

CIA 1

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Question 1:

The screenshot displays the AWS Management Console interface for an EC2 instance. The main content area shows the 'Instance summary' for instance ID `i-0c3c726a0a511970b` (named `ec2usecase2`). The instance is currently in the **Running** state. Key details include:

- Instance ID:** `i-0c3c726a0a511970b` (ec2usecase2)
- Public IPv4 address:** `13.233.30.3` (with a link to `open address`)
- Private IPv4 address:** `172.31.3.21`
- Instance state:** **Running** (indicated by a green checkmark)
- Hostname type:** IP name: `ip-172-31-3-21.ap-south-1.compute.internal`
- Answer private resource DNS name:** IPv4 (A)
- Auto-assigned IP address:** `13.233.30.3` [Public IP]
- IAM Role:** (empty)
- Instance type:** `t2.micro`
- VPC ID:** `vpc-08a78ef64ff6fc91e` (with a link to `open address`)
- Subnet ID:** `subnet-0aed8f8e89e269f0c` (with a link to `open address`)
- Elastic IP addresses:** (empty)
- AWS Compute Optimizer finding:** Opt-in to AWS Compute Optimizer for recommendations. (with a link to `Learn more`)
- Auto Scaling Group name:** (empty)

The left sidebar shows navigation options under 'Instances' and 'Images'. The top navigation bar includes the AWS logo, search bar, and user profile information (Mumbai, K DHARUNI).

Instance details | EC2 Management console

New Tab

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#InstanceDetails:instanceId=i-0c3c726a0a511970b

aws

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Mumbai

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Question 2:

The screenshot displays the AWS Management Console interface for launching a new EC2 instance. The browser address bar shows the URL: `ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LaunchInstances:`. The console header includes the AWS logo, a search bar, and the user's name 'K DHARUNI'.

The main content area is divided into two columns. The left column contains the 'Name and tags' section with a text input field labeled 'Name' containing the value 'ec2usecase1'. Below this is the 'Application and OS Images (Amazon Machine Image)' section, which includes a search bar and a 'Quick Start' section with buttons for Amazon Linux, macOS, Ubuntu, Windows (selected), and Red Hat. The right column contains the 'Summary' section, which lists the following configuration details:

- 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): 1 volume(s) - 20 GiB

At the bottom of the Summary section are two buttons: 'Cancel' and 'Launch instance' (highlighted in orange). A link for 'Review commands' is also present.

The footer of the console shows 'CloudShell', 'Feedback', 'Language', and copyright information: '© 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences'.

EC2 Management Console

New Tab

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

aws

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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

vpc-08a78ef64ff6fc91e

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.

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) 20 GiB

Cancel

Launch instance

Review commands

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

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Tell us what you think

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Instances (3)

Info

Refresh

Connect

Instance state

Actions

Launch instances

Find instance by attribute or tag (case-sensitive)

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	instance1	i-0a2e2a16c21d9431d	Terminated	t2.micro	–	No alarms	ap-south-1
<input type="checkbox"/>	ec2usecase2	i-0c3c726a0a511970b	Terminated	t2.micro	–	No alarms	ap-south-1
<input type="checkbox"/>	ec2usecase1	i-02acdbdb3166f9401	Running	t2.micro	–	No alarms	ap-south-1

Select an instance

Instance details | EC2 Management Console | New Tab

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#InstanceDetails:instanceId=i-02acdbdb3166f9401

aws Services Search [Alt+S]

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▼ Security details

IAM Role: -

Owner ID: 669776069157

Launch time: Thu May 04 2023 14:20:36 GMT+0530 (India Standard Time)

Security groups: sg-0d510bb28a3a71c5c (launch-wizard-9)

▼ Inbound rules

Filter rules

Name	Security group rule ID	Port range	Protocol	Source
-	sgr-04dd5c8491fcb357d	3389	TCP	0.0.0.0/0

▼ Outbound rules

Filter rules

Name	Security group rule ID	Port range	Protocol	Destination
-	sgr-000e6e28fe95bb4ee	All	All	0.0.0.0/0

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Question 3:

IAM Management Console | New Tab

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

aws Services Search [Alt+S]

Global K DHARUNI

Identity and Access Management (IAM)

