

Name-Tushar Raj Verma

Ans-1

Activities Google Chrome Mon 12:18

portal.aws.amazon.com/billing/signup?redirect_url=https%3A%2F%2Faws.amazon.com%2Fregistration-confirmation#/account

Contact Information

All fields are required.

Please select the account type and complete the fields below with your contact details.

Account type ⓘ
☐ Professional ☒ Personal

Full name

Phone number

Country/Region

* If you select India, your country/region selection cannot be changed after creating the account.

Address

City

1.png ods-vs-data-w....jpg Show all

History

- S3
- Console Home
- EC2

Find a service by name or feature (for example, EC2, S3 or VM, storage).

Group A-Z

Compute <ul style="list-style-type: none">EC2LightsailECRECSEKSLambdaBatchElastic BeanstalkServerless Application RepositoryAWS OutpostsEC2 Image Builder	Customer Enablement <ul style="list-style-type: none">AWS IQSupportManaged Services	Machine Learning <ul style="list-style-type: none">Amazon SageMakerAmazon CodeGuruAmazon ComprehendAmazon ForecastAmazon Fraud DetectorAmazon KendraAmazon LexAmazon Machine LearningAmazon PersonalizeAmazon PollyAmazon RekognitionAmazon TextractAmazon TranscribeAmazon TranslateAWS DeepLensAWS DeepRacerAmazon Augmented AI	Application Integration <ul style="list-style-type: none">Step FunctionsAmazon EventBridgeAmazon MQSimple Notification ServiceSimple Queue ServiceSWF
Storage <ul style="list-style-type: none">S3EFSFSx	Blockchain <ul style="list-style-type: none">Amazon Managed Blockchain	Satellite <ul style="list-style-type: none">Ground Station	AWS Cost Management <ul style="list-style-type: none">AWS Cost ExplorerAWS BudgetsAWS Marketplace Subscriptions
	Quantum Technologies <ul style="list-style-type: none">Amazon Braket		Customer Engagement <ul style="list-style-type: none">Amazon ConnectPinpointAmazon Augmented AI

close

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
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	General purpose	t2.micro Free tier eligible	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate	Yes

Cancel Previous Review and Launch Next: Configure Instance Details

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	<input type="checkbox"/> 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	<input type="checkbox"/> 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 <small>i</small>	Device <small>i</small>	Snapshot <small>i</small>	Size (GiB) <small>i</small>	Volume Type <small>i</small>	IOPS <small>i</small>	Throughput (MB/s) <small>i</small>	Delete on Termination <small>i</small>	Encryption <small>i</small>
Root	/dev/xvda	snap-0ed4f88be6558a32a	15	General Purpose SSD (gp2) <small>v</small>	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypt <small>v</small>

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 <small>(128 characters maximum)</small>	Value <small>(256 characters maximum)</small>	Instances <small>i</small>	Volumes <small>i</small>	
test	testing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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:

Description:

Type ⁱ	Protocol ⁱ	Port Range ⁱ	Source ⁱ	Description ⁱ
SSH ^v	TCP	22	Custom ^v 0.0.0.0/0	e.g. SSH for Admin Desktop ^x
<button>Add Rule</button>				



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 ^v

Connect

Actions ^v

EC2 Dashboard ^{New}

Events ^{New}

Tags

Reports

Filter by tags and attributes or search by keyword [?]

1 to 2 of 2

<input type="checkbox"/>	Name ^v	Instance ID [^]	Instance Type ^v	Availability Zone ^v	Instance State ^v	Status Checks ^v	Alarm Status	Public DNS (IPv4)
<input type="checkbox"/>		i-030cc75f411e16b74	t2.micro	us-east-2b	running	Initializing	None	ec2-3-12-241-136.1

