Name-Tushar Raj Verma

Ans-1

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 types ▾   Current generation ▾   **Show/Hide Columns**

Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)

	Family ▾	Type ▾	vCPUs ⓘ ▾	Memory (GiB) ▾	Instance Storage (GB) ⓘ ▾	EBS-Optimized Available ⓘ ▾	Network Performance ⓘ ▾	IPv6 Support ⓘ ▾
☐	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
☑	General purpose	t2.micro **Free tier eligible**	1	1	EBS only	-	Low to Moderate	Yes
☐	General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes
☐	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate	Yes

Cancel   Previous   **Review and Launch**   Next: Configure Instance Details

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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-600fc10b (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 ▾]   ↻   Create new Capacity Reservation

IAM role ⓘ   [None ▾]   ↻   Create new IAM role

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

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-0ed4f88be6558a32a	15	General Purpose SSD (gp2)	100 / 3000	N/A	☑	Not Encrypte ▾

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

Step 5: Add Tags

A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver.
A copy of a tag can be applied to volumes, instances or both.
Tags will be applied to all instances and volumes. Learn more about tagging your Amazon EC2 resources.

Key (128 characters maximum)	Value (256 characters maximum)	Instances ⓘ	Volumes ⓘ	
test	testing	☑	☑	✕

Add another tag   (Up to 50 tags maximum)

Cancel   Previous   **Review and Launch**   Next: Configure Security Group

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-2

Description: launch-wizard-2 created 2020-03-02T12:29:36.335+05:30

Type ⓘ	Protocol ⓘ	Port Range ⓘ	Source ⓘ		Description ⓘ	
SSH ⌄	TCP	22	Custom ⌄	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

New EC2 Experience
Tell us what you think

Launch Instance ⌄   Connect   Actions ⌄

EC2 Dashboard New

Events New

Tags

Reports

🔍 Filter by tags and attributes or search by keyword   ⓘ |< < 1 to 2 of 2 > >|

	Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
☐		i-030cc75f411e16b74	t2.micro	us-east-2b	🟢 running	⌛ Initializing	None	ec2-3-12-241-136.

New EC2 Experience
Tell us what you think

Launch Instance ⌄   Connect   Actions ⌄
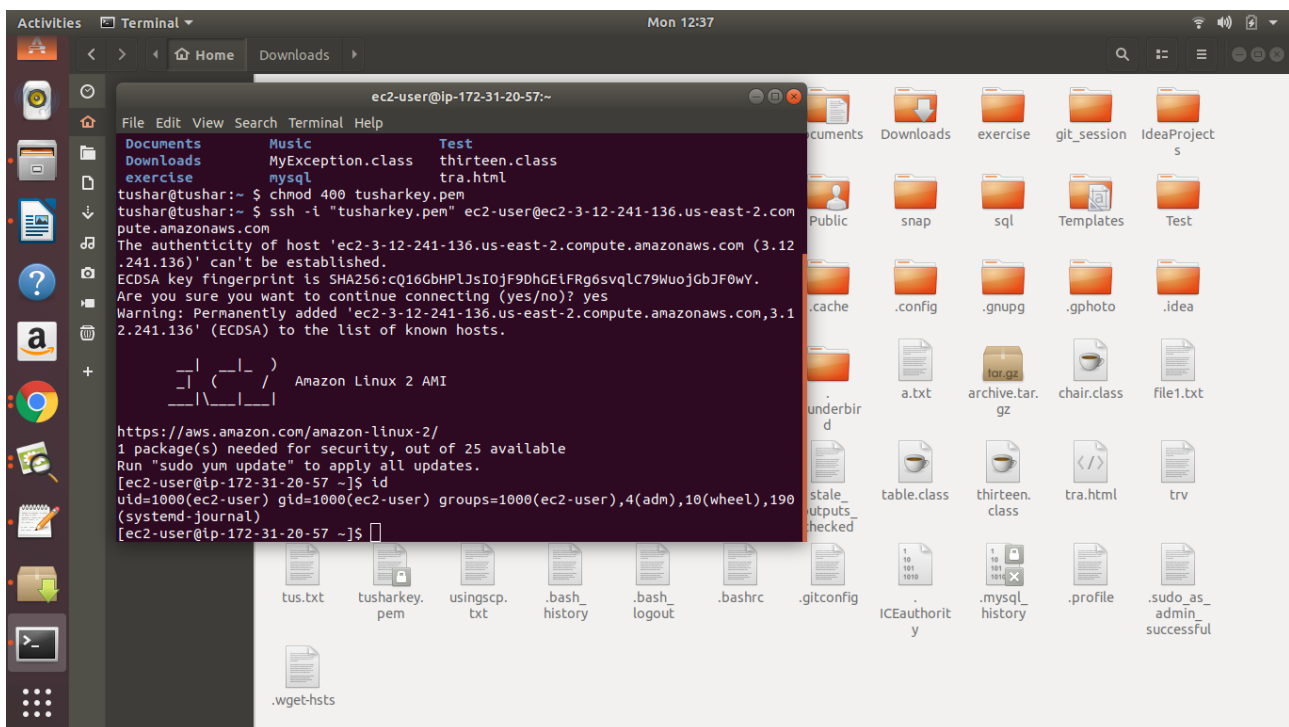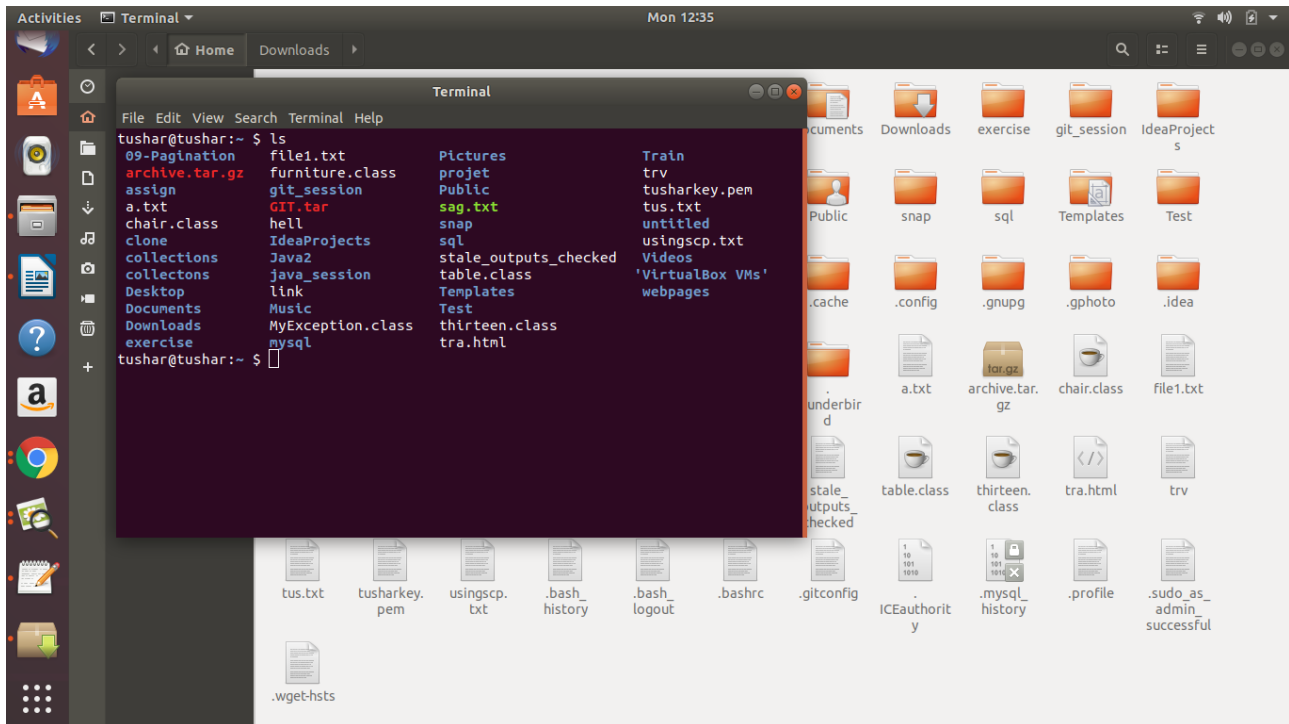
EC2 Dashboard New