Search IAM

Dashboard

▼ Access management

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Archive rules

IAM > User groups > Create user group

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 (0) Info

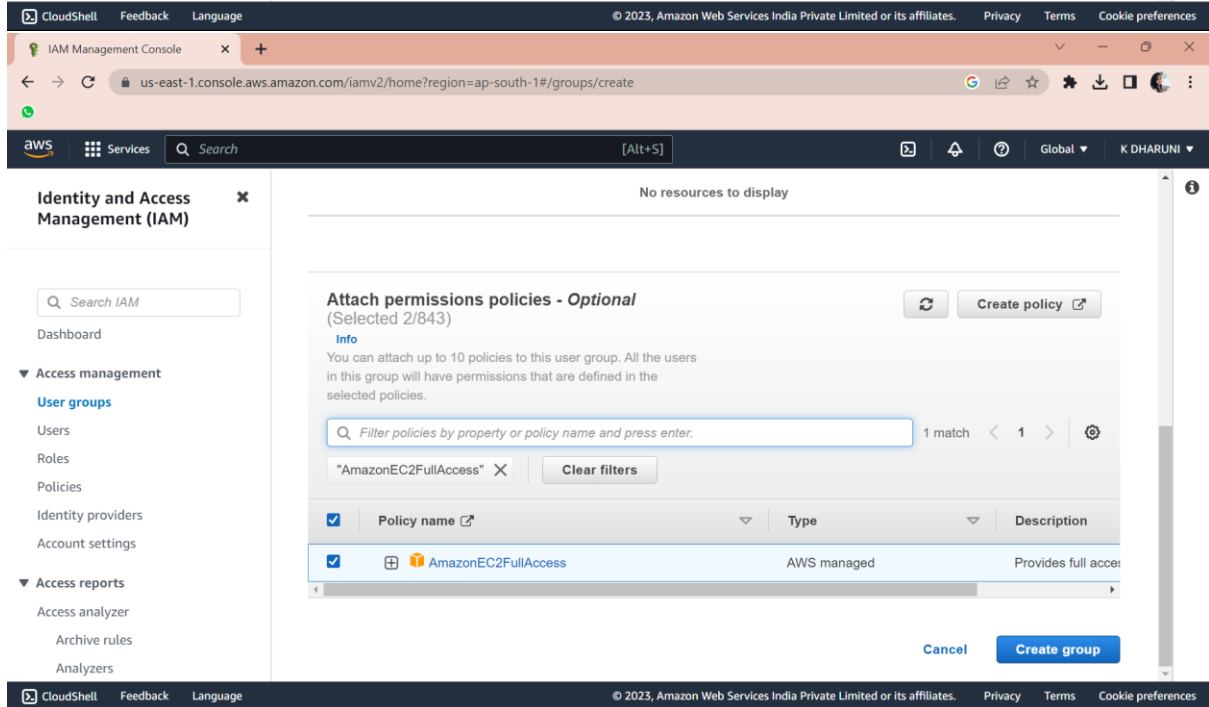
An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS. A user can belong to up to 10 groups.

Search

User name Groups Last activity Creation time

31°C Mostly sunny

ENG IN 14:03 04-05-2023



IAM Management Console

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

aws Services Search [Alt+S]

Identity and Access Management (IAM)

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Analyzers

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
<input type="checkbox"/>	EC2-Admins	Loading	Defined	Now

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IAM Management Console

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

aws Services Search [Alt+S]

IAM > Users > Create user

Step 1 Specify user details

Step 2 Set permissions

Step 3 Review and create

Step 4 Retrieve password

Specify user details

User details

User name

EC2Admin1

The user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, and + = , . @ _ - (hyphen)

☒ Provide user access to the AWS Management Console - optional

If you're providing console access to a person, it's a [best practice](#) to manage their access in IAM Identity Center.

Are you providing console access to a person?

☐ Specify a user in Identity Center - Recommended

We recommend that you use Identity Center to provide console access to a person. With Identity Center, you can centrally manage user access to their AWS accounts and cloud applications.

☒ I want to create an IAM user

We recommend that you create IAM users only if you need to enable programmatic access through access keys, service-specific credentials for AWS CodeCommit or Amazon Keyspaces, or a backup credential for emergency account access.

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IAM Management Console

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↻

us-east-1.console.aws.amazon.com/iamv2/home?region=ap-south-1#/users/details/EC2Admin1?section=permissions

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Identity and Access Management (IAM)

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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 > EC2Admin1

EC2Admin1

Delete

Summary

ARN arn:aws:iam::669776069157:user/EC2Admin1	Console access Enabled without MFA	Access key 1 Not enabled
Created May 04, 2023, 14:08 (UTC+05:30)	Last console sign-in Never	Access key 2 Not enabled

Permissions

Groups

Tags

Security credentials

Access Advisor

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