

Dashboard | EC2 Management Console | Assignment1_KeshavMundra - G | +

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Home:

Services Search for services, features, marketplace products, and docs [Alt+S]

New EC2 Experience Tell us what you think

EC2 Dashboard

Events

Tags

Limits

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Instances **New**

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances **New**

Dedicated Hosts

Capacity Reservations

Images

AMIs

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager **New**

Resources

EC2 Global view

You are using the following Amazon EC2 resources in the US East (Ohio) Region:

Instances (running)	0	Dedicated Hosts	0
Elastic IPs	0	Instances	0
Key pairs	0	Load balancers	0
Placement groups	0	Security groups	1
Snapshots	0	Volumes	0

Easily size, configure, and deploy Microsoft SQL Server Always On availability groups on AWS using the AWS Launch Wizard for SQL Server. [Learn more](#)

Launch instance

To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

Launch instance

Note: Your instances will launch in the US East (Ohio) Region.

Service health

Service Health Dashboard

Region: US East (Ohio)

Status: **OK** This service is operating normally

Account attributes

Supported platforms

- VPC
- Default VPC**

Settings

EBS encryption

Zones

EC2 Serial Console

Default credit specification

Console experiments

Explore AWS

10 Things You Can Do Today to Reduce AWS Costs

Explore how to effectively manage your AWS costs without compromising on performance or capacity. [Learn more](#)

Enable Best Price-Performance with AWS Graviton?

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us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:instanceState=running

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Lifecycle Manager **New**

Instances Info

Filter instances

Instance state: running Clear filters

Connect Instance state Actions **Launch instances**

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
No matching instances found							

Select an instance above

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1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review

Step 1: Choose an Amazon Machine Image (AMI)

Cancel and Exit

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by AWS, our user community, or the AWS Marketplace; or you can select one of your own AMIs.

Search for an AMI by entering a search term e.g. "Windows" X

Search by Systems Manager parameter

Quick Start 1 to 44 of 44 AMIs

My AMIs

AWS Marketplace

Community AMIs

☐ Free tier only

Amazon Linux

Free tier eligible

Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-00dfe2c7ce89a450b (64-bit x86) / ami-031dea1a744251b51 (64-bit Arm)

Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras. This AMI is the successor of the Amazon Linux AMI that is approaching end of life on December 31, 2020 and has been removed from this wizard.

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

Select

☒ 64-bit (x86)

☐ 64-bit (Arm)

macOS

macOS Big Sur 11.5.2 - ami-0b1674fbc9847f6d

The macOS Big Sur AMI is an EBS-backed, AWS-supported image. This AMI includes the AWS Command Line Interface, Command Line Tools for Xcode, Amazon SSM Agent, and Homebrew. The AWS Homebrew Tap includes the latest versions of multiple AWS packages included in the AMI.

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

Select

64-bit (Mac)

macOS

macOS Catalina 10.15.7 - ami-06b49b337567bc1f7

The macOS Catalina AMI is an EBS-backed, AWS-supported image. This AMI includes the AWS Command Line Interface, Command Line Tools for Xcode, Amazon SSM Agent, and Homebrew. The AWS Homebrew Tap includes the latest versions of multiple AWS packages included in the AMI.

Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

Select

64-bit (Mac)

1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review

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 Free tier eligible	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
<input type="checkbox"/>	t2	t2.2xlarge	8	32	EBS only	-	Moderate	Yes
<input type="checkbox"/>	t3	t3.nano	2	0.5	EBS only	Yes	Up to 5 Gigabit	Yes

Cancel Previous Review and Launch Next: Configure Instance Details

Launch instance wizard | EC2 M... x

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us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:

aws Services

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1. Choose AMI2. Choose Instance Type3. Configure Instance4. Add Storage5. Add Tags6. Configure Security Group7. Review

Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of instances ⓘ

1

Launch into Auto Scaling Group ⓘ

Purchasing option ⓘ

☐ Request Spot instances

Network ⓘ

vpc-0bd89ed5df947dc19 (default) ⓘ

Create new VPC ⓘ

Subnet ⓘ

No preference (default subnet in any Availability Zone) ⓘ

Create new subnet ⓘ

Auto-assign Public IP ⓘ

Use subnet setting (Enable) ⓘ

Placement group ⓘ

☐ Add instance to placement group

Capacity Reservation ⓘ

Open ⓘ

Domain join directory ⓘ

No directory ⓘ

Create new directory ⓘ

IAM role ⓘ

None ⓘ

Create new IAM role ⓘ

Shutdown behavior ⓘ

Stop ⓘ

Stop - Hibernate behavior ⓘ

☐ Enable hibernation as an additional stop behavior

Enable termination protection ⓘ

☐ Protect against accidental termination

Monitoring ⓘ

☐ Enable CloudWatch detailed monitoring

Cancel

Previous

Review and Launch

Next: Add Storage

Feedback

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Keshav Mundra Ohio Support

1. Choose AMI2. Choose Instance Type3. Configure Instance4. Add Storage5. Add Tags6. Configure Security Group7. Review

Step 4: Add Storage

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. [Learn more](#) about storage options in Amazon EC2.

Volume Type ⓘ	Device ⓘ	Snapshot ⓘ	Size (GiB) ⓘ	Volume Type ⓘ	IOPS ⓘ	Throughput (MB/s) ⓘ	Delete on Termination ⓘ	Encryption ⓘ
Root	/dev/xvda	snap-0350fa19a1ac7579d	8	General Purpose SSD (gp2) ⓘ	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted ⓘ

Add New Volume

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. [Learn more](#) about free usage tier eligibility and usage restrictions.

Cancel

Previous

Review and Launch

Next: Add Tags

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Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

Assign a security group: ☒ Create a new security group

☐ Select an existing security group

Security group name:

launch-wizard-1

Description:

launch-wizard-1 created 2021-09-15T11:47:35.987+05:30

Type	Protocol	Port Range	Source	Description
All traffic	All	0 - 65535	Anywhere 0.0.0.0/0, ::/0	e.g. SSH for Admin Desktop

Add Rule

Warning

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.

Cancel

Previous

Review and Launch

Step 7: Review Instance Launch

AMI Details [Edit AMI](#)

Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-00dfe2c7ce89a450b

Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras. This AMI is the successor of the Amazon Linux AMI that is a...

Root Device Type: ebs Virtualization type: hvm

Instance Type [Edit instance type](#)

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	-	1	1	EBS only	-	Low to Moderate

Security Groups [Edit security groups](#)