New EC2 Experience

Tell us what you think

Launch Instance ^v

Connect

Actions ^v

EC2 Dashboard ^{New}

Events ^{New}

Tags

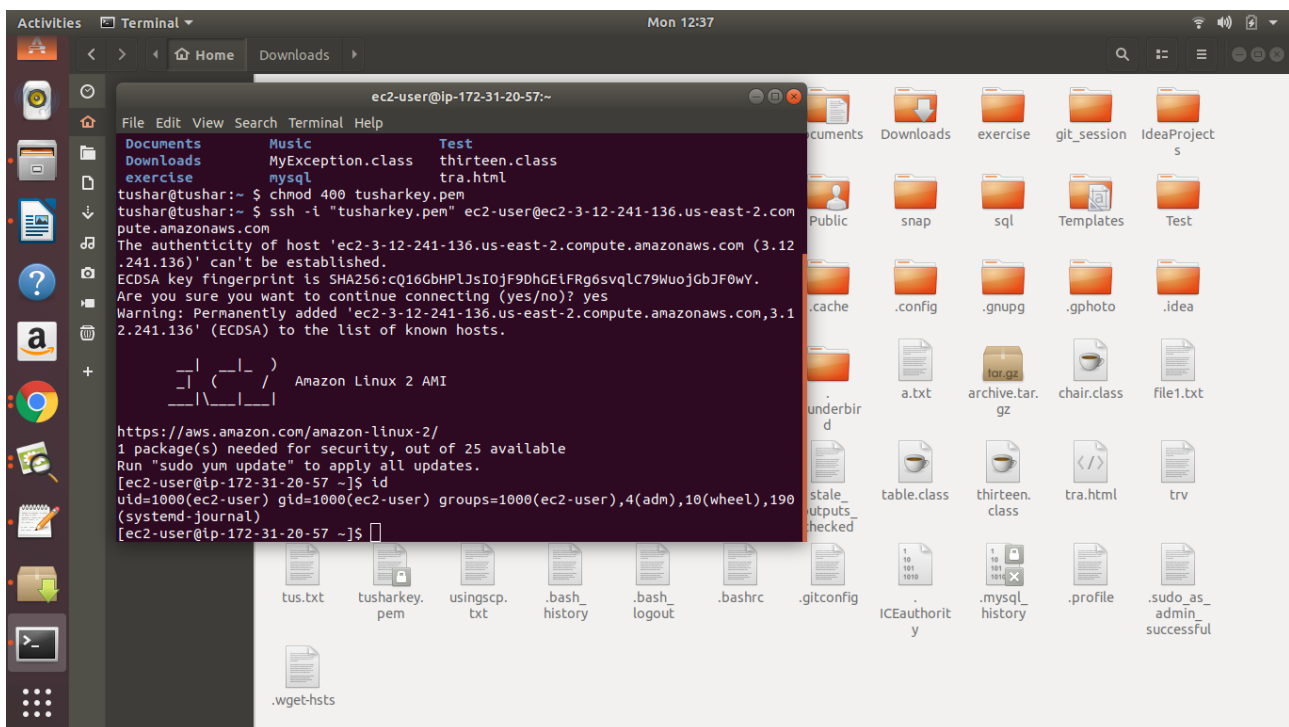
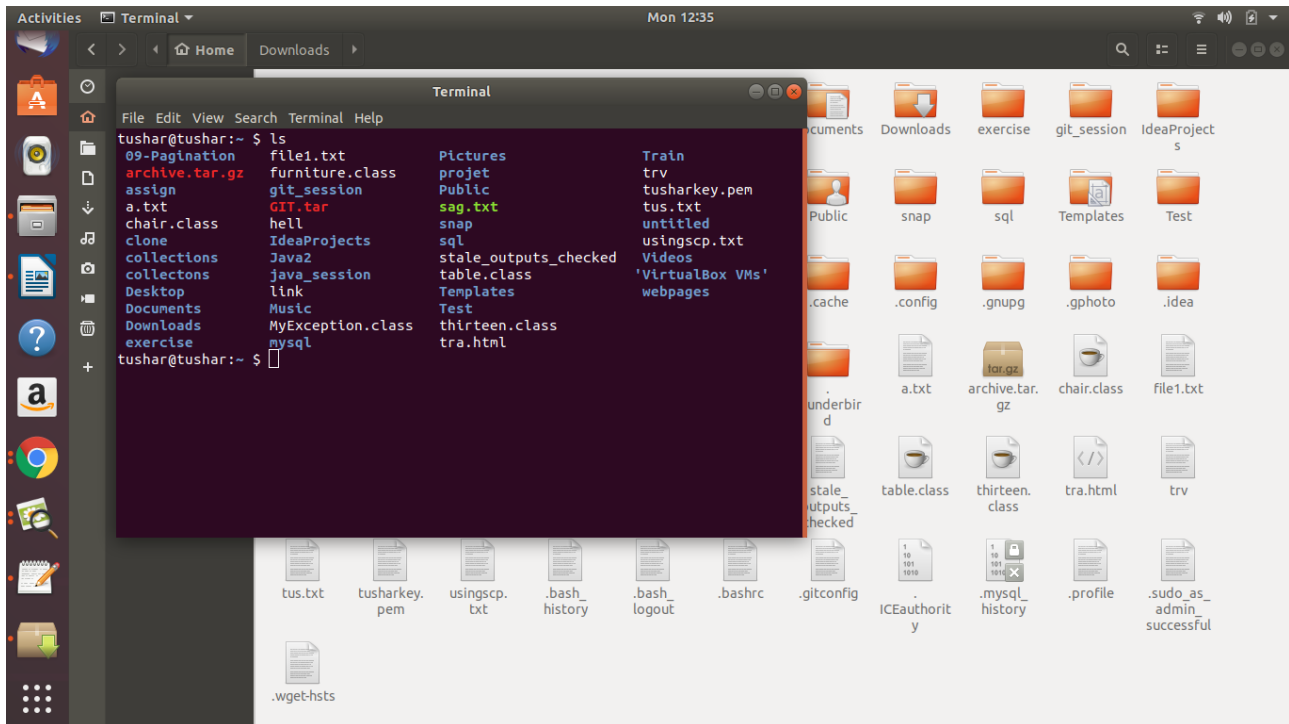
Reports

