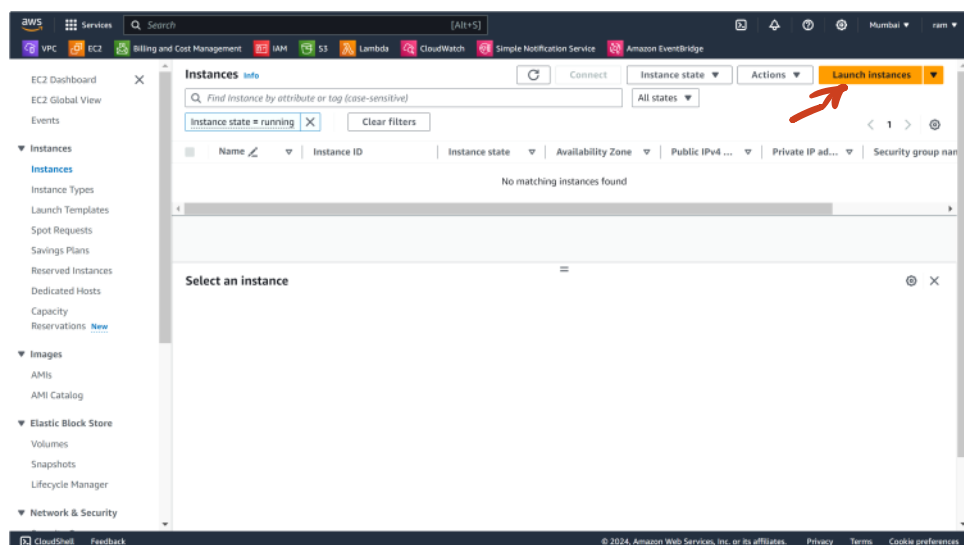
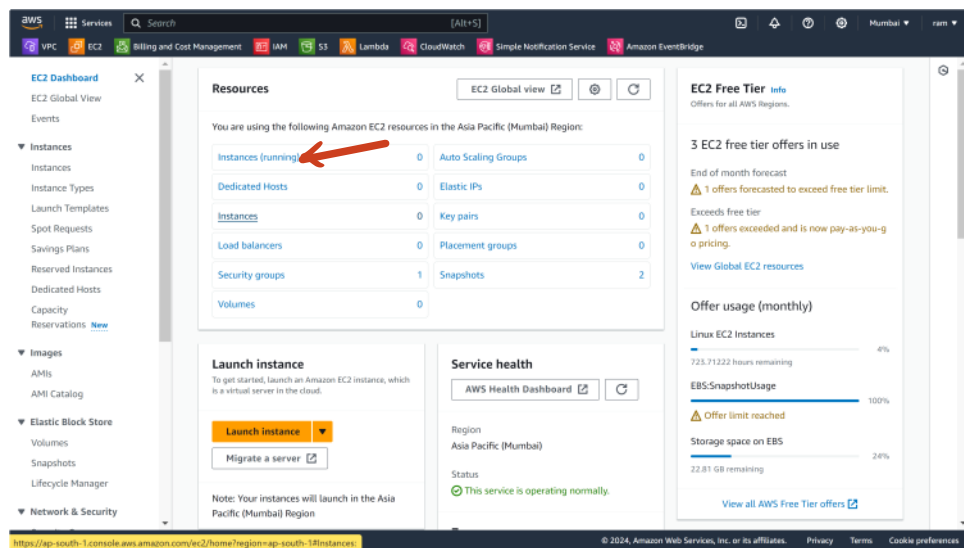
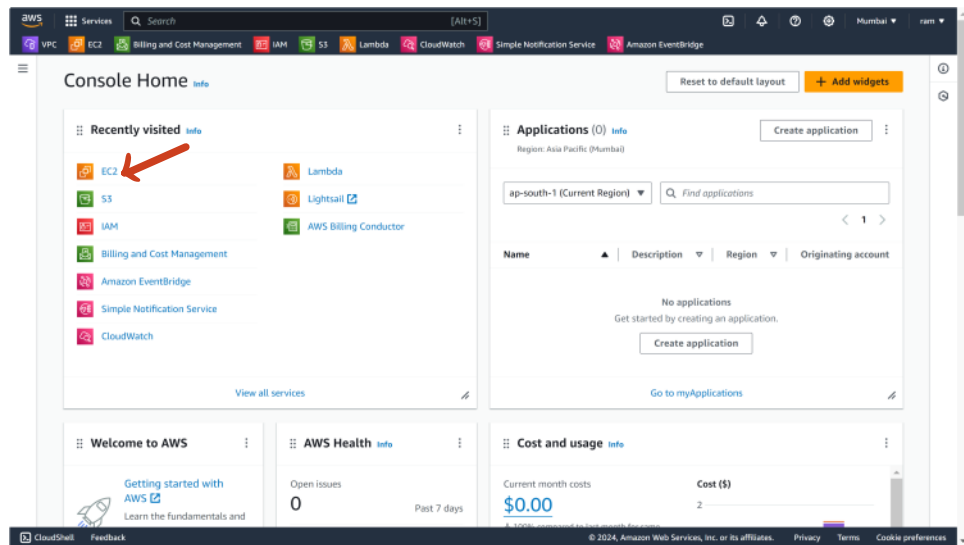


