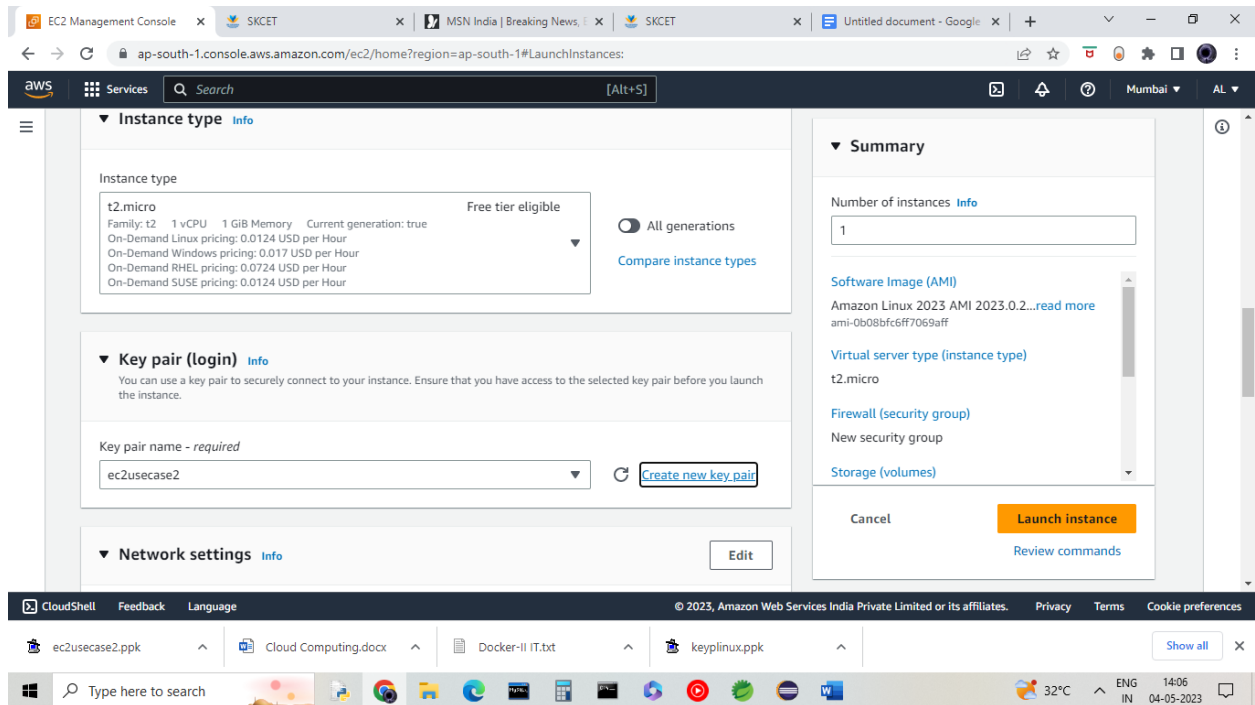


Rollno:727721EUIT005  
Name:Aishwarya Lakshmi

1)



EC2 Management Console x SKCET x MSN India | Breaking News, x SKCET x Untitled document - Google x

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LaunchInstances:

aws Services Search [Alt+S] Mumbai AL

EC2 > Instances > Launch an instance

**Success**  
Successfully initiated launch of instance (i-04429c9ebee56a4f5)  
▶ Launch log

**Next Steps**

What would you like to do next with this instance, for example "create alarm" or "create backup"

1 2 3 4 5 6 >

**Create billing and free tier usage alerts**  
To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage.

**Connect to your instance**  
Once your instance is running, log into it from your local computer.

**Connect an RDS database**  
Configure the connection between an EC2 instance and a database to allow traffic flow between them.

**Create EBS snapshot policy**  
Create a policy that automates the creation, retention, and deletion of EBS snapshots

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Images | EC2 Management C x SKCET x MSN India | Breaking News, x SKCET x Untitled document - Google x + - - - - -

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#images:visibility=owned-by-me

aws Services Search [Alt+S] Mumbai AL

Instance Types  
Launch Templates  
Spot Requests  
Savings Plans  
Reserved Instances  
Dedicated Hosts  
Capacity Reservations

