

Create bucket [Info](#)

Buckets are containers for data stored in S3.

General configuration

AWS Region
US East (N. Virginia) us-east-1

Bucket type [Info](#)

- ☒ **General purpose**
Recommended for most use cases and access patterns. General purpose buckets are the original S3 bucket type. They allow a mix of storage classes that redundantly store objects across multiple Availability Zones.
- ☐ **Directory**
Recommended for low-latency use cases. These buckets use only the S3 Express One Zone storage class, which provides faster processing of data within a single Availability Zone.

Bucket name [Info](#)

guvi-s3-abhi-mishra8056

Bucket names must be 3 to 63 characters and unique within the global namespace. Bucket names must also begin and end with a letter or number. Valid characters are a-z, 0-9, periods (.), and hyphens (-). [Learn More](#)

Copy settings from existing bucket - optional
Only the bucket settings in the following configuration are copied.

Choose bucket

Format: s3://bucket/prefix

Object Ownership [Info](#)

Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.

- ☒ **ACLs disabled (recommended)**
All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using only policies.
- ☐ **ACLs enabled**
Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.

Object Ownership
Bucket owner enforced

Block Public Access settings for this bucket

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to this bucket and its objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to this bucket or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

- ☒ **Block all public access**
Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.
- ☒ **Block public access to buckets and objects granted through new access control lists (ACLs)**
S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.
- ☒ **Block public access to buckets and objects granted through any access control lists (ACLs)**
S3 will ignore all ACLs that grant public access to buckets and objects.
- ☒ **Block public access to buckets and objects granted through new public bucket or access point policies**
S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.
- ☒ **Block public and cross-account access to buckets and objects through any public bucket or access point policies**
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

Bucket Versioning

Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#)

Tags - optional (0)

You can use bucket tags to track storage costs and organize buckets. [Learn more](#)

No tags associated with this bucket.

Add new tag

You can add up to 50 tags.

Default encryption [Info](#)

Server-side encryption is automatically applied to new objects stored in this bucket.

Encryption type [Info](#)

- ☒ **Server-side encryption with Amazon S3 managed keys (SSE-S3)**
- ☐ **Server-side encryption with AWS Key Management Service keys (SSE-KMS)**
- ☐ **Dual-layer server-side encryption with AWS Key Management Service keys (DSSE-KMS)**
Secure your objects with two separate layers of encryption. For details on pricing, see **DSSE-KMS pricing** on the **Storage** tab of the [Amazon S3 pricing page](#).

Bucket Key
Using an S3 Bucket Key for SSE-KMS reduces encryption costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSSE-KMS. [Learn more](#)

☐ Disable

☒ Enable

Advanced settings

After creating the bucket, you can upload files and folders to the bucket, and configure additional bucket settings.

General details

Edit

Trail logging
✔ Logging

Trail name
awstask5-trail

Multi-region trail
Yes

Apply trail to my organization
Not enabled

Trail log location
[guvi-s3-abhi-mishra8056/AWSLogs/567749996020](#) ↗

Last log file delivered
August 20, 2025, 02:44:53 (UTC-04:00)

Log file SSE-KMS encryption
Not enabled

Log file validation
Enabled

Last file validation delivered
August 20, 2025, 02:40:20 (UTC-04:00)

SNS notification delivery
Disabled

Last SNS notification
-

CloudWatch Logs

Edit

Log group
/aws/cloudtrail/awstask5

IAM Role
arn:aws:iam::567749996020:role/service-role/AWSCloudTrailFullAccess

No tags

No tags associated with this trail

Management events

Edit

API activity
All

Exclude AWS KMS events
No

Exclude Amazon RDS Data API events
No

Data events

Edit

Data events: S3
Log selector template
Log all events

Selector name
--

All events

Insights events

Edit

Insights events are not configured for this trail

Network activity events

Edit

Network activity event collection is not configured for this trail

Choose trail attributes

General details

A trail created in the console is a multi-region trail. [Learn more](#)

Trail name

Enter a display name for your trail.

guvi-s3-trail

3-128 characters. Only letters, numbers, periods, underscores, and dashes are allowed.