# ELASTIC-IP

17 May 2024 12:38



## 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](#)

Name

vm1

[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

Recents

Quick Start



[Browse more AMIs](#)  
Including AMIs from AWS, Marketplace and the Community

#### Amazon Machine Image (AMI)

Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type

ami-0e4fd655fb4e26c30 (64-bit (x86)) / ami-086b081a0a47b5e99 (64-bit (Arm))

Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible

#### Description

Amazon Linux 2 Kernel 5.10 AMI 2.0.20240503.0 x86\_64 HVM gp2

Architecture

64-bit (x86)

AMI ID

ami-0e4fd655fb4e26c30

Verified provider

### ▼ Instance type [Info](#) | [Get advice](#)

#### Instance type

t2.micro

Free tier eligible

Family: t2 1 vCPU 1 GiB Memory Current generation: true  
On-Demand Linux base pricing: 0.0124 USD per Hour  
On-Demand Windows base pricing: 0.017 USD per Hour  
On-Demand RHEL base pricing: 0.0724 USD per Hour  
On-Demand SUSE base pricing: 0.0124 USD per Hour

☐ All generations

[Compare instance types](#)

Additional costs apply for AMIs with pre-installed software

### ▼ 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](#)

## Create key pair



### Key pair name

Key pairs allow you to connect to your instance securely.