Images  
AMIs  
AMI Catalog

Elastic Block Store  
Volumes  
Snapshots  
Lifecycle Manager

Network & Security  
Security Groups  
Elastic IPs

CloudShell Feedback Language

Amazon Machine Images (AMIs) (1/1) Info

Recycle Bin EC2 Image Builder Actions Launch instance from AMI

Owned by me Find AMI by attribute or tag

| Name | AMI ID                | AMI name     | Source                    | Owner        |
|------|-----------------------|--------------|---------------------------|--------------|
| -    | ami-0ccf641584ad288ee | ec2userimage | 188833863881/ec2userimage | 188833863881 |

AMI ID: ami-0ccf641584ad288ee

Details Permissions Storage Tags

| AMI ID                | Image type | Platform details | Root device type |
|-----------------------|------------|------------------|------------------|
| ami-0ccf641584ad288ee | machine    | Linux/UNIX       | EBS              |

| AMI name     | Owner account ID | Architecture | Usage operation |
|--------------|------------------|--------------|-----------------|
| ec2userimage | 188833863881     | x86_64       | RunInstances    |

| Root device name | Status  | Source                    | Virtualization type |
|------------------|---------|---------------------------|---------------------|
| /dev/sda         | Pending | 188833863881/ec2userimage | hvm                 |

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Volumes | EC2 Management x SKCET x MSN India | Breaking News, x SKCET x Untitled document - Google x + - - - - -

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#volumes:

aws Services Search [Alt+S] Mumbai AL

New EC2 Experience Tell us what you think

EC2 Dashboard  
EC2 Global View  
Events  
Limits

Instances  
Instances  
Instance Types  
Launch Templates  
Spot Requests  
Savings Plans  
Reserved Instances  
Dedicated Hosts  
Capacity Reservations

Images

CloudShell Feedback Language

Successfully attached volume vol-0398ac7e17ae98685 to instance i-04429c9ebee56a4f5.

Volumes (1/2)

Search

| Name | Volume ID             | Type | Size   | IOPS | Throughput | Snapshot        | Created    |
|------|-----------------------|------|--------|------|------------|-----------------|------------|
| -    | vol-0cc86974a9c2c5201 | gp3  | 8 GiB  | 3000 | 125        | snap-0e04d20... | 2023/05/04 |
| -    | vol-0398ac7e17ae98685 | gp2  | 10 GiB | 100  | -          | -               | 2023/05/04 |

Volume ID: vol-0398ac7e17ae98685

Details Status checks Monitoring Tags

| Volume ID             | Size   | Type | Volume status |
|-----------------------|--------|------|---------------|
| vol-0398ac7e17ae98685 | 10 GiB | gp2  | Okay          |

| AWS Compute Optimizer finding                                     | Volume state | IOPS | Throughput |
|---|--------------|------|------------|
| Opt-in to AWS Compute Optimizer for recommendations.   Learn more | In-use       | 100  | -          |

Encryption KMS key ID KMS key alias KMS key ARN

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EC2 Management Console

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#ModifyInboundSecurityGroupRules:securityGroupId=sg-0acd5871b91d8637d

### Edit inbound rules

Inbound rules control the incoming traffic that's allowed to reach the instance.

| Security group rule ID | Type | Protocol | Port range | Source | Description - optional |        |
|------------------------|------|----------|------------|--------|------------------------|--------|
| sg-0dc50eb79dba9eda3   | SSH  | TCP      | 22         | Custom |                        | Delete |

0.0.0.0/0

Add rule

Cancel Preview changes Save rules

2)

Launch an instance | EC2 Ma

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LaunchInstances:

### Launch instance

Network

vpc-0d3c6dae4105fbb2

Subnet

No preference (Default subnet in any availability zone)

Auto-assign public IP

Enable

Firewall (security groups)

Create security group Select existing security group

We'll create a new security group called 'launch-wizard-14' with the following rules:

☒ Allow RDP traffic from

Helps you connect to your instance

Anywhere

☐ 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

#### Summary

Number of instances

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)

Cancel Launch instance Review commands

Instances | EC2 Management x SKCET x MSN India | Breaking News, x SKCET x Untitled document - Google x +

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#instances:

aws Services Search [Alt+S] Mumbai AL

New EC2 Experience Tell us what you think

EC2 Dashboard  
EC2 Global View  
Events  
Limits

Instances  
Instances  
Instance Types  
Launch Templates  
Spot Requests  
Savings Plans  
Reserved Instances  
Dedicated Hosts  
Capacity Reservations

