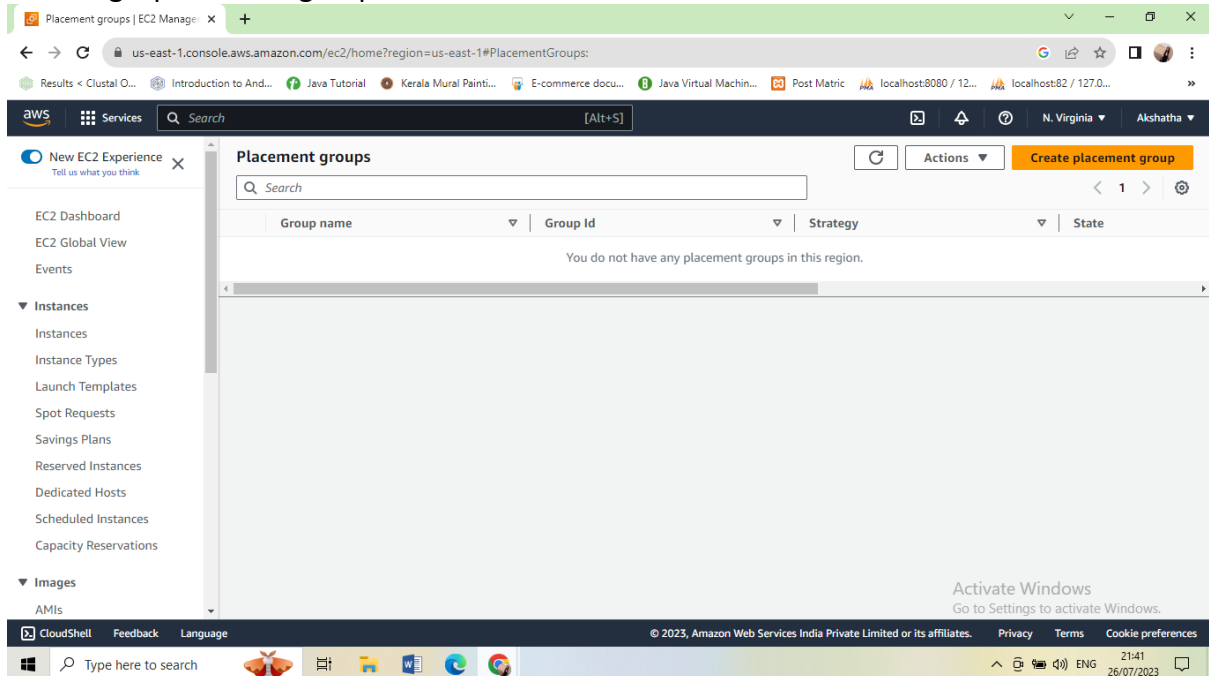
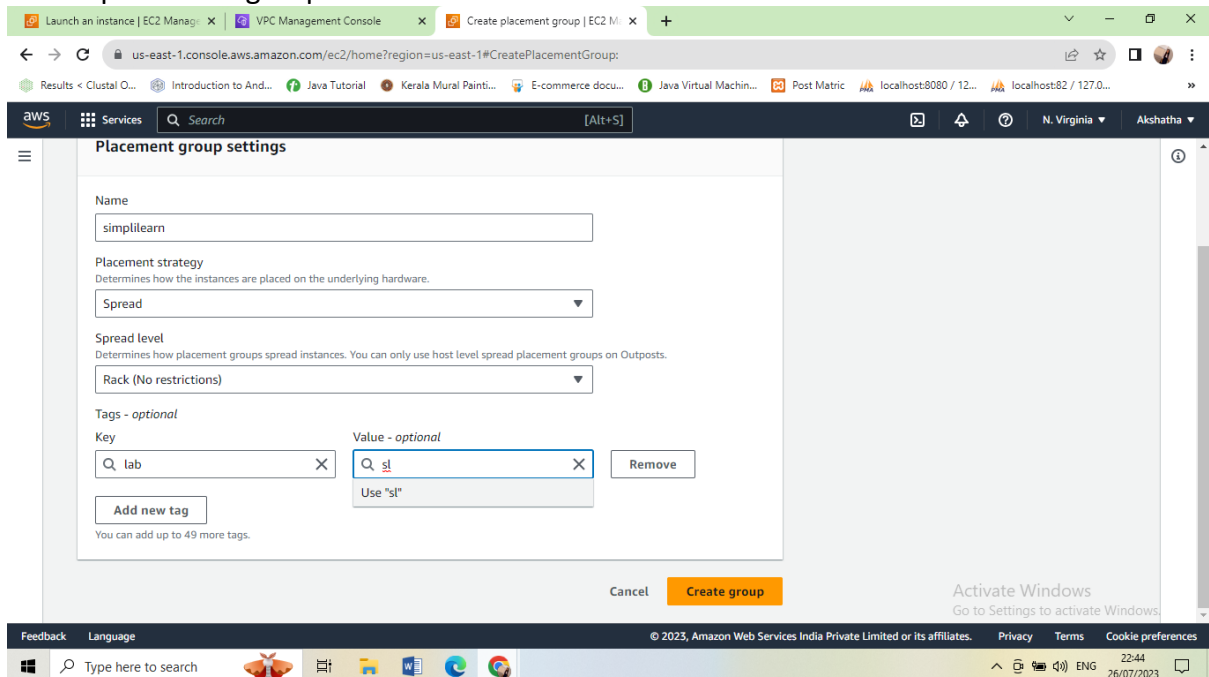


