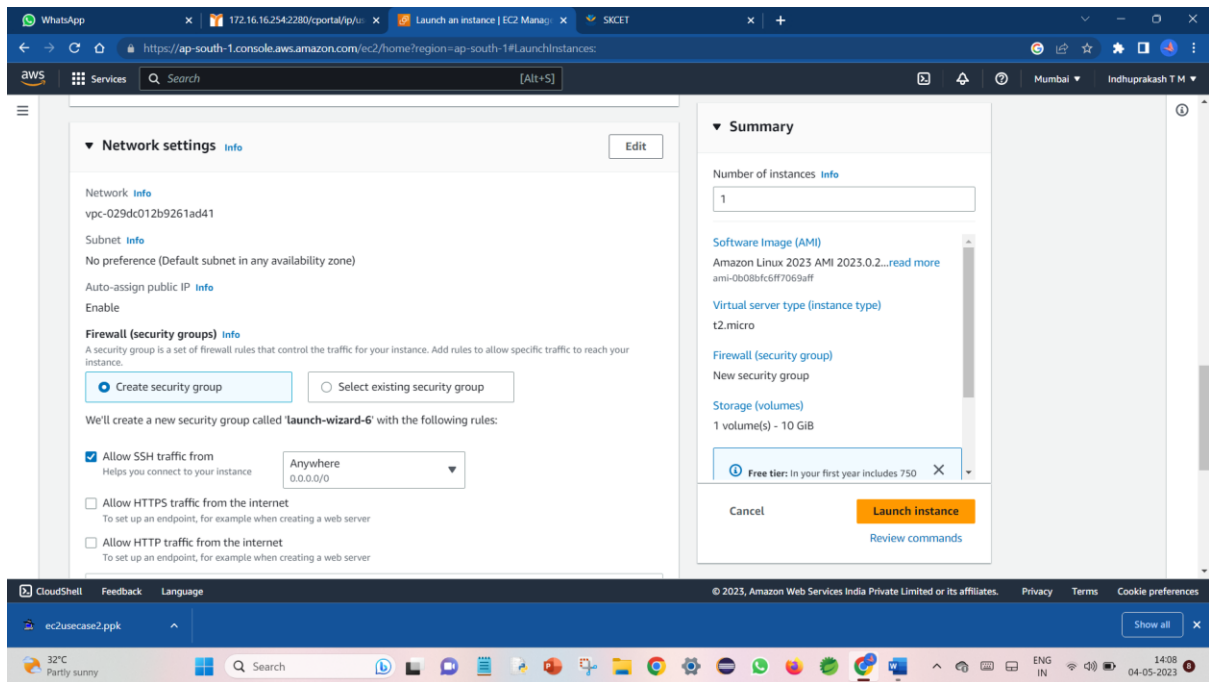
ii)



iii)