Images

Instances (1/6) Info

Find instance by attribute or tag (case-sensitive)

| Name        | Instance ID         | Instance state | Instance type | Status check      | Alarm status | Availability Zone |
|-------------|---------------------|----------------|---------------|-------------------|--------------|-------------------|
| myealca     | i-09203a2579750a94f | Terminated     | t2.micro      | -                 | No alarms    | ap-south-1b       |
| ec2usecase2 | i-04429c9ebee56a4f5 | Running        | t2.micro      | 2/2 checks passed | No alarms    | ap-south-1b       |
| ec2usecase1 | i-0dfa075a8f9eb170b | Running        | t2.micro      | Initializing      | No alarms    | ap-south-1b       |

Instance: i-0dfa075a8f9eb170b (ec2usecase1)

Details Security Networking Storage Status checks Monitoring Tags

Instance summary Info

Instance details Info

|                  |  |                        |
|------------------|--|------------------------|
| Platform         | AMI ID                                 | Monitoring             |
| Windows          | ami-06c2ec1ceac22e8d6                  | disabled               |
| Platform details | AMI name                               | Termination protection |
| Windows          | Windows_Server-2022-English-Full-Base- | Disabled               |

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ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#ModifyInboundSecurityGroupRules:securityGroupId=sg-053d4b313d93e4203

aws Services Search [Alt+S] Mumbai AL

EC2 > Security Groups > sg-053d4b313d93e4203 - launch-wizard-14 > Edit inbound rules

### Edit inbound rules Info

Inbound rules control the incoming traffic that's allowed to reach the instance.

Inbound rules

| Security group rule ID | Type | Protocol | Port range | Source           | Description - optional |
|------------------------|------|----------|------------|------------------|------------------------|
| sg-r0dcbb1996a8f827ec  | RDP  | TCP      | 3389       | Custom 0.0.0.0/0 |                        |

Add rule

Cancel Preview changes Save rules

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3)

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

User groups

Users

Roles

Policies

Identity providers

Account settings

Access reports

Access analyzer

Archive rules

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.

16 matches

< 1 >

⚙

"AmazonEC2"

Clear filters

|                                     | Policy name                         | Type        | Description            |
|-------------------------------------|-------------------------------------|-------------|------------------------|
| <input checked="" type="checkbox"/> | AmazonEC2FullAccess                 | AWS managed | Provides full access   |
| <input type="checkbox"/>            | AmazonEC2ReadOnlyAccess             | AWS managed | Provides read only a   |
| <input type="checkbox"/>            | AmazonEC2RoleforDataPipelineRole    | AWS managed | Default policy for the |
| <input type="checkbox"/>            | AmazonEC2ContainerServiceforEC2Role | AWS managed | Default policy for the |

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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

User groups

Users

Roles

Policies

Identity providers

Account settings

Access reports

Access analyzer

Archive rules

Attach permissions policies - *Optional* (Selected 2/843)

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.

7 matches

< 1 >

⚙

"AutoScaling"

Clear filters

|                                     | Policy name                                    | Type        | Description            |
|-------------------------------------|--|-------------|------------------------|
| <input type="checkbox"/>            | AutoScalingNotificationAccessRole              | AWS managed | Default policy for the |
| <input type="checkbox"/>            | AmazonElasticMapReduceforAutoScalingRole       | AWS managed | Amazon Elastic Map     |
| <input checked="" type="checkbox"/> | AutoScalingFullAccess                          | AWS managed | Provides full access   |
| <input type="checkbox"/>            | AutoScalingReadOnlyAccess                      | AWS managed | Provides read-only a   |
| <input type="checkbox"/>            | AutoScalingConsoleFullAccess                   | AWS managed | Provides full access   |
| <input type="checkbox"/>            | AutoScalingConsoleReadOnlyAccess               | AWS managed | Provides read-only a   |
| <input type="checkbox"/>            | ApplicationAutoScalingForAmazonAppStreamAccess | AWS managed | Policy to enable App   |

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IAM Management Console

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

aws

Services

Search

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Global

AL

Identity and Access Management (IAM)

Search IAM

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User groups

Users

Roles

Policies

Identity providers

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Access analyzer

Archive rules

EC2-Admins user group created.

View group

IAM > User groups

User groups (Selected 1/3) 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

Loading

Defined

Now

☐

Network-L1-Team

Loading

Loading

22 hours ago

☐

S3-Admins

Loading

Loading

8 days ago

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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

User created successfully

View user

IAM > Users

Users (Selected 1/2) 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 a...

Active

☒

EC2Admin1

EC2-Admins

Never

None

None

-

☐

S3Admin1

None

7 days ago

None

7 days ago

-

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