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ROLL NO: 19BCE120

SUBJECT CLOUD COMPUTING

PRACTICAL: 4

The image is a screenshot of a computer screen displaying two different web pages. The top portion shows a web browser with a portfolio page for 'Smith Bhojak'. The page has a teal background and features a photo of a man with his arms crossed. The text on the page describes him as a 'Design minded, Fast Learner & keen to explore new horizons. A Passionate Designer, who believes "Great User Experience should be invisible"'. It also mentions his love for fast-paced environments and includes a 'View portfolio' link. The bottom portion of the screenshot shows the AWS Management Console 'Create image' page. This page is for creating an Amazon Machine Image (AMI) from an existing EC2 instance. It displays the 'Instance ID' as 'i-04292bd76071eb514'. There are input fields for 'Image name' and 'Image description'. Below these, there are checkboxes for 'No reboot' (selected) and 'Enable' (unchecked). At the bottom, there is a table for 'Instance volumes' with columns for 'Volume type', 'Device', 'Snapshot', 'Size', 'Volume type', 'IOPS', 'Throughput', 'Delete on termination', and 'Encrypted'. The table shows a single volume of type 'EBS' with a size of '8' and 'Delete on termination' set to 'Enable'. The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 03:02 PM on 07-03-2022.

ABOUT PORTFOLIO CONTACT

**Smith Bhojak**

Design minded , Fast Learner & keen to explore new horizons. A Passionate Designer, who believes "Great User Experience should be invisible"

Love working in fast paced environments and engaging in challenging exercises that force me to get out of my comfort zone

[View portfolio →](#)

EC2 > Instances > i-04292bd76071eb514 > Create image

**Create image** Info

An image (also referred to as an AMI) defines the programs and settings that are applied when you launch an EC2 instance. You can create an image from the configuration of an existing instance.

Instance ID  
i-04292bd76071eb514

Image name

Image description - optional

Maximum 255 characters

☒ No reboot  
☐ Enable

Instance volumes

Volume type	Device	Snapshot	Size	Volume type	IOPS	Throughput	Delete on termination	Encrypted
EBS	/dev/x...	Create new snapshot fr...	8	EBS General Purpose SS...	100		<input checked="" type="checkbox"/> Enable	<input type="checkbox"/> Enable

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Instances | EC2 Management Console

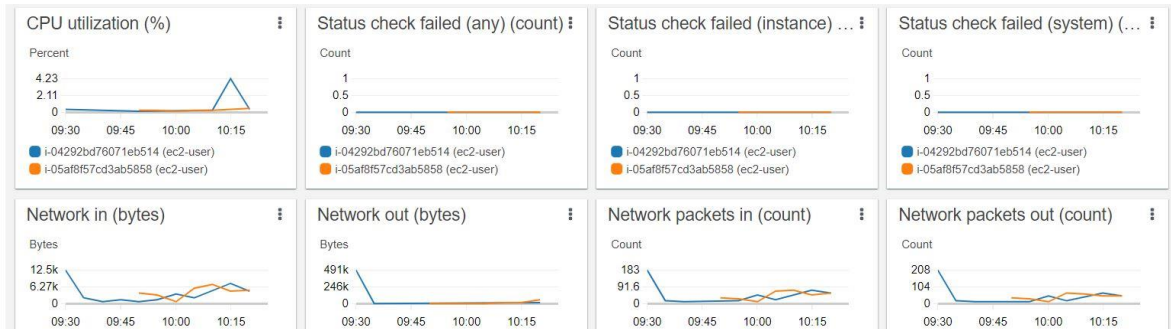
Successfully created ami-0ff4406Secf8c59de from instance i-04292bd76071eb514.