vm-1

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

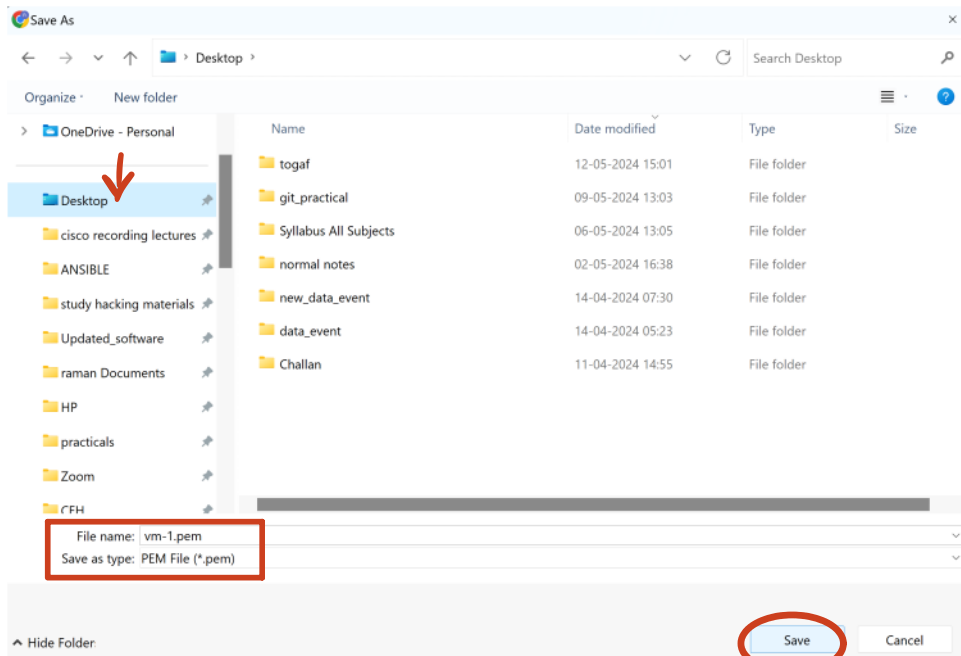
For use with PuTTY



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



### 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

vm-1

[Create new key pair](#)

vm-1

[Create new key pair](#)

## ▼ Network settings [Info](#)

[Edit](#)

### Network [Info](#)

vpc-033ca4486d55d848b

### 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

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

☐ 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.**

## ▼ Network settings [Info](#)

### VPC - required [Info](#)

vpc-033ca4486d55d848b

(default)

172.31.0.0/16

### Subnet [Info](#)

No preference

Q

No preference

subnet-024b01ae8779880cb

VPC: vpc-033ca4486d55d848b Owner: 211125739636 Availability Zone: ap-south-1a  
IP addresses available: 4091 CIDR: 172.31.32

subnet-04120fbc15521dd5c

VPC: vpc-033ca4486d55d848b Owner: 211125739636 Availability Zone: ap-south-1c  
IP addresses available: 4091 CIDR: 172.31.16.0/20

subnet-0901d56e09a638830

VPC: vpc-033ca4486d55d848b Owner: 211125739636 Availability Zone: ap-south-1b  
IP addresses available: 4091 CIDR: 172.31.0.0/20

### Auto-assign public IP [Info](#)

Enable

Enable

Disable

### 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

### Common security groups [Info](#)

Select security groups

[Compare security](#)

**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

**Common security groups** [Info](#)

Select security groups

☒ default sg-08701733a6f292197  
 VPC: vpc-033ca4486d55d848b

▼ **Network settings** [Info](#)

**VPC - required** [Info](#)

vpc-033ca4486d55d848b (default)

**Subnet** [Info](#)

subnet-024b01ae8779880cb  
 VPC: vpc-033ca4486d55d848b Owner: 211125739636  
 Availability Zone: ap-south-1a IP addresses available: 4091 CIDR: 172.31.32.0/20

**Auto-assign public IP** [Info](#)

Disable

**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

**Common security groups** [Info](#)

Select security groups

default sg-08701733a6f292197 X  
 VPC: vpc-033ca4486d55d848b

Security groups that you add or remove here will be added to or removed from all your network interfaces.

☐ Create security group
 ☒ Select existing security group

**Common security groups** [Info](#)

Select security groups

default sg-08701733a6f292197 X  
 VPC: vpc-033ca4486d55d848b

▼ **Configure storage** [Info](#) [Advanced](#)

1x 8 GiB gp3 Root volume (Not encrypted)

0 x File systems [Edit](#)

▼ **Advanced details** [Info](#)

▼ **Summary**

Number of instances [Info](#)

1

Software Image (AMI)  
 Amazon Linux 2023 AMI 2023.4.2...[read more](#)  
 ami-0cc9838aa7ab1dce7

Virtual server type (instance type)  
 t2.micro

Firewall (security group)  
 default

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

EC2 > Instances > Launch an instance

**Success**  
Successfully initiated launch of instance (i-0442a258d38997b66)

Launch log

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

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 console displays monitoring metrics with a 1-minute interval.