Security group name

launch-wizard-1

Description

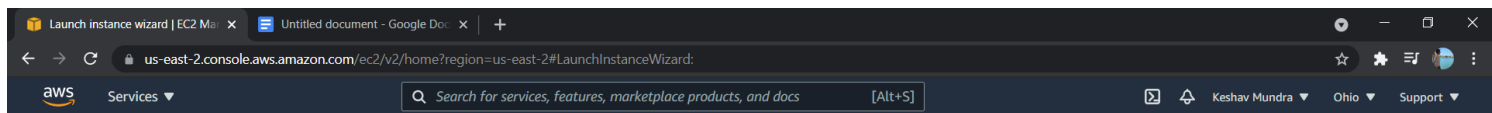
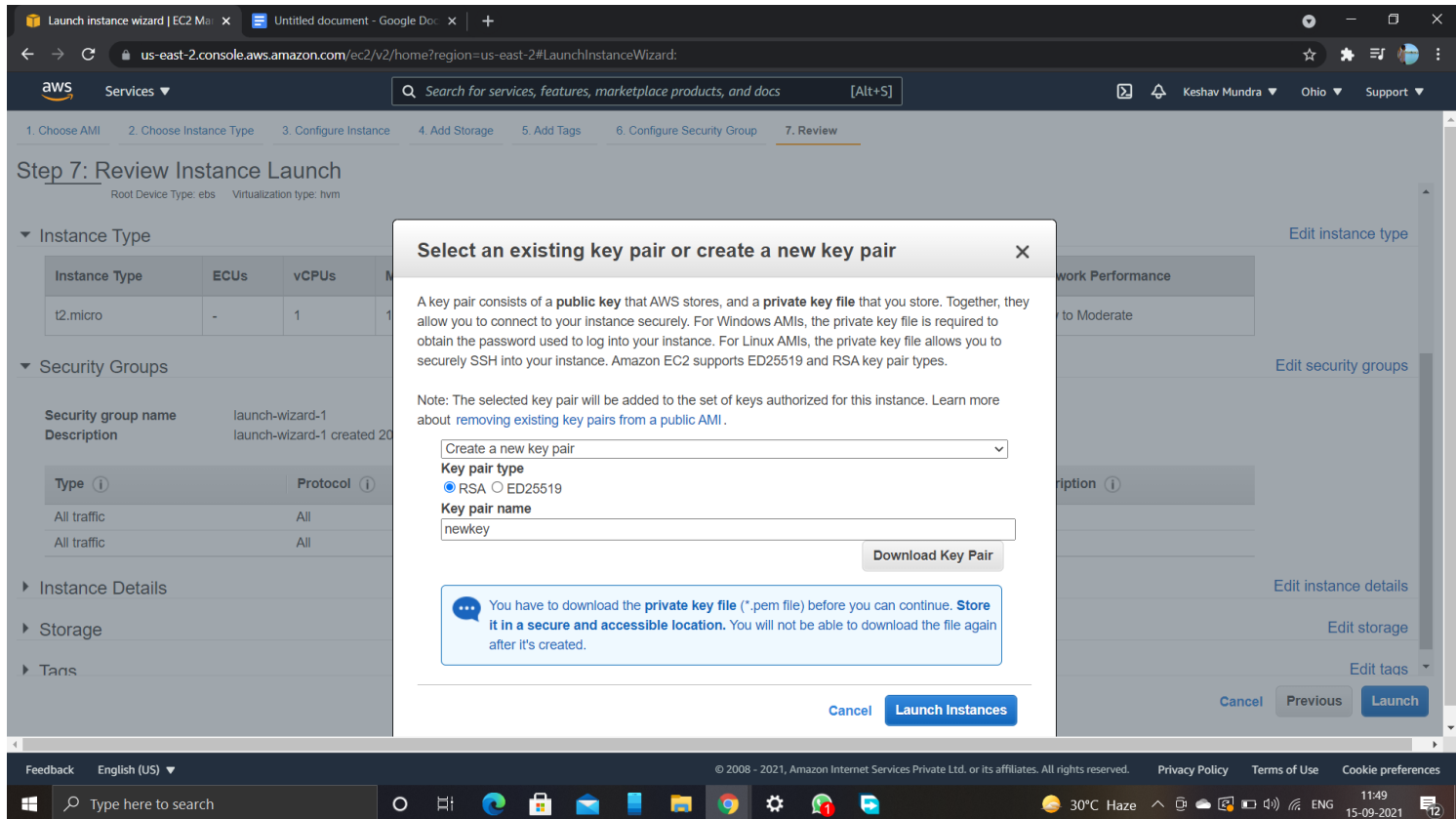
launch-wizard-1 created 2021-09-15T11:47:35.987+05:30

Type	Protocol	Port Range	Source	Description
All traffic	All	All	0.0.0.0/0	
All traffic	All	All	::/0	

Cancel

Previous

Launch



Launch Status

✓ **Your instances are now launching**
The following instance launches have been initiated: I-0c6fafbf20b680832 [View launch log](#)

i **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.

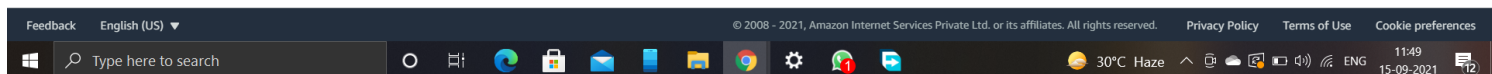
Here are some helpful resources to get you started

- [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

- [Create status check alarms](#) to be notified when these instances fail status checks. (Additional charges may apply)
- [Create and attach additional EBS volumes](#) (Additional charges may apply)
- [Manage security groups](#)

[View Instances](#)



Instances | EC2 Management Console | Untitled document - Google Doc

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:

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Capacity Reservations

Images
AMIs

Elastic Block Store
Volumes
Snapshots
Lifecycle Manager New

Instances (1) Info

Filter instances

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
<input type="checkbox"/>	keshavnwser...	i-0c6fafbf20b680832	Pending	t2.micro	-	No alarms +	us-east-2b	ec2-18-219-44-1

Select an instance above

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Instances | EC2 Management Console | Untitled document - Google Doc