Filter by tags and attributes or search by keyword [?]

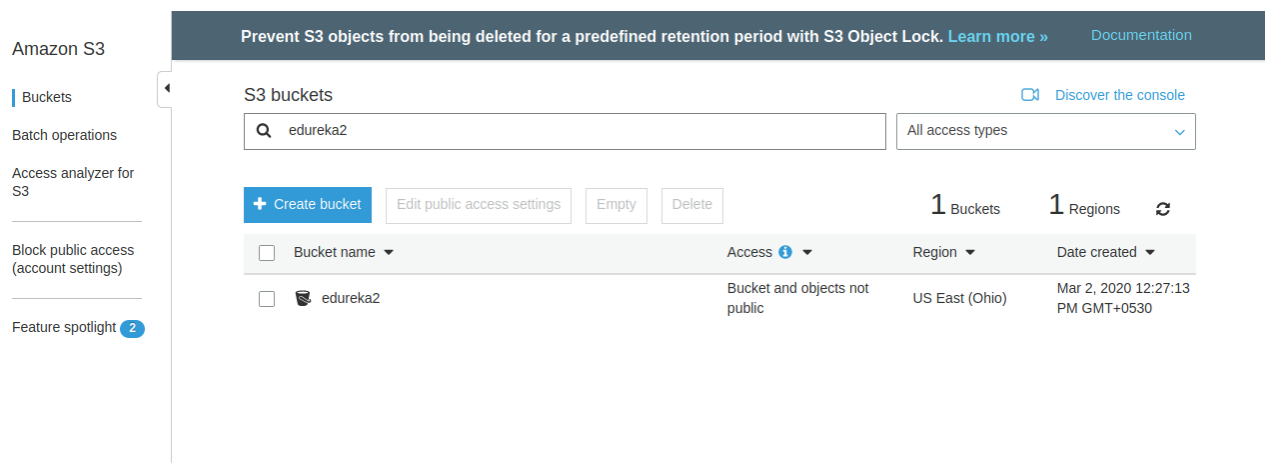
1 to 2 of 2

<input type="checkbox"/>	Name ^v	Instance ID [^]	Instance Type ^v	Availability Zone ^v	Instance State ^v	Status Checks ^v	Alarm Status	Public DNS (IPv4)
<input type="checkbox"/>		i-030cc75f411e16b74	t2.micro	us-east-2b	running	Initializing	None	ec2-3-12-241-136.1

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 computing that provides virtualized computing resources.	A cloud computing model that delivers tools necessary for application development over the 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 as virtual machines, virtual storage, etc.	It provides runtime environments, developments, and deployment tools for applications.	It provides software as a service to the end users.
4)	It is used by network architects.	It is used by developers.	It is used by end users.