

Assignment – 4

Objective:

- Working with VPC
- Create your VPC

aws

Services

Search vpc

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Global

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Amazon S3

Buckets

Access Points

Object Lambda

Multi-Region

Batch Operations

Access analyzer

Block Public Access

Storage Lens

Dashboards

AWS Organizations

Feature spotlights

AWS Marketplace

Search results for 'vpc'

Services

See all 6 results

VPC

Isolated Cloud Resources

AWS Network Firewall

AWS Network Firewall

AWS Firewall Manager

Central management of firewall rules

Detective

Investigate and analyze potential security issues

Features

See all 22 results

VPC links

API Gateway feature

VPC Reachability Analyzer

VPC feature

Object actions

shot (68).png

shot (68).png

a5ba8

amazonaws.com/Screenshot+

https://us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2

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New VPC Experience

Tell us what you think

VPC Dashboard

EC2 Global View New

Filter by VPC:

🔍

Select a VPC

▼

VIRTUAL PRIVATE CLOUD

Your VPCs

Subnets

Route Tables New

Internet Gateways

Egress Only Internet Gateways

DHCP Options Sets

Elastic IPs

Managed Prefix Lists

Endpoints

Endpoint Services New

NAT Gateways

Peering Connections New

▼

SECURITY

Network ACLs

Security Groups

Launch VPC Wizard

Launch EC2 Instances

Note: Your Instances will launch in the US East (Ohio) region.

Resources by Region

🔄 Refresh Resources

You are using the following Amazon VPC resources

VPCs

Only this region ▲

Ohio 1

Europe (Stockholm)1

Asia Pacific (Mumbai)1

Europe (Paris)1

Europe (London)1

Europe (Ireland)1

Asia Pacific (Osaka)1

Asia Pacific (Seoul)1

Asia Pacific (Tokyo)1

South America (São Paulo)1

Canada (Central)1

Asia Pacific (Singapore)1

Asia Pacific (Sydney)1

Europe (Frankfurt)1

US East (N. Virginia)1

US East (Ohio)1

US West (N. California)1

US West (Oregon)1

Subnets

See all regions ▼

Ohio 3

NAT Gateways

See all regions ▼

Ohio 0

VPC Peering Connections

See all regions ▼

Ohio 0

Network ACLs

See all regions ▼

Ohio 1

Security Groups

See all regions ▼

Ohio 2

Customer Gateways

See all regions ▼

Ohio 0

Virtual Private Gateways

See all regions ▼

Ohio 0

Site-to-Site VPN Connections

See all regions ▼

Ohio 0

Running Instances

See all regions ▼

Ohio 1

Service Health

Current Status

Details

✔ Amazon EC2 - US East (Ohio)

Service is operating normally

View complete service health details

Settings

Zones

Console Experiments

Additional Information

VPC Documentation

All VPC Resources

Forums

Report an Issue

Transit Gateway Network Manager

Network Manager enables centrally manage your global network across AWS and on-premises. [Learn more](#)

Get started with Network Manager

Site-to-Site VPN Connections

Amazon VPC enables you to use your own isolated resources within the AWS cloud, and then connect those resources directly to your own datacenter using industry-standard encrypted IPsec VPN connections.

Feedback

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Your VPCs (1) Info

🔄

Actions ▾

Create VPC

📘

🔍

Filter VPCs

< 1 > ⚙️

<input type="checkbox"/>	Name ▾	VPC ID ▾	State ▾	IPv4 CIDR	IPv6 CIDR	IPv6 pool
<input type="checkbox"/>	-	vpc-b7b6dddc	🟢 Available	172.31.0.0/16	-	-

Select a VPC above

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VPC settings

Name tag - optional

Creates a tag with a key of 'Name' and a value that you specify.

IPv4 CIDR block [Info](#)

IPv6 CIDR block [Info](#)

- ☒ No IPv6 CIDR block
- ☐ Amazon-provided IPv6 CIDR block
- ☐ IPv6 CIDR owned by me

Tenancy [Info](#)

Tags

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key

Value - optional

You can add 49 more tags.