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Instances (1) Info

Filter instances

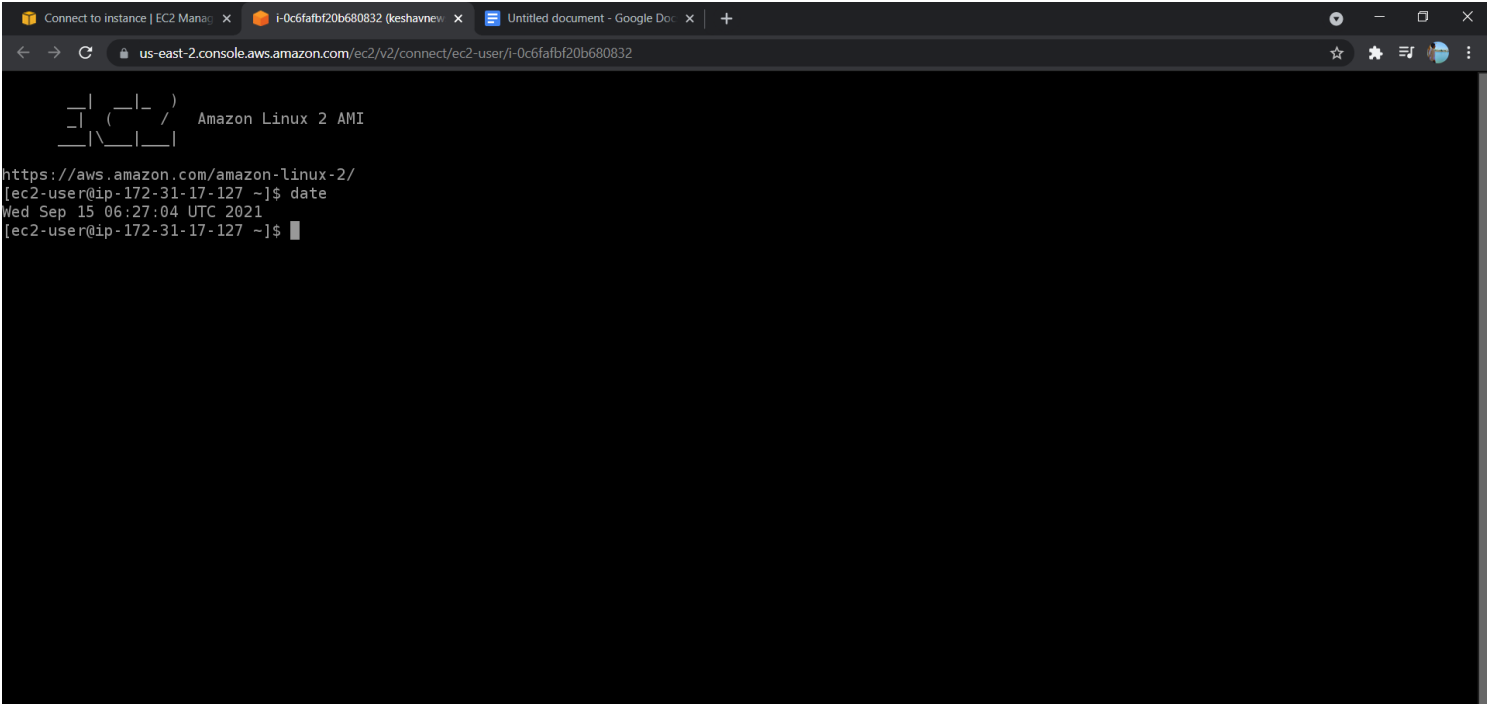
	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
<input type="checkbox"/>	keshavnwser...	i-0c6fafbf20b680832	Running	t2.micro	2/2 checks passed	No alarms +	us-east-2b	ec2-18-219-44-1