☐ Enable for all accounts in my organization

To review accounts in your organization, open AWS Organizations. [See all accounts](#)

Storage location | Info

☒ Create new S3 bucket

Create a bucket to store logs for the trail.

☐ Use existing S3 bucket

Choose an existing bucket to store logs for this trail.

Trail log bucket and folder

Enter a new S3 bucket name and folder (prefix) to store your logs. Bucket names must be globally unique.

aws-cloudtrail-logs-9896

Logs will be stored in aws-cloudtrail-logs-9896/AWSLogs/567749996020

Log file SSE-KMS encryption | Info

☒ Enabled

Customer managed AWS KMS key

☒ New

☐ Existing

AWS KMS alias

Enter KMS alias

KMS key and S3 bucket must be in the same region.

▼ Additional settings

Log file validation | Info

☒ Enabled

SNS notification delivery | Info

☐ Enabled

CloudWatch Logs - optional

Configure CloudWatch Logs to monitor your trail logs and notify you when specific activity occurs. Standard CloudWatch and CloudWatch Logs charges apply. [Learn more](#)

CloudWatch Logs | Info

☒ Enabled

Log group name

/aws/cloudtrail/guvi-s3-dataevents

1-512 characters. Only letters, numbers, dashes, underscores, forward slashes, and periods are allowed.

IAM Role Info

AWS CloudTrail assumes this role to send CloudTrail events to your CloudWatch Logs log group.

☒ New

☐ Existing

Role name

CloudTrailRoleForCloudWatchLogs_{trail-name}

► Policy document

Tags - optional Info

You can add one or more tags to help you manage and organize your resources, including trails.

Key

Enter key

Value - optional

Enter value

Remove

Add tag

You can add 49 more tags

Cancel

Next

Choose trail attributes

General details

A trail created in the console is a multi-region trail. [Learn more](#)

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guvi-s3-trail

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Storage location | [Info](#)

☒ Create new S3 bucket
Create a bucket to store logs for the trail.

☐ Use existing S3 bucket
Choose an existing bucket to store logs for this trail.

Trail log bucket and folder

Enter a new S3 bucket name and folder (prefix) to store your logs. Bucket names must be globally unique.

aws-cloudtrail-logs-9896

Logs will be stored in aws-cloudtrail-logs-9896/AWSLogs/567749996020

Log file SSE-KMS encryption | [Info](#)

☒ Enabled

Customer managed AWS KMS key

☒ New☐ Existing

AWS KMS alias

Abhi

KMS key and S3 bucket must be in the same region.

▼ Additional settings

Log file validation | [Info](#)

☒ Enabled

SNS notification delivery | [Info](#)

☐ Enabled

[Alt+S]

Asia Pacific (Mumbai) ▼

Account ID: 567749996020

CloudWatch Logs | [Info](#)

☒ Enabled

Log group [Info](#)

☒ New☐ Existing

Log group name

/aws/cloudtrail/guvi-s3-dataevents

1-512 characters. Only letters, numbers, dashes, underscores, forward slashes, and periods are allowed.

IAM Role [Info](#)

AWS CloudTrail assumes this role to send CloudTrail events to your CloudWatch Logs log group.

☒ New☐ Existing

Role name

AWSCloudTrailFullAccess

► Policy document

Tags - optional [Info](#)

You can add one or more tags to help you manage and organize your resources, including trails.

Key

Enter key

Value - optional

Enter value

Remove

Add tag

You can add 49 more tags

Cancel

Next

Create security group [Info](#)

A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. To create a new security group, complete the fields below.

Basic details

Security group name [Info](#)

Name cannot be edited after creation.

Description [Info](#)

VPC [Info](#)

vpc-093920d0ae87274bf

▼

Inbound rules [Info](#)

This security group has no inbound rules.

Add rule

Outbound rules [Info](#)

Type [Info](#)

HTTP

▼

Protocol [Info](#)

TCP

Port range [Info](#)

80

Destination [Info](#)

Custom

▼

Q

0.0.0.0/0

×

Description - optional [Info](#)

Delete

Add rule

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 tags

Cancel

Create security group

Create security group [Info](#)

A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. To create a new security group, complete the fields below.

Basic details

Security group name [Info](#)

Name cannot be edited after creation.

