

# AWS Cloud Computing ZERO TO HERO Ess JUL

## Assignment 2

### Working With EC2

Create an ec2 instance and display instance details

Enable termination protection

Terminate you instance after disabling termination protection

Sol.

Launch instance wizard | EC2 M... X + https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:

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

Step 1: Choose an Amazon Machine Image (AMI)

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"

Quick Start

My AMIs

AWS Marketplace

Community AMIs

Free tier only ⓘ

Amazon Linux Free tier eligible 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.

macOS Big Sur 11.4 - ami-0a9fe78331c483be2 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.

macOS Catalina 10.15.7 - ami-0dcfad26e3bde40 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.

Select   64-bit (x86)   64-bit (Arm)

Select   64-bit (Mac)

Select   64-bit (Mac)

**Step 7: Review Instance Launch**

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

**⚠ Improve your instances' security. Your security group, launch-wizard-1, is open to the world.**

Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only. You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. [Edit security groups](#)

**AMI Details** [Edit AMI](#)

Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-0443305dab4be2bc
<small>Free tier eligible</small>
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
---------------------	-----------------

**Cancel** **Previous** **Launch**

Feedback English (US) ▾ Type here to search Privacy Policy Terms of Use Cookie preferences 28°C Light rain ENG 09:34 03-08-2021

**Step 3: Configure Instance Details**

**Placement group**  Add instance to placement group

**Capacity Reservation**  Open [Create new capacity reservation](#)

**Domain join directory**  No directory [Create new directory](#)

**IAM role**  None [Create new IAM role](#)

**Shutdown behavior**  Stop [Stop instance](#)

**Stop - Hibernate behavior**  Enable hibernation as an additional stop behavior

**Enable termination protection**  Protect against accidental termination

**Monitoring**  Enable CloudWatch detailed monitoring Additional charges apply.

**Tenancy**  Shared - Run a shared hardware instance [Additional charges will apply for dedicated tenancy.](#)

**Elastic Inference**  Add an Elastic Inference accelerator Additional charges apply.

**Credit specification**  Unlimited [Additional charges may apply](#)

**File systems**  [Create new file system](#)

**Cancel** **Previous** **Review and Launch** **Next: Add Storage**

Feedback English (US) ▾ Type here to search Privacy Policy Terms of Use Cookie preferences 28°C Light rain ENG 09:35 03-08-2021

Launch instance wizard | EC2 M... +

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

Vikash Kumar ▾ Ohio ▾ Support ▾

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

Step 7: Review Instance Launch

This AMI is the successor of the Amazon Linux AMI that is a...  
Root Device Type: ebs Virtualization type: hvm

Instance Type

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

Security Groups

Security group name: launch-wizard-1  
Description: launch-wizard-1 created 2021-08-03T09:34:48.170+05:30

Type: SSH Protocol: TCP Port Range: 22 Source: 0.0.0.0/0 Description: A description for a security group rule.

Instance Details, Storage, Tags

Cancel Previous Launch

Feedback English (US) ▾ Type here to search © 2008 - 2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences 28°C Light rain ENG 09:36 03-08-2021

Launch instance wizard | EC2 M... +

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

Vikash Kumar ▾ Ohio ▾ Support ▾

Launch Status

Your instances are now launching  
The following instance launches have been initiated: i-07bf8a974262f91c5 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.

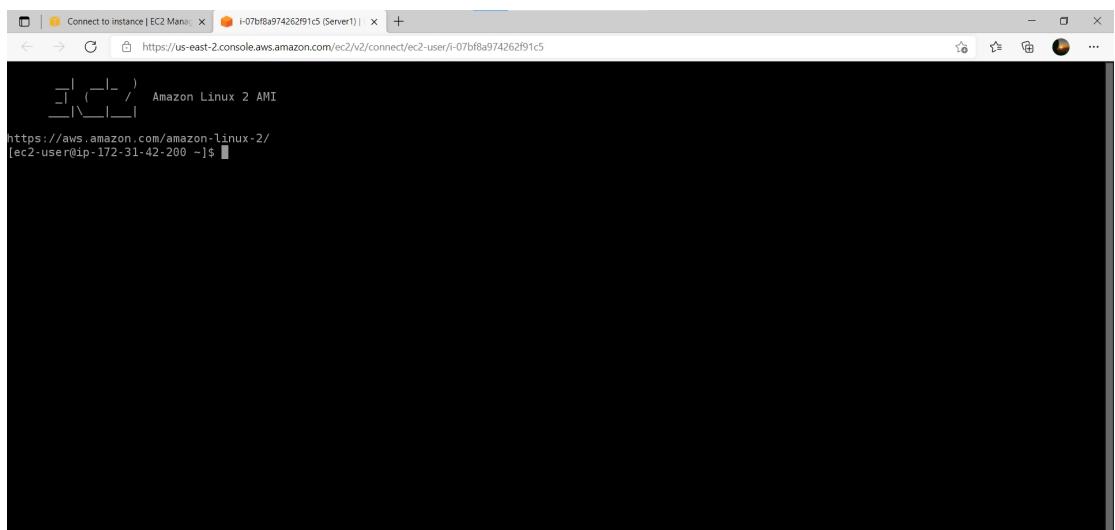
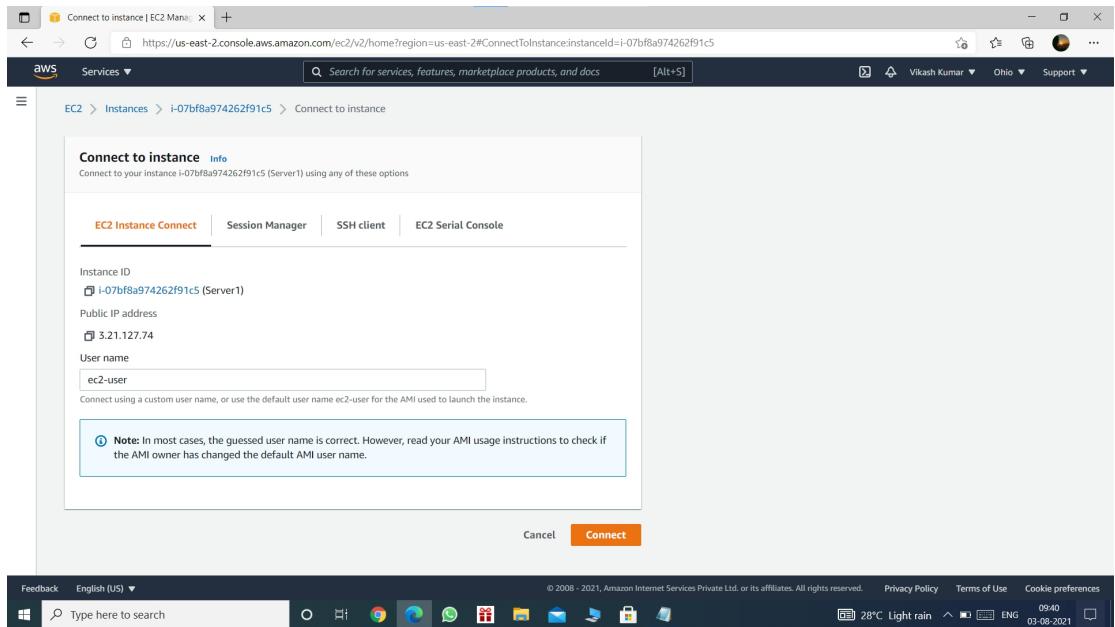
Here are some helpful resources to get you started