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Select a VPC

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REACHABILITY

Reachability Analyzer

VPC > Your VPCs > vpc-06c3daf54132cab34

vpc-06c3daf54132cab34 / maazvpc

Actions

Details

Info

VPC ID	State	DNS hostnames	DNS resolution
vpc-06c3daf54132cab34	Available	Disabled	Enabled
Tenancy	DHCP options set	Main route table	Main network ACL
Default	dopt-15014d7e	rtb-055685cfad96614b5	acl-08e9639c5a9de635d
Default VPC	IPv4 CIDR	IPv6 pool	IPv6 CIDR
No	24.0.0.0/16	-	-
Route 53 Resolver DNS Firewall rule groups	Owner ID		
-	935423687278		

CIDRs

Flow logs

Tags

IPv4 CIDRs

Info

CIDR	Status
24.0.0.0/16	Associated

IPv6 CIDRs

Info

CIDR	Pool	Status
You have no IPv6 CIDR blocks associated with your VPC.		

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Internet gateways (1/1)

Info

Actions

Create internet gateway

Filter internet gateways

< 1 >

	Name	Internet gateway ID	State	VPC ID	Owner
<input checked="" type="checkbox"/>	-	igw-1b9d8873	Attached	vpc-b7b6dddc	935423687278

igw-1b9d8873

Details

Tags

Details

Internet gateway ID	State	VPC ID	Owner
igw-1b9d8873	Attached	vpc-b7b6dddc	935423687278

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Create internet gateway [Info](#)

An internet gateway is a virtual router that connects a VPC to the internet. To create a new internet gateway specify the name for the gateway below.

Internet gateway settings

Name tag

Creates a tag with a key of 'Name' and a value that you specify.

Tags - optional

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key



Value - optional



You can add 49 more tags.



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Select a VPC

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REACHABILITY

Reachability Analyzer

The following internet gateway was created: igw-02af15cf4f122f186 . You can now attach to a VPC to enable the VPC to communicate with the internet.

Attach to a VPC

VPC > Internet gateways > igw-02af15cf4f122f186

igw-02af15cf4f122f186 / maazigw

Actions

Details

Info

Internet gateway ID	State	VPC ID	Owner
igw-02af15cf4f122f186	Detached	-	935423687278

Tags

Manage tags

Search tags

< 1 > ⚙

Key	Value
Name	maazigw

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Attach to VPC (igw-02af15cf4f122f186) [Info](#)

VPC

Attach an internet gateway to a VPC to enable the VPC to communicate with the internet. Specify the VPC to attach below.

Available VPCs

Attach the internet gateway to this VPC.

Q vpc-06c3daf54132cab34 X

► AWS Command Line Interface command

Cancel

Attach Internet gateway

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VPC

VPC ID

Create subnets in this VPC.

vpc-06c3daf54132cab34 (maazvpc)

Associated VPC CIDRs

IPv4 CIDRs

24.0.0.0/16

Subnet settings

Specify the CIDR blocks and Availability Zone for the subnet.

Subnet 1 of 1

Subnet name

Create a tag with a key of 'Name' and a value that you specify.

subnet1

The name can be up to 256 characters long.

Availability Zone

Info

Choose the zone in which your subnet will reside, or let Amazon choose one for you.

No preference

IPv4 CIDR block

Info

24.0.0.0/24

Tags - optional

Key

Q Name

X

Value - optional

Q subnet1

X

Remove

Add new tag

You can add 49 more tags.

Remove

Add new subnet

Cancel

Create subnet

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REACHABILITY

Reachability Analyzer

You have successfully created 1 subnet: subnet-08d1b50252edbc423

Subnets (1/1)