Description [Info](#)

VPC [Info](#)

vpc-093920d0ae87274bf

▼

Inbound rules [Info](#)

Type [Info](#)

HTTP

▼

Protocol [Info](#)

TCP

Port range [Info](#)

80

Source [Info](#)

Custom

▼

Q sg-06593c905a6ff24aa

X

Description - optional [Info](#)

Delete

SSH

▼

TCP

22

My IP

▼

sg-06593c905a6ff24aa

X

Q

203.81.241.85/32

X

Delete

Add rule

Outbound rules [Info](#)

Type [Info](#)

All traffic

▼

Protocol [Info](#)

All

Port range [Info](#)

All

Destination [Info](#)

Anywhe...

▼

Q

::/0

X

Description - optional [Info](#)

Delete

Add rule

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 tags

Cancel

Create security group

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

web1

[Add additional tags](#)

▼ Application and OS Images (Amazon Machine Image) [Info](#)

An AMI contains the operating system, application server, and applications for your instance. If you don't see a suitable AMI below, use the search field or choose [Browse more AMIs](#).

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

Recents


[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 kernel-6.1 AMI

Free tier eligible

ami-0861f4e788f5069dd (64-bit (x86), uefi-preferred) / ami-0fad8318b9405c6fb (64-bit (Arm), uefi)
Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Amazon Linux 2023 (kernel-6.1) is a modern, general purpose Linux-based OS that comes with 5 years of long term support. It is optimized for AWS and designed to provide a secure, stable and high-performance execution environment to develop and run your cloud applications.

Amazon Linux 2023 AMI 2023.8.20250818.0 x86_64 HVM kernel-6.1

Architecture

64-bit (x86)

Boot mode

uefi-preferred

AMI ID

ami-0861f4e788f5069dd

Publish Date

2025-08-13

Username

ec2-user



Verified provider

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

Instance type

t2.micro

Free tier eligible



All generations

▼ Summary

Number of instances | [Info](#)

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.8.2...[read more](#)
ami-0861f4e788f5069dd

Virtual server type (Instance type)

t2.micro

Firewall (security group)

web-sg

Storage (volumes)

1 volume(s) - 14 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 GB of snapshots, and 100 GB of bandwidth to the internet. Data transfer charges are not included as part of the free tier allowance.



[Cancel](#)

[Launch Instance](#)

 [Preview code](#)

172.31.0.0/16

Subnet

Info

subnet-05862172def8e23d5

private

VPC: vpc-093920d0ae87274bf Owner: 567749996020 Availability Zone: ap-south-1a (aps1-az1)
Zone type: Availability Zone IP addresses available: 4091 CIDR: 172.31.32.0/20

↻

Create new subnet

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

Common security groups

Info

Select security groups

web-sg sg-07bdf45f241d87c2c

VPC: vpc-093920d0ae87274bf

↻

Compare security group rules

► **Advanced network configuration**

▼ Configure storage

Info

Advanced

1x

14

GiB

gp3

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

Domain join directory

Info

Select

↻

Create new directory

▼ Summary

Number of instances

Info

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.8.2...[read more](#)

ami-0861f4e788f5069dd

Virtual server type (instance type)

t2.micro

Firewall (security group)

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1 volume(s) - 14 GiB

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×

Cancel

Launch Instance

Preview code

Metadata accessible | [Info](#)


Enabled

Metadata IPv6 endpoint | [Info](#)

Select

Metadata version | [Info](#)

Select

 EC2 recommends using metadata version 2 unless you explicitly require metadata version 1.

Metadata response hop limit | [Info](#)

2

Allow tags in metadata | [Info](#)

Select

User data - optional | [Info](#)

Upload a file with your user data or enter it in the field.

 Choose file

```
#!/bin/bash
yum update -y
amazon-linux-extras enable nginx1
yum install -y nginx
systemctl enable nginx
systemctl start nginx
echo "Hello from $(hostname)" > /usr/share/nginx/html/index.html
```

☐ User data has already been base64 encoded

Number of instances | [Info](#)

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.8.2...[read more](#)

ami-0861f4e788f5069dd

Virtual server type (Instance type)



t2.micro

Firewall (security group)

web-sg

Storage (volumes)

1 volume(s) - 14 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 GB of snapshots, and 100 GB of bandwidth to the internet. Data transfer charges are not included as part of the free tier allowance. 