- How to connect to your Linux instance
- Learn about AWS Free Usage Tier
- Amazon EC2: User Guide
- 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

Feedback English (US) ▾ Type here to search © 2008 - 2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences 28°C Light rain ENG 09:38 03-08-2021



Instances | EC2 Management Con

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

Vikash Kumar Ohio Support

New EC2 Experience Tell us what you think

EC2 Dashboard Events Tags Limits

Instances 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

Feedback English (US) Type here to search 28°C Light rain 0941 03-08-2021

Instances | EC2 Management Con

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

Vikash Kumar Ohio Support

New EC2 Experience Tell us what you think

EC2 Dashboard Events Tags Limits

Instances 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

Feedback English (US) Type here to search 28°C Light rain 0942 03-08-2021

Disabled termination protection for i-07bf8a974262f91c5

Instances (1) Info Connect Instance state Actions Launch instances

Filter instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
Server1	i-07bf8a974262f91c5	Running	t2.micro	2/2 checks passed	No alarms	us-east-2c	ec2-3-21-127-74

Select an instance above

Terminate instance?

On an EBS-backed instance, the default action is for the root EBS volume to be deleted when the instance is terminated. Storage on any local drives will be lost.

Are you sure you want to terminate these instances?  
i-07bf8a974262f91c5 (Server1)

To confirm that you want to terminate the instances, choose the terminate button below. Terminating the instance cannot be undone.

Cancel Terminate

Details Security Networking

Instance ID: i-07bf8a974262f91c5 (Server1)  
IPv4 address: 3.21.127.74 | open address  
Instance state: Running  
Public IPv4 DNS: ec2-3-21-127-74.us-east-2.compute.amazonaws.com | open address

Feedback English (US) Type here to search 28°C Light rain 0942 03-08-2021

Screenshot of the AWS EC2 Management Console showing the Instances page.

The top navigation bar includes the AWS logo, Services dropdown, search bar ("Search for services, features, marketplace products, and docs"), and user information ("Vikash Kumar", "Ohio", "Support").

The left sidebar shows the New EC2 Experience, EC2 Dashboard, Events, Tags, Limits, Instances (with sub-options: Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations), Images (AMIs), and Elastic Block Store (Volumes, Snapshots, Lifecycle Manager).

The main content area displays a summary message: "Disabled termination protection for i-07bf8a974262f91c5" and "Successfully terminated i-07bf8a974262f91c5".

The "Instances (1/1) Info" table lists one instance:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
Server1	i-07bf8a974262f91c5	Shutting-down	t2.micro	2/2 checks passed	No alarms	us-east-2c	ec2-3-21-127-74

A detailed view for "Instance: i-07bf8a974262f91c5 (Server1)" is shown, with tabs for Details, Security, Networking, Storage, Status checks, Monitoring, and Tags. The Details tab is selected, displaying the following information:

Instance summary		
Instance ID	Public IPv4 address	Private IPv4 addresses
i-07bf8a974262f91c5 (Server1)	3.21.127.74   open address	172.31.42.200
IPv6 address	Instance state	Public IPv4 DNS
-	Shutting-down	ec2-3-21-127-74.us-east-2.compute.amazonaws.com   open address

The bottom of the screen shows the Windows taskbar with icons for File Explorer, Task View, Taskbar settings, Start button, and search bar ("Type here to search"). It also displays system information: Privacy Policy, Terms of Use, Cookie preferences, 28°C Light rain, ENG, 09:42, and the date 03-08-2021.