Instances (1) Info

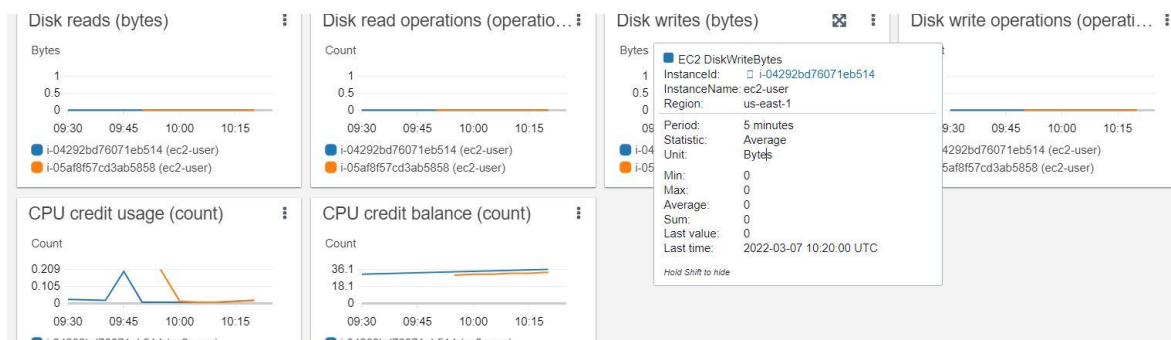
Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
ec2-user	i-04292bd76071eb514	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a	ec2-3-82-107-18

Select an instance

Instances: i-04292bd76071eb514 (ec2-user), i-05af8f57cd3ab5858 (ec2-user)



Instances: i-04292bd76071eb514 (ec2-user), i-05af8f57cd3ab5858 (ec2-user)



Images | EC2 Management Console

console.aws.amazon.com/ec2/v2/home?region=us-east-1#images:visibility=owned-by-me

Amazon Machine Images (AMIs) (1) Info

Owned by me Search

Name	AMI ID	AMI name	Source	Owner	Visibility
-	ami-0ff44065ecf8c59de	original-instance-copy	962981917005/original-instance-copy	962981917005	Private

Select an AMI

AMI ID: ami-0ff44065ecf8c59de

/dev/xvda Available 962981917005/original-instance-copy hvm

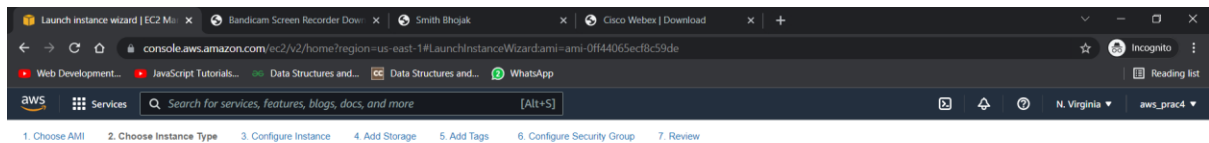
Boot mode State reason Creation date Kernel ID

- - Mon Mar 07 2022 15:10:29 GMT+0530 (India Standard Time) -

Block devices Description Product codes RAM disk ID

/dev/xvda=snap-02d633244b0a23c7a8:true:gp2 - -

Deletion time



## Step 2: Choose an Instance Type

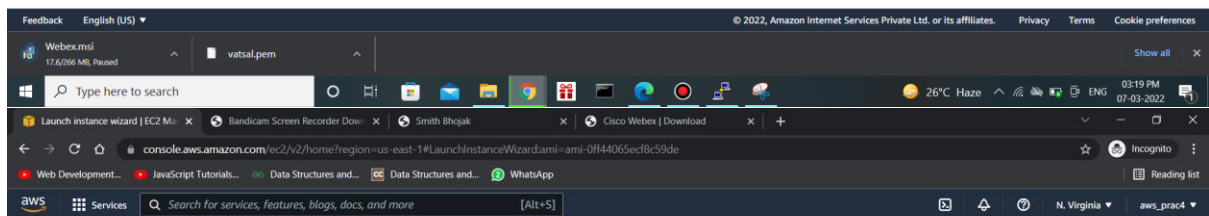
Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. [Learn more](#) about instance types and how they can meet your computing needs.