[Cancel](#)

[Launch instance](#)

 [Preview code](#)

▼ Network settings [Info](#)

VPC - required | [Info](#)

vpc-093920d0ae87274bf
172.31.0.0/16

(default) ▼

↻

Subnet | [Info](#)

subnet-077dae48505462db8
VPC: vpc-093920d0ae87274bf Owner: 567749996020 Availability Zone: ap-south-1b (aps1-az3)
Zone type: Availability Zone IP addresses available: 4091 CIDR: 172.31.0.0/20

public ▼

↻ [Create new subnet](#)

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

Common security groups | [Info](#)

Select security groups ▼

web-sg sg-07bdf45f241d87c2c X
VPC: vpc-093920d0ae87274bf

↻ [Compare security group rules](#)

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

► Advanced network configuration

▼ Configure storage [Info](#)

Advanced

1x 10 GiB gp3 ▼ Root volume, 3000 IOPS, Not encrypted

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

[Add new volume](#)

The selected AMI contains instance store volumes, however the instance does not allow any instance store volumes. None of the instance store volumes from the AMI will be accessible from the instance

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.

▼ Summary

Number of instances | [Info](#)

1

Software Image (AMI)

Canonical, Ubuntu, 24.04, amd64...[read more](#)
ami-0f918f7e67a3323f0

Virtual server type (instance type)

t2.micro

Firewall (security group)

web-sg

Storage (volumes)

1 volume(s) - 10 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 GB of snapshots, and 100 GB of bandwidth to the internet. Data transfer charges are not included as part of the free tier allowance.

[Cancel](#)

[Launch instance](#)

[Preview code](#)

Name and tags [Info](#)

Name

web2

[Add additional tags](#)

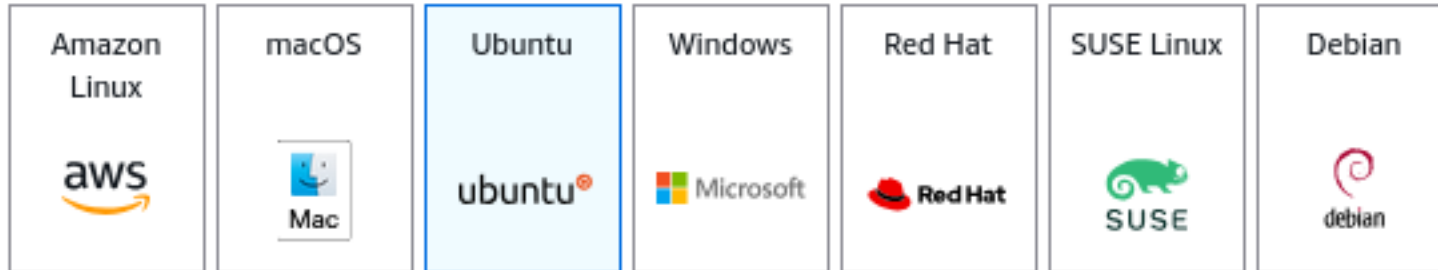
▼ Application and OS Images (Amazon Machine Image) [Info](#)

An AMI contains the operating system, application server, and applications for your instance. If you don't see a suitable AMI below, use the search field or choose [Browse more AMIs](#).

 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)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type
ami-0f918f7e67a3323f0 (64-bit (x86)) / ami-02f607855bfce66b6 (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible

Description

Ubuntu Server 24.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical (<http://www.ubuntu.com/cloud/services>).

Canonical, Ubuntu, 24.04, amd64 noble image

Architecture

64-bit (x86)

AMI ID

ami-0f918f7e67a3323f0

Publish Date

2025-06-10

Username [Info](#)

ubuntu

Verified provider

Number of instances [Info](#)

1

Software Image (AMI)

Canonical, Ubuntu, 24.04, amd64...[read more](#)
ami-0f918f7e67a3323f0

Virtual server type (Instance type)



t2.micro

Firewall (security group)

web-sg

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1 volume(s) - 10 GiB

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[Cancel](#)

[Launch Instance](#)

 [Preview code](#)

Specify group details


Your load balancer routes requests to the targets in a target group and performs health checks on the targets.

