

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/roles

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aws

ec2

IAM

Identity and Access Management

Dashboard

Access manager

Roles

Policies

Identity provider

Account settings

Root access

Access reports

Access analyzer

Settings

Credential reports

Organization

Service control policies

Services

Features

Resources

Documentation

Knowledge articles

Marketplace

Blog posts

Events

Tutorials

Services

EC2

Virtual Servers in the Cloud

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 ...

Features

Dashboard

EC2 feature

AMIs

EC2 feature

EC2 Instances

CloudWatch feature

Were these results helpful?

Yes

No

Resources

/ for a focused search

Global

Modestus Madu

Roles can be assumed by entities that you trust.

1

Trusted entities

Creation time

Last activity

organization...

AWS Service: organizations (Service-

2 days ago

-

amazon...

AWS Service: sso (Service-Linked Rol

2 days ago

2 hours ago

port.ama...

AWS Service: support (Service-Linker

6 days ago

-

tedadvis...

AWS Service: trustedadvisor (Service

6 days ago

-

AWS Service: ec2

2 minutes ago

-

Manage

Temporary credentials

Use temporary credentials with ease and benefit from the enhanced security they provide.

Use AWS Certificate authenticate

CloudShell

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AMI Catalog

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Network & Security

Compute

Amazon Elastic Compute Cloud (EC2)

Create, manage, and monitor virtual servers in the cloud.

Amazon Elastic Compute Cloud (Amazon EC2) offers the broadest and deepest compute platform, with over 600 instance types and a choice of the latest processors, storage, networking, operating systems, and purchase models to help you best match the needs of your workload.

Launch a virtual server

To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

Launch instance

View dashboard

Benefits and features

EC2 offers ultimate scalability and control

Fully resizable compute capacity to support virtually any workload. This service is best if you want:

Highest level of control of the entire technology stack, allowing full integration with all AWS services

Widest variety of server size options

Widest availability of operating systems to choose from including Linux, Windows, and macOS

Global scalability

Get started

Take our walkthroughs to help you launch an instance, learn about EC2 best practices, and set up your account.

Get started walkthroughs

Get started tutorial

CloudShell

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skIAM Roles and Instance Profiles

skLab 1: Working with AWS IAM

skLab 2: Create CloudWatch Billing

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EC2>Instances>Launch an instance

Launch an instance

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

Name

Linux-Server

Add additional tags

Application and OS Images (Amazon Machine Image)

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

Quick Start

Amazon Linux

macOS

Ubuntu

Windows

Red Hat

SUSE Linux

Debian

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Amazon Linux 2023 AMI

Free tier eligible

Summary

Number of instances

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.7.2...read more

ami-00a929b66ed6e0de6

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 of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where t2.micro isn't available) when used with free tier AMIs, 750 hours per month of public IPv4 address usage, 30 GiB of EBS storage, 2 million I/Os, 1

Cancel

Launch instance

Preview code

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EC2 > Instances > Launch an instance

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

Select

Create new key pair

Network settings Info

Network Info

vpc-003d6cf7c7de820a5

Subnet Info

No preference (Default subnet in any availability zone)

Auto-assign public IP Info

Enable

Additional charges apply when outside of free tier allowance

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

We'll create a new security group called 'launch-wizard-1' with the following rules:

Allow SSH traffic from

Helps you connect to your instance

Anywhere

0.0.0.0/0

Allow HTTPS traffic from the internet

Summary

Number of instances Info

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Amazon Linux 2023 AMI 2023.7.2...read more

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EC2 > Instances > Launch an instance

Key pair (login)

Info

You can use a key pair to securely connect to your instance. Ensure that you have the private key file handy when you launch your instance.

Key pair name - required

Select

Network settings

Info

Network

Info

vpc-003d6cf7c7de820a5

Subnet

Info

No preference (Default subnet in any availability zone)

Auto-assign public IP

Info

Enable

Additional charges apply when outside of free tier allowance

Firewall (security groups)

Info

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

Create security group

Select existing security group

We'll create a new security group called 'launch-wizard-1' with the following rules:

Allow SSH traffic from

Helps you connect to your instance

Anywhere

0.0.0.0/0

Allow HTTPS traffic from the internet

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Cancel

Launch instance

Preview code

Create key pair

Key pair name

Key pairs allow you to connect to your instance securely.

Linux-Server-key

The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type

☒ RSA

RSA encrypted private and public key pair

☐ ED25519

ED25519 encrypted private and public key pair

Private key file format

☒ .pem

For use with OpenSSH

☐ .ppk

For use with PuTTY

⚠ When prompted, store the private key in a secure and accessible location on your computer. You will need it later to connect to your instance. [Learn more](#)

Cancel

Create key pair

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Lab 2: Create CloudWatch Billing

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Allow HTTP traffic from the internet

To set up an endpoint, for example when creating a web server

⚠️

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.

×

▼

Configure storage

Info

Advanced

1x GiB Root volume, 3000 IOPS, Not encrypted

📘

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

×

Add new volume

🕒

Click refresh to view backup information

The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

↺

0 x File systems

Edit

▶

Advanced details

Info

▼

Summary

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Advanced details

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Domain join directory

Info

Select

▼

↺

Create new directory

↗

IAM instance profile

Info

EC2Full-Access

arn:aws:iam::456276248409:instance-profile/EC2Full-Access

▼

↺

Create new IAM profile

↗

Hostname type

Info

IP name

▼

DNS Hostname

Info

- ☒ Enable IP name IPv4 (A record) DNS requests
- ☒ Enable resource-based IPv4 (A record) DNS requests
- ☐ Enable resource-based IPv6 (AAAA record) DNS requests

Instance auto-recovery

Info

Select

▼

Shutdown behavior

Info

Stop

▼

Stop - Hibernate behavior

Info

Select

▼

Termination protection

Info

Select

▼

Stop protection

Info

Select

▼

▼

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Cancel

Launch instance

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🏠 IAM

☰

EC2 > Instances > Launch an instance

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✔️ **Success**
Successfully initiated launch of instance [\(i-0d309672d1f0eda85\)](#)

▶ **Launch log**

Next Steps

🔍 What would you like to do next with this instance, for example "create alarm" or "create backup"

< 1 2 3 4 5 6 >

Create billing and free tier usage alerts
To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.
[Create billing alerts](#) 🔗

Connect to your instance
Once your instance is running, log into it from your local computer.
[Connect to instance](#) 🔗
[Learn more](#) 🔗

Connect an RDS database
Configure the connection between an EC2 instance and a database to allow traffic flow between them.
[Connect an RDS database](#) 🔗
[Create a new RDS database](#) 🔗
[Learn more](#) 🔗

Create EBS snapshot policy
Create a policy that automates the creation, retention, and deletion of EBS snapshots
[Create EBS snapshot policy](#) 🔗

Manage detailed monitoring
Enable or disable detailed monitoring for the instance. If you enable detailed monitoring, the Amazon EC2

Create Load Balancer
Create a application, network gateway or classic Elastic Load Balancer

Create AWS budget
AWS Budgets allows you to create budgets, forecast spend, and take action on your costs and usage from a

Manage CloudWatch alarms
Create or update Amazon CloudWatch alarms for the instance.

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