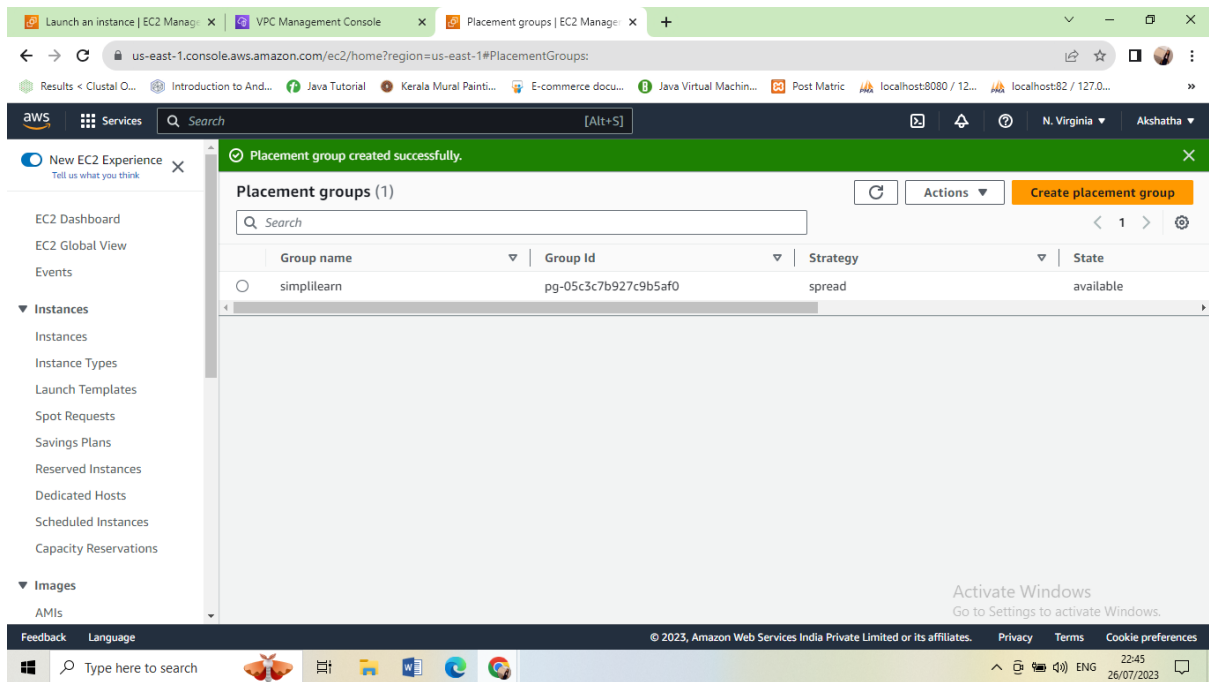
# Phase5-3 Launch an Instance in a Placement Group