Create Load Balancer  
Create an application, network gateway or classic Elastic Load Balancer.  
[Create Load Balancer](#)

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

Manage CloudWatch alarms  
Create or update Amazon CloudWatch alarms for the instance.  
[Manage CloudWatch alarms](#)

**Instances** info Refresh Connect Instance state Actions Launch instances

Find instance by attribute or tag (case-sensitive)

Instance state = running Clear filters

Name	Instance ID	Instance state	Availability Zone	Public IPv4 ...	Private IP ad...	Security group name	Key name
No matching instances found							

**Instances (1)** info Refresh Connect Instance state Actions Launch instances

Find instance by attribute or tag (case-sensitive)

Instance state = running Clear filters

Name	Instance ID	Instance state	Availability Zone	Public IPv4 ...	Private IP ad...	Security group name	Key name
vm1	i-0442a258d38997b66	Running	ap-south-1a	-	172.31.42.106	default	vm-1

**Instances (1/1)** info Refresh Connect Instance state Actions Launch instances

Find instance by attribute or tag (case-sensitive)

Instance state = running Clear filters

Name	Instance ID	Instance state	Availability Zone	Public IPv4 ...	Private IP ad...	Security group name	Key name
vm1	i-0442a258d38997b66	Running	ap-south-1a	-	172.31.42.106	default	vm-1

**i-0442a258d38997b66 (vm1)**

Details Status and alarms new Monitoring Security Networking Storage Tags

**Instance summary** info

Instance ID	i-0442a258d38997b66 (vm1)	Public IPv4 address	-	Private IPv4 addresses	172.31.42.106
IPv6 address	-	Instance state	Running	Public IPv4 DNS	-
Hostname type	IP name: ip-172-31-42-106.ap-south-1.compute.internal	Private IP DNS name (IPv4 only)	ip-172-31-42-106.ap-south-1.compute.internal	Elastic IP addresses	-
Answer private resource DNS name	-	Instance type	t2.micro	AWS Compute Optimizer finding	Opt-in to AWS Compute Optimizer for recommendations.   <a href="#">Learn more</a>
Auto-assigned IP address	-	VPC ID	vpc-053ca4486d55d848b	Auto Scaling Group name	-
IAM Role	-	Subnet ID	subnet-024b01ae8779880cb		

Spot requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations new

**Images** AMIs AMI Catalog

**Elastic Block Store** Volumes Snapshots Lifecycle Manager

**Network & Security** **Elastic IP** Subnets Internet Gateways VPCs Security Groups Network Interfaces

**Load Balancing** Load Balancers Target Groups Trust Stores new

**Auto Scaling** Auto Scaling Groups

**Instances (1/1)** info Refresh Connect Instance state Actions Launch instances

Find instance by attribute or tag (case-sensitive)

Instance state = running Clear filters

Name	Instance ID	Instance state	Availability Zone	Public IPv4 ...	Private IP ad...	Security group name	Key name
vm1	i-0442a258d38997b66	Running	ap-south-1a	-	172.31.42.106	default	vm-1

**i-0442a258d38997b66 (vm1)**

Details Status and alarms new Monitoring Security Networking Storage Tags

**Instance summary** info

Instance ID	i-0442a258d38997b66 (vm1)	Public IPv4 address	-	Private IPv4 addresses	172.31.42.106
IPv6 address	-	Instance state	Running	Public IPv4 DNS	-
Hostname type	IP name: ip-172-31-42-106.ap-south-1.compute.internal	Private IP DNS name (IPv4 only)	ip-172-31-42-106.ap-south-1.compute.internal	Elastic IP addresses	-
Answer private resource DNS name	-	Instance type	t2.micro	AWS Compute Optimizer finding	Opt-in to AWS Compute Optimizer for recommendations.   <a href="#">Learn more</a>
Auto-assigned IP address	-	VPC ID	vpc-053ca4486d55d848b	Auto Scaling Group name	-
IAM Role	-	Subnet ID	subnet-024b01ae8779880cb		