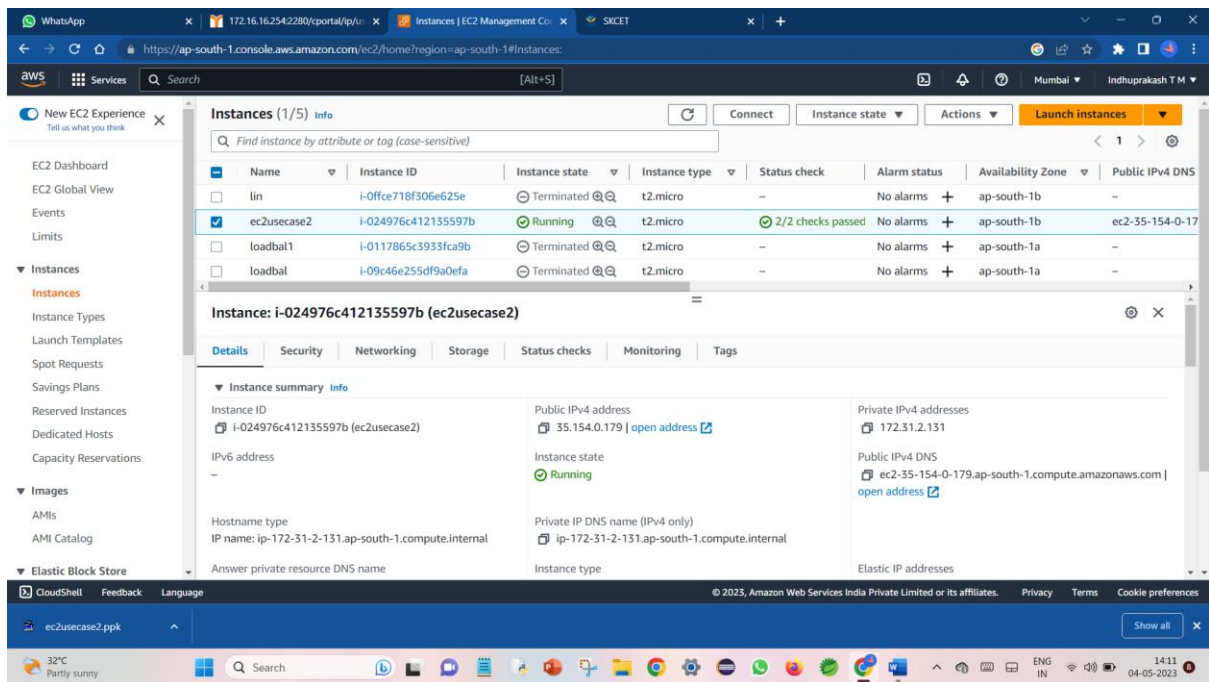


iv)



Final Result:-

EC2 instance created:-



2.

i)

Launch an instance [Info](#)

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags [Info](#)

Name
ec2usecase1 [Add additional tags](#)

Application and OS Images (Amazon Machine Image) [Info](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below.

[Recents](#) [Quick Start](#)

Summary

Number of instances [Info](#)
1

Software Image (AMI)
Amazon Linux 2023.0.2...[read more](#)
ami-0b0bfc6f7069aff

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

[Free tier](#): In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable). Instance cannot run from Hibernation.

[Cancel](#) [Launch instance](#) [Review commands](#)

Instance type [Info](#)

Instance type
t2.micro [Free tier eligible](#) [All generations](#) [Compare instance types](#)

Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Linux pricing: 0.0124 USD per Hour
On-Demand Windows pricing: 0.017 USD per Hour
On-Demand RHEL pricing: 0.0724 USD per Hour
On-Demand SUSE pricing: 0.0124 USD per Hour

Key pair (login) [Info](#)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required
ec2usecase1 [Create new key pair](#)

For Windows instances, you use a key pair to decrypt the administrator password. You then use the decrypted password to connect to your instance.

Network settings [Info](#) [Edit](#)

[Network](#) [Info](#)

Summary

Number of instances [Info](#)
1

Software Image (AMI)
Microsoft Windows Server 2022...[read more](#)
ami-06c2ec1ceac22e8d6

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 30 GiB

[Free tier](#): In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable). Instance cannot run from Hibernation.

[Cancel](#) [Launch instance](#) [Review commands](#)

ii)

Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below.

Search our full catalog including 1000s of application and OS images

Recents Quick Start

Amazon Linux macOS Ubuntu Windows Red Hat S

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Microsoft Windows Server 2022 Base

ami-06c2ec1ceac22e8d6 (64-bit x86)

Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible

Description

Microsoft Windows Server 2022 Full Locale English AMI provided by Amazon

Architecture AMI ID

Summary

Number of instances Info

1

Software Image (AMI)

Microsoft Windows Server 2022 ...read more

ami-06c2ec1ceac22e8d6

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 30 GiB

Free tier: In your first year includes 750

Cancel Launch instance

Review commands

iii)

Network settings Info

Network Info

vpc-029dc012b9261ad41

Subnet Info

No preference (Default subnet in any availability zone)

Auto-assign public IP Info

Enable

Firewall (security groups) Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group Select existing security group

We'll create a new security group called 'launch-wizard-7' with the following rules:

Allow RDP traffic from

Helps you connect to your instance

Anywhere

0.0.0.0/0

Allow HTTPS traffic from the internet

To set up an endpoint, for example when creating a web server

Allow HTTP traffic from the internet

To set up an endpoint, for example when creating a web server

Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

Summary

Number of instances Info

1

Software Image (AMI)