## Creating a placement group



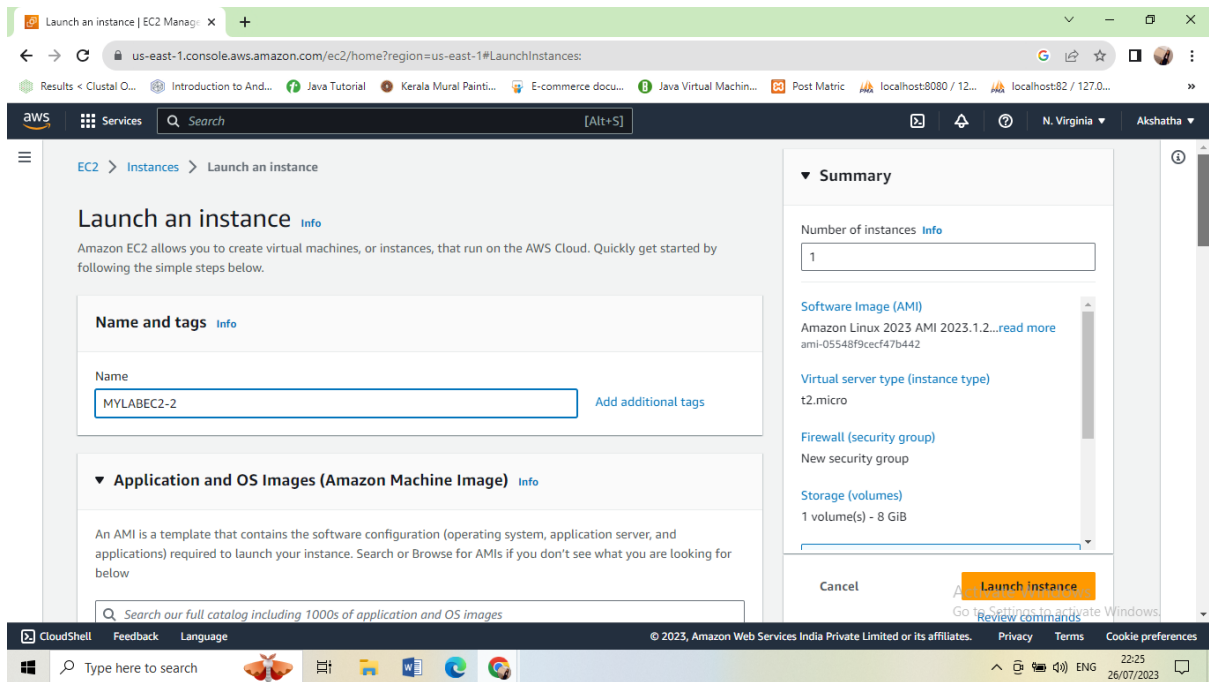
## Create placement group





Launching an instance in the placement group

- Launch the new EC2 instance



Launch an instance | EC2 Management Console

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

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Services Search [Alt+S]

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

MYLAB-KEY-PAIR Create new key pair

Network settings Info Edit

Network Info

vpc-0fe7f1f45a39d88dd

Subnet Info

No preference (Default subnet in any availability zone)

Auto-assign public IP Info

Enable

Summary

Number of instances Info

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.1.2...read more

ami-05548f9cecf47b442

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Cancel Launch instance

CloudShell Feedback Language

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Launch an instance | EC2 Management Console VPC Management Console EC2 Management Console

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Services Search [Alt+S]

Network Info

vpc-0fe7f1f45a39d88dd

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

Common security groups Info

Select security groups

launch-wizard-1 sg-08dd33b39d60d8e58 X

VPC: vpc-0fe7f1f45a39d88dd

Compare security group rules

Security groups that you add or remove here will be added to or removed from all your network interfaces.