Info

Filter subnets

Subnet ID: subnet-08d1b50252edbc423

Clear filters

	Name	Subnet ID	State	VPC	IPv4 CIDR	Available IPv4
<input checked="" type="checkbox"/>	subnet1	subnet-08d1b50252edbc423	Available	vpc-06c3daf54132cab34 ma...	24.0.0.0/24	251

subnet-08d1b50252edbc423 / subnet1

Details

Flow logs

Route table

Network ACL

CIDR reservations

Sharing

Tags

Details

Subnet ID

subnet-08d1b50252edbc423

Subnet ARN

arn:aws:ec2:us-east-2:935423687278:subnet/subnet-08d1b50252edbc423

State

Available

IPv4 CIDR

24.0.0.0/24

Available IPv4 addresses

251

Availability Zone

us-east-2b

Availability Zone ID

use2-az2

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[VPC](#) > [Subnets](#) > [subnet-08d1b50252edbc423](#) > Modify auto-assign IP settings

Modify auto-assign IP settings [Info](#)

Enable the auto-assign IP address setting to automatically request a public IPv4 or IPv6 address for a new network interface in this subnet.

Settings

Subnet ID

 subnet-08d1b50252edbc423

Auto-assign IPv4 [Info](#)

☒ Enable auto-assign public IPv4 address

Auto-assign customer-owned IPv4 address [Info](#)

☐ Enable auto-assign customer-owned IPv4 address
Option disabled because no customer owned pools found.

[Cancel](#)[Save](#)

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Subnets | VPC Management Con

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Subnets (1/4) Info

Filter subnets

	Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR	Available IPv4
<input type="checkbox"/>	–	subnet-5a549d27	Available	vpc-b7b6dddc	172.31.16.0/20	–	4091
<input type="checkbox"/>	–	subnet-c130008d	Available	vpc-b7b6dddc	172.31.32.0/20	–	4091
<input checked="" type="checkbox"/>	subnet1	subnet-08d1b50252edbc423	Available	vpc-06c3daf54132cab34 ma...	24.0.0.0/24	–	251
<input type="checkbox"/>	–	subnet-d47ae9bf	Available	vpc-b7b6dddc	172.31.0.0/20	–	4090

subnet-08d1b50252edbc423 / subnet1

DetailsFlow logsRoute tableNetwork ACLCIDR reservationsSharingTags

Details

Subnet ID	Subnet ARN	State	IPv4 CIDR
subnet-08d1b50252edbc423	arn:aws:ec2:us-east-2:935423687278:subnet/subnet-08d1b50252edbc423	Available	24.0.0.0/24
Available IPv4 addresses	Availability Zone	Availability Zone ID	

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Route tables | VPC Management x

Your Repositories x

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Route tables (2) [Info](#)

🔄 Actions ▾ Create route table

🔍 Filter route tables

< 1 > ⚙️

<input type="checkbox"/>	Name ▾	Route table ID ▾	Explicit subnet associat... ▾	Edge associations ▾	Main ▾	VPC ▾	Owner ID ▾
<input type="checkbox"/>	–	rtb-1ca69677	–	–	Yes	vpc-b7b6dddc	935423687278
<input type="checkbox"/>	–	rtb-055685cfad96614b5	–	–	Yes	vpc-06c3daf54132cab34 ma...	935423687278

Select a route table

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VPC Management Console

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us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#RouteTableDetails:RouteTableId=rtb-079dc8d22593384c4

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SECURITY

Route table rtb-079dc8d22593384c4 | maazroute was created successfully.

VPC > Route tables > rtb-079dc8d22593384c4

rtb-079dc8d22593384c4 / maazroute

You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer

Actions

- Set main route table
- Edit subnet associations
- Edit edge associations
- Edit route propagation
- Edit routes
- Manage tags
- Delete

Details Info

Route table ID	Main	Explicit subnet associations	Edge associations
rtb-079dc8d22593384c4	No	-	-
VPC	Owner ID		
vpc-06c3daf54132cab34 maazvpc	935423687278		

Routes

Subnet associations

Edge associations

Route propagation

Tags

Routes (1)

Filter routes

Both

Edit routes

1

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Route table rtb-079dc8d22593384c4 | maazroute was created successfully.