Filter by: All instance families Current generation Show/Hide Columns

Currently selected: t2.micro (- ECUs, 1 vCPUs, 2.5 GHz, ~, 1 GiB memory, EBS only)

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance	IPv6 Support
<input type="checkbox"/>	t2	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	t2	t2.micro	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.large	2	8	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	t2	t2.xlarge	4	16	EBS only	-	Moderate	Yes

Cancel Previous Review and Launch Next: Configure Instance Details



## Launch Status

Your instances are now launching

The following instance launches have been initiated: i-05af8f57cd3ab5858 [View launch log](#)

Get notified of estimated charges

Create billing alerts to get an email notification when estimated charges on your AWS bill exceed an amount you define (for example, if you exceed the free usage tier).

How to connect to your instances

Your instances are launching, and it may take a few minutes until they are in the **running** state, when they will be ready for you to use. Usage hours on your new instances will start immediately and continue to accrue until you stop or terminate your instances.

Click **View Instances** to monitor your instances' status. Once your instances are in the **running** state, you can **connect** to them from the Instances screen. [Find out](#) how to connect to your instances.

Here are some helpful resources to get you started

- [How to connect to your Linux instance](#)
- [Amazon EC2: User Guide](#)
- [Learn about AWS Free Usage Tier](#)
- [Amazon EC2: Discussion Forum](#)

While your instances are launching you can also



Instances | EC2 Management Console

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console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances:instanceState=running

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Scheduled Instances

Capacity Reservations

Images

AMIs New

Instances (1/2) Info

Search

Instance state = running X Clear filters

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
<input checked="" type="checkbox"/>	-	i-05af8f57cd3ab5858	Running	t2.micro	Initializing	No alarms	us-east-1b	ec2-52-90-145-2
<input type="checkbox"/>	ec2-user	i-04292bd76071eb514	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a	ec2-3-82-107-18

Instance: i-05af8f57cd3ab5858

Details

Security

Networking

Storage

Status checks

Monitoring

Tags

▼ Instance summary Info

Instance ID

i-05af8f57cd3ab5858

Public IPv4 address

52.90.145.240 | open address

Private IPv4 addresses

172.31.24.73

IPv6 address

-

Instance state

Running

Public IPv4 DNS

ec2-52-90-145-240.compute-1.amazonaws.com | open address

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AMIs New

1. Define Load Balancer

2. Assign Security Groups

3. Configure Security Settings

4. Configure Health Check

5. Add EC2 Instances

6. Add Tags

7. Review

Step 2: Assign Security Groups

You have selected the option of having your Elastic Load Balancer inside of a VPC, which allows you to assign security groups to your load balancer. Please select the security groups to assign to this load balancer. This can be changed at any time.

Assign a security group: ☐ Create a new security group ☒ Select an existing security group

Filter VPC security groups

Security Group ID	Name	Description	Actions
<input checked="" type="checkbox"/> sg-01f8cf53bf4e5921	default	default VPC security group	Copy to new
<input type="checkbox"/> sg-06f7870163c7e3394	launch-wizard-1	launch-wizard-1 created 2022-03-07T14:42:52.069+05:30	Copy to new
<input checked="" type="checkbox"/> sg-0c5c781ddc11c2da8	launch-wizard-2	launch-wizard-2 created 2022-03-07T15:21:22.656+05:30	Copy to new

Cancel Previous Next: Configure Security Settings

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console.aws.amazon.com/ec2/v2/home?region=us-east-1#CreateELBWizard

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The screenshot displays the AWS Management Console interface. At the top, the 'Load Balancer Creation Status' section shows a green checkmark indicating 'Successfully created load balancer'. Below this, the 'Instances' section is visible, showing a list of instances. The 'Instances' table has columns for Instance ID, Public IPv4 address, Private IPv4 addresses, Instance state, and Actions. The table shows one instance with ID 'i-04292bd76071eb514' in the 'Running' state. The 'Public IPv4 address' is '3.82.107.183'. The 'Private IPv4 addresses' are '172.31.30.215' and '172.31.91.68'. The 'Instance state' is 'Running'. The 'Actions' column includes a link to 'Launch instances'.