Summary

Number of instances Info

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.1.2...read more

ami-05548f9cecf47b442

Virtual server type (instance type)

t2.micro

Firewall (security group)

launch-wizard-1

Storage (volumes)

1 volume(s) - 8 GiB

Cancel Launch instance

Go to Settings to activate Windows. Review commands

Configure storage Info Advanced

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Launch an instance | EC2 Management Console

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

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**Advanced details** Info

Purchasing option Info  
☐ Request Spot Instances

Domain join directory Info  
Select [Create new directory](#)

IAM instance profile Info  
Select [Create new IAM profile](#)

Hostname type Info  
IP name

DNS Hostname Info  
☒ Enable IP name IPv4 (A record) DNS requests  
☒ Enable resource-based IPv4 (A record) DNS requests  
☐ Enable resource-based IPv6 (AAAA record) DNS requests

**Summary**

Number of instances Info  
1

Software Image (AMI)  
Amazon Linux 2023 AMI 2023.1.2...[read more](#)  
ami-05548f9cecf47b442

Virtual server type (instance type)  
t2.micro

Firewall (security group)  
launch-wizard-1

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

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## Select placement group

Launch an instance | EC2 Management Console

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Services Search [Alt+S]

**Credit specification** Info  
Select

**Placement group** Info  
simplilearn pg-05c3c7b927c9b5af0 [Create new placement group](#)

EBS-optimized instance Info  
Disable

Capacity reservation Info  
Select

Tenancy Info  
Select

RAM disk ID Info  
Select

Kernel ID Info  
Select

**Summary**

Number of instances Info  
1

Software Image (AMI)  
Amazon Linux 2023 AMI 2023.1.2...[read more](#)  
ami-05548f9cecf47b442

Virtual server type (instance type)  
t2.micro

Firewall (security group)  
launch-wizard-1

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

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Services Search [Alt+S]

EC2 > Instances > Launch an instance

**Success**  
Successfully initiated launch of instance (i-052c3cc0037606198)

Launch log

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

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

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

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

Create EBS snapshot policy  
Create a policy that automates the creation, retention, and deletion of EBS snapshots.  
Create EBS snapshot policy  
Go to Settings to activate Windows

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Click on (i-052c3cc0037606198)

Launch an instance | EC2 Management Console

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:instanceId=i-052c3cc0037606198

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New EC2 Experience Tell us what you think

EC2 Dashboard  
EC2 Global View  
Events

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

**Images**  
AMIs

**Instances (1) Info** Refresh Connect Instance state Actions Launch instances

Find instance by attribute or tag (case-sensitive)  
Instance ID = i-052c3cc0037606198 Clear filters

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	MYLABEC2-2	i-052c3cc0037606198	Running	t2.micro	Initializing	No alarms	us-east-1c

Select an instance

Activate Windows  
Go to Settings to activate Windows.

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Launch an instance | EC2 Manag... x

VPC Management Console x

EC2 Management Console x

Instances | EC2 Management Co... x

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us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#instances:instanceId=i-052c3cc0037606198

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New EC2 Experience

EC2 Dashboard

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Instances

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Reserved Instances

Dedicated Hosts

Scheduled Instances

Capacity Reservations

Images

AMIs

Instance ID = i-052c3cc0037606198

Clear filters

< 1 >

1

Name

Instance ID

Instance state

Instance type

Status check

Alarm status

Availability Zone

Instance: i-052c3cc0037606198 (MYLABEC2-2)

Host ID

-

Host resource group name

-

Virtualization type

hvm

Number of vCPUs

1

Affinity

-

Tenancy

default

Reservation

r-00ac698ab7883ff9d

Placement group

simplelearn

Placement group ID

pg-05c3c7b927c9b5af0

Partition number

-

Activate Windows

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CloudShell

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