Microsoft Windows Server 2022 ...read more

ami-06c2ec1ceac22e8d6

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

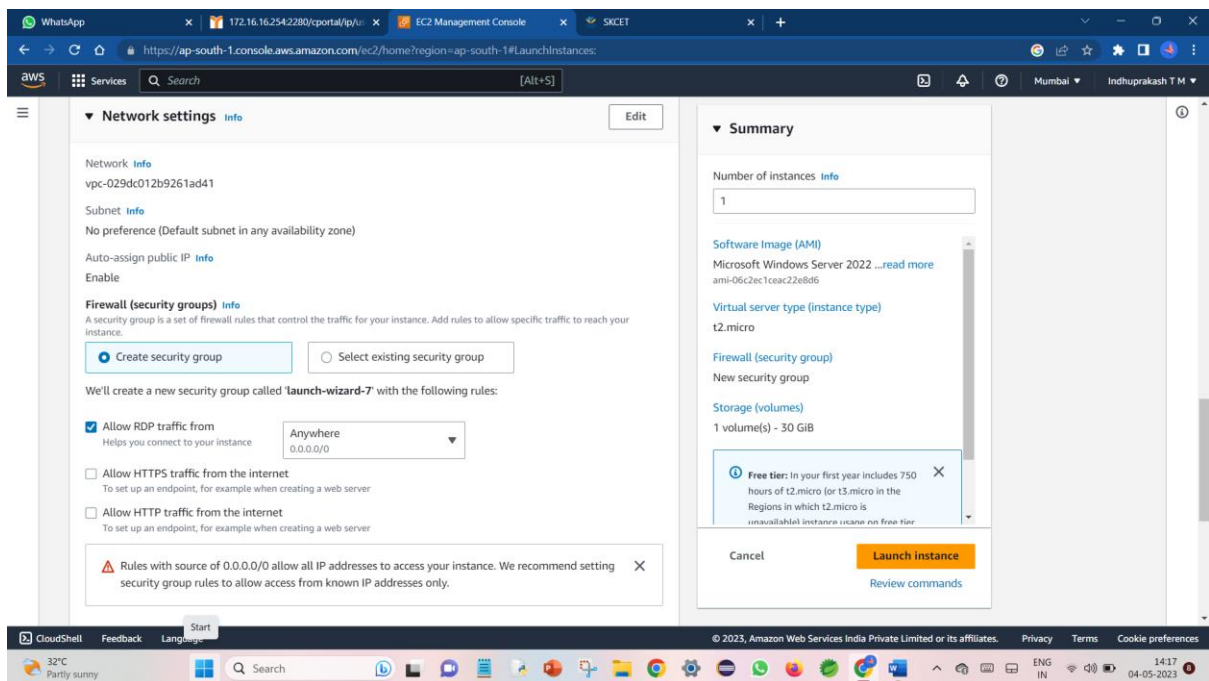
1 volume(s) - 30 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage not from tier

Cancel Launch instance

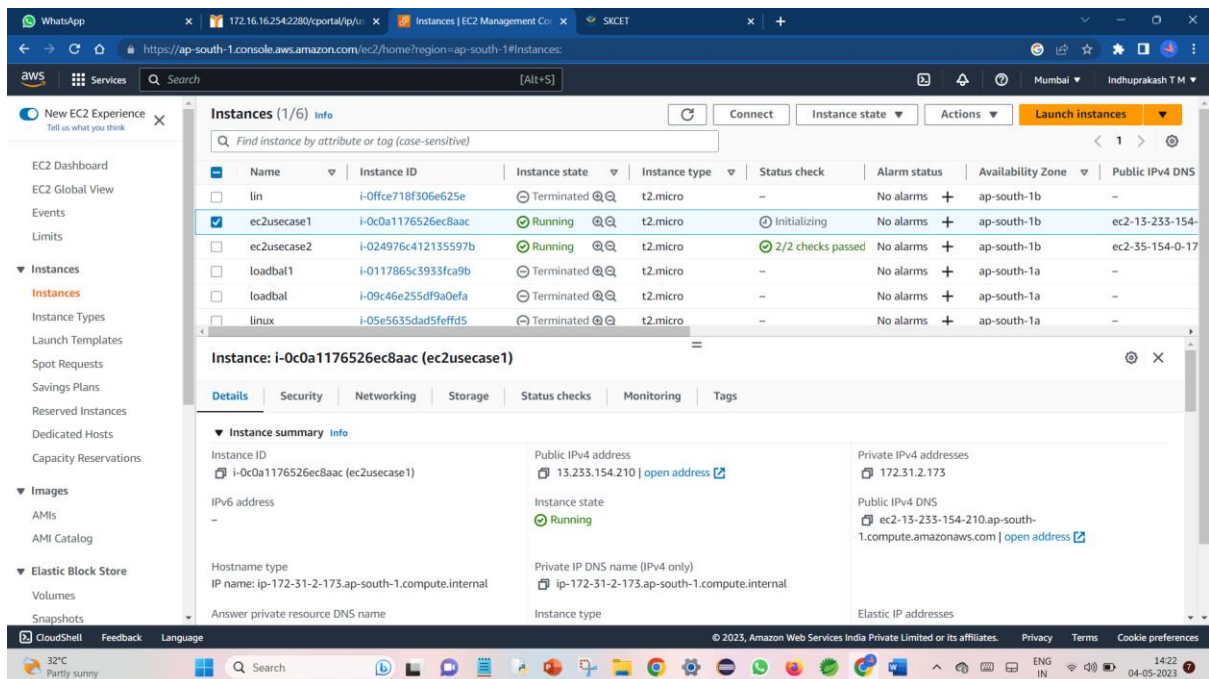
Review commands

iv)



Final Result:-

EC2 instance created:-



3

i)

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
- Service control policies (SCPs)

EC2-Admins user group created.