Select an instance above

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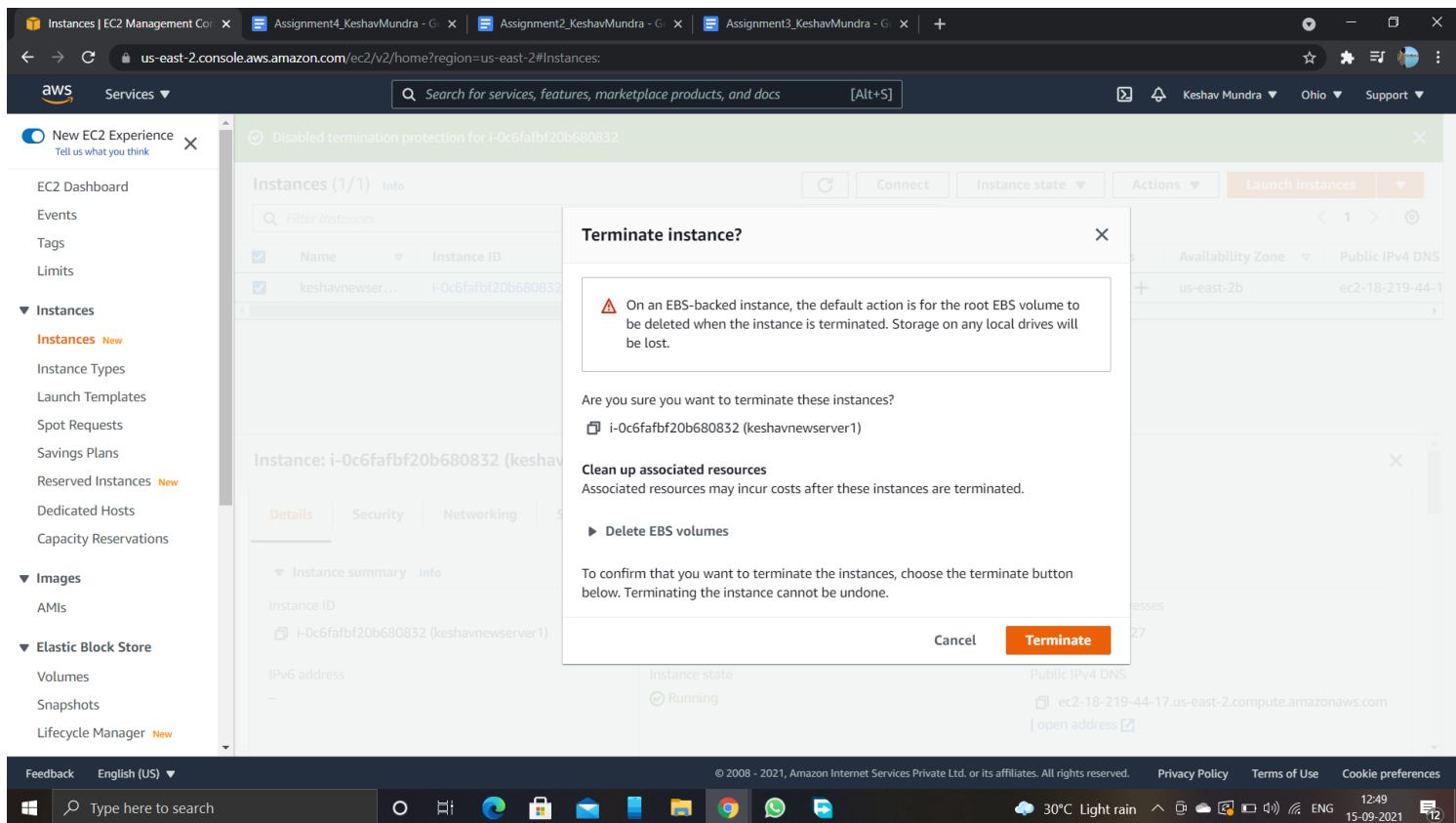
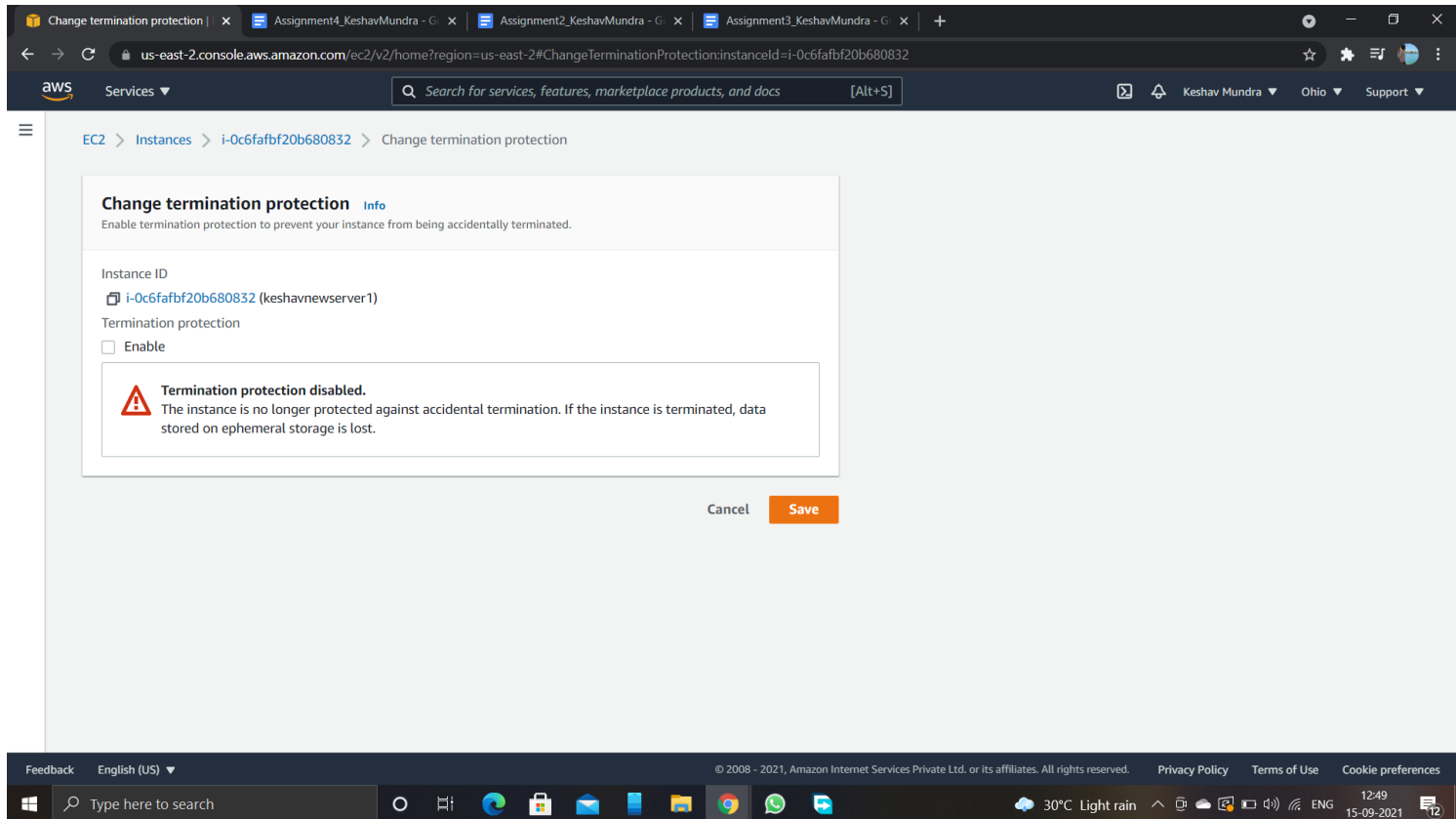
Type here to search

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Public IPs: 18.219.44.17 Private IPs: 172.31.17.127





Instances | EC2 Management Console

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Assignment2_KeshavMundra - G

Assignment3_KeshavMundra - G

+

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:

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Lifecycle Manager New

Disabled termination protection for i-0c6fafbf20b680832

Successfully terminated i-0c6fafbf20b680832

Instances (1/1) Info

Filter instances

Connect

Instance state

Actions

Launch instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
keshavnewser...	i-0c6fafbf20b680832	Shutting-down	t2.micro	2/2 checks passed	No alarms	us-east-2b	ec2-18-219-44-1

Instance: i-0c6fafbf20b680832 (keshavnewserver1)

DetailsSecurityNetworkingStorageStatus checksMonitoringTags

Instance summary Info

Instance ID

i-0c6fafbf20b680832 (keshavnewserver1)

Public IPv4 address

18.219.44.17 | open address

Private IPv4 addresses

172.31.17.127

IPv6 address

-

Instance state

Shutting-down

Public IPv4

ec2-18-219-44-1 | open address

OneDrive

Screenshot saved

The screenshot was added to your OneDrive.

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