Basic configuration

Settings in this section can't be changed after the target group is created.

Choose a target type

☒ Instances

- Supports load balancing to instances within a specific VPC.
- Facilitates the use of [Amazon EC2 Auto Scaling](#)  to manage and scale your EC2 capacity.

☐ IP addresses

- Supports load balancing to VPC and on-premises resources.
- Facilitates routing to multiple IP addresses and network interfaces on the same instance.
- Offers flexibility with microservice based architectures, simplifying inter-application communication.
- Supports IPv6 targets, enabling end-to-end IPv6 communication, and IPv4-to-IPv6 NAT.

☐ Lambda function

- Facilitates routing to a single Lambda function.
- Accessible to Application Load Balancers only.

☐ Application Load Balancer

- Offers the flexibility for a Network Load Balancer to accept and route TCP requests within a specific VPC.
- Facilitates using static IP addresses and PrivateLink with an Application Load Balancer.

Target group name

guvi-web-tg

A maximum of 32 alphanumeric characters including hyphens are allowed, but the name must not begin or end with a hyphen.

Protocol

Protocol for load balancer-to-target communication. Can't be modified after creation.

HTTP

Port

Port number where targets receive traffic. Can be overridden for individual targets during registration.

80

1-65535

IP address type

Only targets with the indicated IP address type can be registered to this target group.

☒ IPv4

Each instance has a default network interface (eth0) that is assigned the primary private IPv4 address. The instance's primary private IPv4 address is the one that will be applied to the target.

☐ IPv6

Register targets

This is an optional step to create a target group. However, to ensure that your load balancer routes traffic to this target group you must register your targets.

Available instances (2/2)

Filter instances

< 1 > ⚙

<input checked="" type="checkbox"/>	Instance ID	Name	State	Security groups	Zone	Private IPv4 address	Subnet ID	Launch time
<input checked="" type="checkbox"/>	i-0a54d795185f7371d	web2	Running	web-sg	ap-south-1b	172.31.0.180	subnet-077dae48505462db8	August 20, 2025, 10:47 (UTC-04:00)
<input checked="" type="checkbox"/>	i-00ab35885f66a84e6	web1	Running	web-sg	ap-south-1a	172.31.46.154	subnet-05862172def8e23d5	August 20, 2025, 10:42 (UTC-04:00)

2 selected

Ports for the selected instances

Ports for routing traffic to the selected instances.

80

1-65535 (separate multiple ports with commas)

Include as pending below

Review targets

Targets (0)

Remove all pending

Filter targets

☐ Show only pending

< 1 > ⚙

Instance ID	Name	Port	State	Security groups	Zone	Private IPv4 address	Subnet ID	Launch time
No instances added yet								
Specify instances above, or leave the group empty if you prefer to add targets later.								

guvi-web-tg

Actions ▾

Details

arn:aws:elasticloadbalancing:ap-south-1:567749996020:targetgroup/guvi-web-tg/2968c54925877265

Target type Instance	Protocol : Port HTTP: 80	Protocol version HTTP1	VPC vpc-093920d0ae87274bf
IP address type IPv4	Load balancer None associated		

0
Total targets

✔ 0
Healthy

✖ 0
Unhealthy

⌵ 0
Unused

⌵ 0
Initial

⌵ 0
Draining

0 Anomalous

- Targets
- Monitoring
- Health checks
- Attributes
- Tags

Registered targets (0) [Info](#)

[Anomaly mitigation: Not applicable](#) [Refresh](#) [Deregister](#) [Register targets](#)

Target groups route requests to individual registered targets using the protocol and port number specified. Health checks are performed on all registered targets according to the target group's health check settings. Anomaly detection is automatically applied to HTTP/HTTPS target groups with at least 3 healthy targets.

🔍 Filter targets

< 1 > ⚙️

<input type="checkbox"/>	Instance ID ▾	Name ▾	Port ▾	Zone ▾	Health status ▾	Health status details	Administrative override ▾	Override details
No registered targets								
You have not registered targets to this group yet								
Register targets								

Create Application Load Balancer [Info](#)

The Application Load Balancer distributes incoming HTTP and HTTPS traffic across multiple targets such as Amazon EC2 instances, microservices, and containers, based on request attributes. When the load balancer receives a connection request, it evaluates the listener rules in priority order to determine which rule to apply, and if applicable, it selects a target from the target group for the rule action.