VPC > Route tables > rtb-079dc8d22593384c4

rtb-079dc8d22593384c4 / maazroute

You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer

Details info

Route table ID
rtb-079dc8d22593384c4

VPC
vpc-06c3daf54132cab34 | maazvpc

Main
No

Owner
935

Routes

Subnet associations

Edge associations

Route propagation

Tags

Routes (1)

Filter routes

Both

Edit routes

Set main route table

Main route table controls the routing for all subnets that are not explicitly associated with any other route table. Are you sure you want to set this route table as the main route table?

- rtb-079dc8d22593384c4 / maazroute

To confirm setting, type set in the field.

set

Cancel OK

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📘 You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer

✕

Details Info

Route table ID
📄 rtb-079dc8d22593384c4

VPC
vpc-06c3daf54132cab34 | maazvpc

Main
📄 Yes

Owner ID
📄 935423687278

Explicit subnet associations
–

Edge associations
–

Routes

Subnet associations

Edge associations

Route propagation

Tags

Routes (1)

🔍 Filter routes

Both ▾

⏪ 1 ⏩ ⚙️

Destination	Target	Status	Propagated
24.0.0.0/16	local	🟢 Active	No

Edit routes

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VPC > Route tables > rtb-079dc8d22593384c4 > Edit routes

Edit routes

Destination	Target	Status	Propagated
24.0.0.0/16	<div>🔍 local</div>	🟢 Active	No
<div>🔍 0.0.0.0/0</div>	<div>🔍</div> <div>Egress Only Internet Gateway</div> <div>Gateway Load Balancer Endpoint</div> <div>Instance</div> <div>Internet Gateway</div> <div>local</div> <div>NAT Gateway</div> <div>Network Interface</div> <div>Outpost Local Gateway</div> <div>Peering Connection</div> <div>Transit Gateway</div> <div>Virtual Private Gateway</div>	-	No

Add route

Cancel Preview Save changes

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VPC > Route tables > rtb-079dc8d22593384c4 > Edit routes

Edit routes

Destination	Target	Status	Propagated
24.0.0.0/16	<div><div>🔍</div><div>local</div><div>✕</div></div>	🟢 Active	No
<div><div>🔍</div><div>0.0.0.0/0</div><div>✕</div></div>	<div><div>🔍</div><div>igw-02af15cf4f122f186</div><div>✕</div></div>	-	No <div>Remove</div>

Add route

Cancel

Preview

Save changes

Feedback

English (US) ▾

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Assignment Submission Form | E

VPC Management Console

Your Repositories

us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#RouteTableDetails:RouteTableId=rtb-079dc8d22593384c4

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New VPC Experience

Tell us what you think

VPC Dashboard

EC2 Global View New

Filter by VPC:

Select a VPC

VIRTUAL PRIVATE CLOUD

Your VPCs

Subnets

Route Tables New

Internet Gateways

Egress Only Internet Gateways

DHCP Options Sets

Elastic IPs

Managed Prefix Lists

Endpoints

Endpoint Services New

NAT Gateways

Peering Connections New

SECURITY

Updated routes for rtb-079dc8d22593384c4 / maazroute successfully

Details

You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer

DetailsInfo

Route table ID

rtb-079dc8d22593384c4

Main

Yes

Explicit subnet associations

–

Edge associations

–

VPC

vpc-06c3daf54132cab34 | maazvpc

Owner ID

935423687278

Routes

Subnet associations

Edge associations

Route propagation

Tags

Routes (2)

Filter routes

Both

Edit routes

Destination	Target	Status	Propagated
24.0.0.0/16	local	Active	No
0.0.0.0/0	igw-02af15cf4f122f186	Active	No

FeedbackEnglish (US)

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New VPC Experience Tell us what you think

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NAT Gateways

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Connections New

SECURITY

Search results for 'ec2'

Services (7) See all 7 results ▶

Features (35)

Documentation (233,625)

Knowledge Articles (30)

Marketplace (1,344)

EC2 Virtual Servers in the Cloud

Top features

Dashboard Launch templates Instances Spot Instance requests Savings plans

EC2 Image Builder A managed service to automate build, customize and deploy OS images

EC2 Global View EC2 Global View provides a global dashboard and search functionality that lets you fi...