Elastic IP addresses

Find resources by attribute or tag

No Elastic IP addresses found in this Region

EC2 > Elastic IP addresses > Allocate Elastic IP address

## Allocate Elastic IP address [Info](#)

**Elastic IP address settings [Info](#)**

**Network border group [Info](#)**

ap-south-1

**Public IPv4 address pool**

- ☒ Amazon's pool of IPv4 addresses
- ☐ Public IPv4 address that you bring to your AWS account with BYOIP. (option disabled because no pools found) [Learn more](#)
- ☐ Customer-owned pool of IPv4 addresses created from your on-premises network for use with an Outpost. (option disabled because no customer owned pools found) [Learn more](#)

**Global static IP addresses**

AWS Global Accelerator can provide global static IP addresses that are announced worldwide using anycast from AWS edge locations. This can help improve the availability and latency for your user traffic by using the Amazon global network. [Learn more](#)

[Create accelerator](#)

**Network border group [Info](#)**

ap-south-1

**Public IPv4 address pool**

- ☒ Amazon's pool of IPv4 addresses
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**Global static IP addresses**

AWS Global Accelerator can provide global static IP addresses that are announced worldwide using anycast from AWS edge locations. This can help improve the availability and latency for your user traffic by using the Amazon global network. [Learn more](#)

[Create accelerator](#)

**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.

No tags associated with the resource.

[Add new tag](#)

You can add up to 50 more tag

[Cancel](#) [Allocate](#)

Elastic IP address allocated successfully.  
Elastic IP address 13.202.97.1

[Associate this Elastic IP address](#)

Elastic IP addresses (1)

[Find resources by attribute or tag](#)

[Actions](#) [Allocate Elastic IP address](#)

**Elastic IP address allocated successfully.**  
Elastic IP address 13.202.97.1

Associate this Elastic IP address

**Elastic IP addresses (1)**

Find resources by attribute or tag

Public IPv4 address: 13.202.97.1

Clear filters

Name	Allocated IPv4 address	Type	Allocation ID	Reverse DNS record	Associate
-	13.202.97.1	Public IP	eipalloc-0c4441f5d0435c7b4	-	-

**Elastic IP addresses (1/1)**

Find resources by attribute or tag

Public IPv4 address: 13.202.97.1

Clear filters

Name	Allocated IPv4 address	Type	Allocation ID	Reverse DNS record	Associate
-	13.202.97.1	Public IP	eipalloc-0c4441f5d0435c7b4	-	-

13.202.97.1

Summary Tags

**Summary**

Allocated IPv4 address 13.202.97.1	Type Public IP	Allocation ID eipalloc-0c4441f5d0435c7b4	Reverse DNS record -
Association ID -	Scope VPC	Associated instance ID -	Private IP address -
Network interface ID -	Network interface owner account ID -	Public DNS -	NAT Gateway ID -
Address pool Amazon	Network border group ap-south-1		

**Elastic IP addresses (1/1)**

Find resources by attribute or tag

Public IPv4 address: 13.202.97.1

Clear filters

Name	Allocated IPv4 address	Type	Allocation ID
-	13.202.97.1	Public IP	eipalloc-0c4441f5d0435c7b4

Actions

- View details
- Release Elastic IP addresses
- Associate Elastic IP address
- Disassociate Elastic IP address
- Update reverse DNS
- Enable transfers
- Disable transfers
- Accept transfers

EC2 > Elastic IP addresses > Associate Elastic IP address

**Associate Elastic IP address**

Choose the instance or network interface to associate to this Elastic IP address (13.202.97.1)

**Elastic IP address: 13.202.97.1**

**Resource type**  
Choose the type of resource with which to associate the Elastic IP address.

☒ Instance

☐ Network interface

**Instance**

Choose an instance

i-0442a258d38997b66 (vm1) - running

The private IP address with which to associate the Elastic IP address.