Events New

Tags

Reports

🔍 Filter by tags and attributes or search by keyword   ⓘ |< < 1 to 2 of 2 > >|
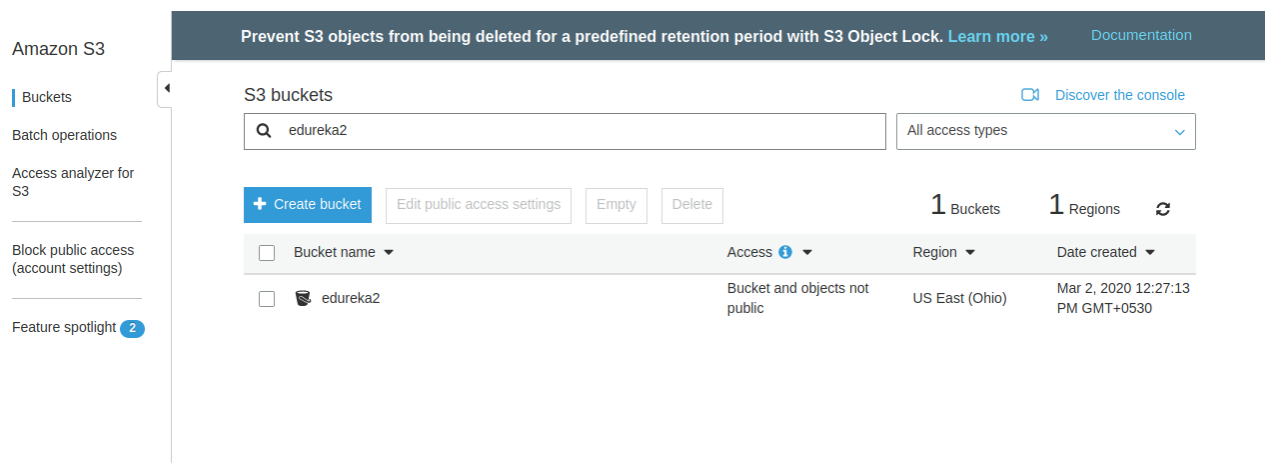
	Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
☐		i-030cc75f411e16b74	t2.micro	us-east-2b	🟢 running	⌛ Initializing	None	ec2-3-12-241-136.

Ans2

Ans3.

Ans4

S.no	IaaS	PaaS	SaaS
1)	Infrastructure-as-a-Service	Platform-as-a-Service	Software-as-a-Service
2)	A model in cloud compuitng that provides virtualized computing resources.	A cloud computing model that delivers tools necessary for application development over that internet.	A services model in cloud computing that hosts software and makes them available for client over the internet.
3)	It provides access to resources such a virtual machines,virtual storage etc.	It provides runtimes enviroments developments and deployment tools for applications.	It provides software as services to the end users.
4)	It is used by network architects.	Its is used by developers.	It is used by ends users.