AWS Compute Optimizer Recommend optimal AWS Compute resources for your workloads

Features (35) See all 35 results ▶

Export snapshots to EC2

Lightsail feature

Dashboard

EC2 features

Run Reachability Analyzer

Edge associations

Edit routes

Propagated

No

No

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

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Instances | EC2 Management Co

Your Repositories

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

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EC2 DashboardEventsTagsLimits

InstancesInstances NewInstance TypesLaunch TemplatesSpot RequestsSavings PlansReserved Instances NewDedicated HostsCapacity Reservations

ImagesAMIs

Elastic Block StoreVolumesSnapshotsLifecycle Manager New

Instances (1/1) Info

Filter instances

Instance state: runningClear filters

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4
<input checked="" type="checkbox"/>	Maazserver	i-0173ee5b2a851ad01	Running	t2.micro	2/2 checks passed	No alarms	us-east-2a	ec2-18-116-13-247.us-...	18.116.13.2

Instance: i-0173ee5b2a851ad01 (Maazserver)

DetailsSecurityNetworkingStorageStatus checksMonitoringTags

Instance summary Info

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0173ee5b2a851ad01 (Maazserver)	18.116.13.247 open address	172.31.10.56
IPv6 address	Instance state	Public IPv4 DNS
–	Running	ec2-18-116-13-247.us-east-2.compute.amazonaws.com open address
Private IPv4 DNS	Instance type	Elastic IP addresses

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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"

Search by Systems Manager parameter

1 to 44 of 44 AMIs

Quick Start	
My AMIs	
AWS Marketplace	
Community AMIs	
<input type="checkbox"/> 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 <input checked="" type="radio"/> 64-bit (x86) <input type="radio"/> 64-bit (Arm)
	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 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)
	macOS Mojave 10.14.6 - ami-06967ca7d3da3f26d Select

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Support

1. Choose AMI

2. Choose Instance Type

3. Configure Instance

4. Add Storage

5. Add Tags

6. Configure Security Group

7. 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-06c3daf54132cab34 | maazvpc

Create new VPC

Subnet

subnet-08d1b50252edbc423 | subnet1 | us-east-2b

Create new subnet

251 IP Addresses available

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

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

Cancel

Previous

Review and Launch

Next: Add Storage

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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	<input type="text" value="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.





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

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 	Network Interfaces 	
<input type="text" value="Name"/>	<input type="text" value="Maazserver1"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Add another tag

(Up to 50 tags maximum)

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 <small>i</small>	Protocol <small>i</small>	Port Range <small>i</small>	Source <small>i</small>	Description <small>i</small>
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 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	<input type="text" value="8"/>	General Purpose SSD (gp2) ▾	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted ▾	
EBS ▾	/dev/sdb ▾	<input type="text" value="Search (case-insensit"/>	<input type="text" value="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.

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

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, maazsecurity1, 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

Free tier eligible

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

Amazon Linux 2 comes with five years support. It provides Linux kernels of the Amazon Linux AMI that is a...

Root Device Type: ebsVirtualization type: hvm

Edit AMI

▼ Instance Type

Instance Type	ECUs	vCPUs	Memory (GiB)
t2.micro	-	1	1

Edit instance type

▼ Security Groups

Security group name

maazsecurity1

Description

To prevent intruder

Type	Protocol
All traffic	All
All traffic	All

Edit security groups

▼ Instance Details

Number of instances

1

Purchasing option

On demand

Edit instance details

Cancel

Previous

Launch

Select an existing key pair or create a new key pair

A key pair consists of a **public key** that AWS stores, and a **private key** file that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance. Amazon EC2 supports ED25519 and RSA key pair types.

Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about [removing existing key pairs from a public AMI](#).

Create a new key pair

Key pair type

☒ RSA ☐ ED25519

Key pair name

maazkey1

Download Key Pair

...

You have to download the **private key** file (*.pem file) before you can continue. Store it in a secure and accessible location. You will not be able to download the file again after it's created.

Cancel

Launch Instances

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Launch Status



Your instances are now launching

The following instance launches have been initiated: [i-04ce03fa22611a719](#) [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](#)
- [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](#)