Choose a private IP address

**Reassociation**  
Specify whether the Elastic IP address can be reassociated with a different resource if it already associated with a resource.

☐ Allow this Elastic IP address to be reassociated

Cancel Associate



## Associate Elastic IP address [info](#)

Choose the instance or network interface to associate to this Elastic IP address (13.202.97.1)

**Elastic IP address: 13.202.97.1**

### Resource type

Choose the type of resource with which to associate the Elastic IP address.

☒ Instance

☐ Network interface

**⚠** If you associate an Elastic IP address with an instance that already has an Elastic IP address associated, the previously associated Elastic IP address will be disassociated, but the address will still be allocated to your account. [Learn more](#)

If no private IP address is specified, the Elastic IP address will be associated with the primary private IP address.

### Instance

### Private IP address

The private IP address with which to associate the Elastic IP address.

Specify whether the Elastic IP address can be reassigned with a different resource if it already associated with a resource.

☐ Allow this Elastic IP address to be reassigned

Cancel

Associate

## Associate Elastic IP address [info](#)

Choose the instance or network interface to associate to this Elastic IP address (13.202.97.1)

**Elastic IP address: 13.202.97.1**

### Resource type

Choose the type of resource with which to associate the Elastic IP address.

☒ Instance

☐ Network interface

**⚠** If you associate an Elastic IP address with an instance that already has an Elastic IP address associated, the previously associated Elastic IP address will be disassociated, but the address will still be allocated to your account. [Learn more](#)

If no private IP address is specified, the Elastic IP address will be associated with the primary private IP address.

### Instance

### Private IP address

The private IP address with which to associate the Elastic IP address.

### Reassociation

Specify whether the Elastic IP address can be reassigned with a different resource if it already associated with a resource.

☒ Allow this Elastic IP address to be reassigned

Cancel

Associate

✓ Elastic IP address associated successfully.  
Elastic IP address 13.202.97.1 has been associated with Instance i-0442a258d38997b66

Elastic IP addresses (1)

Find resources by attribute or tag

Public IPv4 address : 13.202.97.1

Clear filters

Name	Allocated IPv4 address	Type	Private IP address	Association ID	Network border
-	13.202.97.1	Public IP	172.31.42.106	eipassoc-0b720359bef89e311	ap-south-1

GO TO INSTANCE

Instances (1/1) info

Find Instance by attribute or tag (case-sensitive)

Instance state = running

Clear filters

Name	Instance ID	Instance state	Availability Zone	Public IPv4 ...	Private IP ad...	Security group name	Key name
vm1	i-0442a258d38997b66	Running	ap-south-1a	13.202.97.1	172.31.42.106	default	vm-1

Connect

Instance state

Actions

Launch instances

Stop instance

Start instance



Reboot instance

Terminate instance

### Terminate instance?

⚠ On an EBS-backed instance, the default action is for the root EBS volume to be deleted when the instance is terminated. Storage on any local drives will be lost.

Are you sure you want to terminate these instances?

Instance ID	Termination protection
 i-0442a258d38997b66 (vm1)	 Disabled

### Clean up associated resources

Associated resources may incur costs after these instances are terminated.

#### ► Release attached Elastic IPs

To confirm that you want to terminate the instances, choose the terminate button below. Instances with termination protection enabled will not be terminated. Terminating the instance cannot be undone.

Cancel Terminate

Successfully terminated i-0442a258d38997b66

Instances (1/1) info

Find Instance by attribute or tag (case-sensitive)

Instance state = running

Clear filters

Name	Instance ID	Instance state	Availability Zone	Public IPv4 ...	Private IP ad...	Security group name	Key name
vm1	i-0442a258d38997b66	Shutting-d...	ap-south-1a	13.202.97.1	172.31.42.106	default	vm-1

Successfully terminated i-0442a258d38997b66

Instances (1/1) info

Find Instance by attribute or tag (case-sensitive)

Instance state = running

Clear filters

No matching instances found