View group

IAM > User groups

User groups (1) Info

A user group is a collection of IAM users. Use groups to specify permissions for a collection of users.

Filter User groups by property or group name and press enter

Group name	Users	Permissions	Creation time
EC2-Admins	1	Defined	Now

ii)

Identity and Access Management (IAM)

Search IAM

Dashboard

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- Service control policies (SCPs)

User created successfully

You can view and download the user's password and email instructions for signing in to the AWS Management Console.

View user

IAM > Users

Users (1) Info

An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.

Find users by username or access key

User name	Groups	Last activity	MFA	Password age	Active key age
EC2Admin1	None	Never	None	None	-

WhatsApp | 172.16.16.254:2280/cportal/ip/... | IAM Management Console | SKCET

https://us-east-1.console.aws.amazon.com/iamv2/home?region=ap-south-1#/groups/create

Identity and Access Management (IAM)

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- Settings
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- Service control policies (SCPs)

Create user group

Name the group

User group name

Enter a meaningful name to identify this group.

EC2-Admins

Maximum 128 characters. Use alphanumeric and '+', '@', '_' characters.

Add users to the group - Optional (Selected 1/1) Info

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS. A user can belong to up to 10 groups.

Search

<input checked="" type="checkbox"/>	User name	Groups	Last activity	Creation time
<input checked="" type="checkbox"/>	EC2Admin1	0	None	1 minute ago

CloudShell | Feedback | Language

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32°C Partly sunny

Search

ENG IN 14:25 04-05-2023

iii)

(1) WhatsApp | 172.16.16.254:2280/cportal/ip/... | IAM Management Console | SKCET

https://us-east-1.console.aws.amazon.com/iamv2/home?region=ap-south-1#/groups/create

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

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- Users
- Roles
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Access reports

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- Service control policies (SCPs)

Add users to the group - Optional (Selected 1/1) Info

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS. A user can belong to up to 10 groups.

Search

<input checked="" type="checkbox"/>	User name	Groups	Last activity	Creation time
<input checked="" type="checkbox"/>	EC2Admin1	0	None	2 minutes ago

Attach permissions policies - Optional (Selected 1/843) Info

You can attach up to 10 policies to this user group. All the users in this group will have permissions that are defined in the selected policies.

Filter policies by property or policy name and press enter. 1 match

"AmazonEC2FullAccess" X Clear filters

<input checked="" type="checkbox"/>	Policy name	Type	Description
<input checked="" type="checkbox"/>	AmazonEC2FullAccess	AWS managed	Provides full access to Amazon EC2 via the AWS Management ...

Cancel Create group

CloudShell | Feedback | Language

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32°C Partly sunny

Search

ENG IN 14:26 04-05-2023

iv)

The screenshot displays the AWS IAM console interface for creating a new user group. The browser window shows the URL `https://us-east-1.console.aws.amazon.com/iamv2/home?region=ap-south-1#/groups/create`. The left-hand navigation pane is titled "Identity and Access Management (IAM)" and includes sections for "Access management" (User groups, Users, Roles, Policies, Identity providers, Account settings) and "Access reports" (Access analyzer, Archive rules, Analyzers, Settings, Credential report, Organization activity, Service control policies (SCPs)).

The main content area is divided into two sections:

- Add users to the group - Optional (Selected 1/1)**: This section allows adding existing IAM users to the group. A search bar is present. Below it, a table lists the selected user:

<input checked="" type="checkbox"/>	User name	Groups	Last activity	Creation time
<input checked="" type="checkbox"/>	EC2Admin1	0	None	2 minutes ago
- Attach permissions policies - Optional (Selected 2/843)**: This section allows attaching permissions policies to the group. A search bar is present. Below it, a table lists the selected policy:

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

At the bottom right of the main content area, there are "Cancel" and "Create group" buttons.

The bottom of the image shows the Windows taskbar with the date and time set to 14:27 on 04-05-2023, and the system tray showing a temperature of 32°C and "Partly sunny" weather.