New EC2 Experience
Tell us what you think

Instances (1) Info

Connect | Instance state ▾ | Actions ▾ | **Launch instances** ▾

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Q Find instance by attribute or tag (case-sensitive)

	Name	Instance ID	Instance state ▾	Instance type ▾	Status check	Alarm status	Availability Zone ▾	Public IPv4 DNS ▾	Public IPv4 ... ▾	Elastic IP ▾	IPv6 IPs ▾	Monitoring ▾	Security group name ▾	Key name ▾	Launch time ▾
☐	Module-1: EBS Assignment	i-04f4f20938c38cc1c	⊘ Running ⊕⊖	t2.micro	⊘ 2/2 checks passed	No alarms ⊕	us-east-1a	ec2-54-163-109-153.co...	54.163.109.153	–	–	disabled	launch-wizard-7	VM1-KeyPair	2023/07/31 21:44 GMT+5:30 **Step 1**

Select an instance

EC2 > Instances > Launch an instance

Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags Info
Give a name for your ec2 instance

Name

| Module-2: EC2 Assignment | | Add additional tags |

▼ Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

🔍 Search our full catalog including 1000s of application and OS images

Select OS Image

Recents   **Quick Start**

| Amazon Linux | macOS | Ubuntu | Windows | Red Hat | SUSE Li |
| aws | Mac | ubuntu | Microsoft | Red Hat | SUS |

🔍 Browse more AMIs
Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Ubuntu Server 22.04 LTS (HVM), SSD Volume Type   Free tier eligible
ami-053b0d53c279acc90 (64-bit (x86)) / ami-0a0c8eebcdd6dcbd0 (64-bit (Arm))
Virtualization: hvm   ENA enabled: true   Root device type: ebs

Description
Canonical, Ubuntu, 22.04 LTS, amd64 jammy image build on 2023-05-16

Architecture
| 64-bit (x86) ▾ |

AMI ID
ami-053b0d53c279acc90   [Verified provider]

▼ Instance type Info
Select a instance type

Instance type

t2.micro   Free tier eligible
Family: t2   1 vCPU   1 GiB Memory   Current generation: true
On-Demand Windows pricing: 0.0162 USD per Hour
On-Demand SUSE pricing: 0.0116 USD per Hour
On-Demand RHEL pricing: 0.0716 USD per Hour
On-Demand Linux pricing: 0.0116 USD per Hour

⚪ All generations

Compare instance types

▼ Key pair (login) Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Summary

Number of instances Info

| 1 |

Software Image (AMI)
Canonical, Ubuntu, 22.04 LTS, ...read more
ami-053b0d53c279acc90

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

ⓘ **Free tier:** In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet. ✕

Cancel   **Launch instance**

Review commands

▼ **Key pair (login)** Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - *required*

| VM1-KeyPair ▾ |

↻ Create new key pair

Select a key pair

▼ **Network settings** Info

VPC - *required* Info

| vpc-0f8d9ec6217da1ac4 (default) ▾ |
| 172.31.0.0/16 |

↻

Subnet Info

| subnet-0866bde04a013ef40 ▾ |
| VPC: vpc-0f8d9ec6217da1ac4 Owner: 387995772593 Availability Zone: us-east-1a |
| IP addresses available: 4090 CIDR: 172.31.32.0/20 |

↻ Create new subnet 🗗

Auto-assign public IP Info

| Enable ▾ |

Firewall (security groups) Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

| ● **Create security group** | ○ Select existing security group |

Security group name - *required*

| launch-wizard-8 |

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and ._-:/()#,@[]+=&;{}!$*

Description - *required* Info

| launch-wizard-8 created 2023-07-31T17:28:40.345Z |

Inbound Security Group Rules

▼ Security group rule 1 (TCP, 22, 0.0.0.0/0) | Remove |

| **Type** Info | **Protocol** Info | **Port range** Info |
| ssh ▾ | TCP | 22 |

Source type Info	**Source** Info	**Description** - *optional* Info
Anywhere ▾	🔍 Add CIDR, prefix list or security	e.g. SSH for admin desktop
	0.0.0.0/0 ✕ ::/0 ✕	

⚠ 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. ✕

| Add security group rule |

▶ Advanced network configuration

▶ **Configure storage** Info   Advanced

▼ **Summary**

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Canonical, Ubuntu, 22.04 LTS, ...read more
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| Cancel | **Launch instance** |

Review commands

Now Click on it.

Instances (1/2) Info

Click on it. → | Connect | Instance state ▼ | Actions ▼ | **Launch instances** ▼

Q Find instance by attribute or tag (case-sensitive)

< 1 > ⚙

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP	IPv6 IPs	Monitoring	Security group name	Key name	Launch time
☑	Module-2: EC2 Assignment	i-0a06441820e50fbce	⊘ Running	t2.micro	⊙ Initializing	No alarms ⊕	us-east-1a	ec2-3-94-4-58.compute...	3.94.4.58	–	–	disabled	launch-wizard-8	VM1-KeyPair	2023/07/31 23:07 GMT+5:30
☐	Module-1: EC2 Assignment	i-04f4f20938c38cc1c	⊘ Running	t2.micro	⊘ 2/2 checks passed	No alarms ⊕	us-east-1a	ec2-54-163-109-153.co...	54.163.109.153	–	–	disabled	launch-wizard-7	VM1-KeyPair	2023/07/31 21:44 GMT+5:30

Select the ec2 instance

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Instance: i-0a06441820e50fbce (Module-2: EC2 Assignment)

Details | Security | Networking | Storage | Status checks | Monitoring | Tags

▼ Instance summary Info

Instance ID
☐ i-0a06441820e50fbce (Module-2: EC2 Assignment)

Public IPv4 address
☐ 3.94.4.58 | open address ↗

Private IPv4 addresses
☐ 172.31.42.213

IPv6 address
–

Instance state
⊘ Running

Public IPv4 DNS
☐ ec2-3-94-4-58.compute-1.amazonaws.com | open address ↗

Hostname type
IP name: ip-172-31-42-213.ec2.internal

Private IP DNS name (IPv4 only)
☐ ip-172-31-42-213.ec2.internal

Elastic IP addresses
–

Answer private resource DNS name
–

Instance type
t2.micro

Auto-assigned IP address
–

VPC ID
–

AWS Compute Optimizer finding

CloudShell | Feedback | Language

EC2 > Security Groups > sg-0fec841325b575592 - launch-wizard-8 > Edit inbound rules

Edit inbound rules Info

Inbound rules control the incoming traffic that's allowed to reach the instance.

Inbound rules Info

Security group rule ID	Type Info	Protocol Info	Port range Info	Source Info		Description - optional Info	
sgr-0ae35329729de76a0	SSH ▾	TCP	22	Custom ▾	🔍		Delete
					0.0.0.0/0 ✕		
–	HTTP ▾	TCP	80	Anywhere-IPv4 ▾	🔍		Delete
					0.0.0.0/0 ✕		

Add rule

↑ (arrow annotation)

Also add inbound rule

Cancel   Preview changes   Save rules

```
ubuntu@ip-172-31-42-213:~$ history
    1  sudo apt update
    2  clear
    3  sudo apt install nginx
    4  sudo service nginx start
    5  echo "Hello World" | sudo tee /var/www/html/index.html
    6  clear
    7  history
ubuntu@ip-172-31-42-213:~$ []
```

←   Run these commands

Hello World