▶ **How Application Load Balancers work**

Basic configuration

Load balancer name

Name must be unique within your AWS account and can't be changed after the load balancer is created.

guvi-alb

A maximum of 32 alphanumeric characters including hyphens are allowed, but the name must not begin or end with a hyphen.

Scheme [Info](#)

Scheme can't be changed after the load balancer is created.

☒ **Internet-facing**

- Serves internet-facing traffic.
- Has public IP addresses.
- DNS name resolves to public IPs.
- Requires a public subnet.

☐ **Internal**

- Serves internal traffic.
- Has private IP addresses.
- DNS name resolves to private IPs.
- Compatible with the **IPv4** and **Dualstack** IP address types.

Load balancer IP address type [Info](#)

Select the front-end IP address type to assign to the load balancer. The VPC and subnets mapped to this load balancer must include the selected IP address types. Public IPv4 addresses have an additional cost.

☒ **IPv4**

Includes only IPv4 addresses.

☐ **Dualstack**

Includes IPv4 and IPv6 addresses.

☐ **Dualstack without public IPv4**

Includes a public IPv6 address, and private IPv4 and IPv6 addresses. Compatible with **internet-facing** load balancers only.

Network mapping [Info](#)

The load balancer routes traffic to targets in the selected subnets, and in accordance with your IP address settings.

VPC [Info](#)

The load balancer will exist and scale within the selected VPC. The selected VPC is also where the load balancer targets must be hosted unless routing to Lambda or on-premises targets, or if using VPC peering. To confirm the VPC for your targets, view [target groups](#).

vpc-093920d0ae87274bf172.31.0.0/16(default) ▼



Create VPC [↗](#)

Network mapping [Info](#)

The load balancer routes traffic to targets in the selected subnets, and in accordance with your IP address settings.

VPC | [Info](#)

The load balancer will exist and scale within the selected VPC. The selected VPC is also where the load balancer targets must be hosted unless routing to Lambda or on-premises targets, or if using VPC peering. To confirm the VPC for your targets, view [target groups](#).

vpc-093920d0ae87274bf
172.31.0.0/16

(default) ▼



[Create VPC](#)

IP pools - new | [Info](#)

You can optionally choose to configure an IPAM pool as the preferred source for your load balancers IP addresses. Create or view **Pools** in the [Amazon VPC IP Address Manager console](#).

☐ Use IPAM pool for public IPv4 addresses

The IPAM pool you choose will be the preferred source of public IPv4 addresses. If the pool is depleted IPv4 addresses will be assigned by AWS.

Availability Zones and subnets | [Info](#)

Select at least two Availability Zones and a subnet for each zone. A load balancer node will be placed in each selected zone and will automatically scale in response to traffic. The load balancer routes traffic to targets in the selected Availability Zones only.

☒ **ap-south-1a (aps1-az1)**

Subnet

Only CIDR blocks corresponding to the load balancer IP address type are used. At least 8 available IP addresses are required for your load balancer to scale efficiently.

subnet-05862172def8e23d5
IPv4 subnet CIDR: 172.31.32.0/20

private ▼

☒ **ap-south-1b (aps1-az3)**

Subnet

Only CIDR blocks corresponding to the load balancer IP address type are used. At least 8 available IP addresses are required for your load balancer to scale efficiently.

subnet-077dae48505462db8
IPv4 subnet CIDR: 172.31.0.0/20

public ▼

Security groups [Info](#)

A security group is a set of firewall rules that control the traffic to your load balancer. Select an existing security group, or you can [create a new security group](#).

Security groups

Select up to 5 security groups



alb-sg

sg-06593c905a6ff24aa VPC: vpc-093920d0ae87274bf



web-sg

sg-07bdf45f241d87c2c VPC: vpc-093920d0ae87274bf



Listeners and routing [Info](#)

A listener is a process that checks for connection requests using the port and protocol you configure. The rules that you define for a listener determine how the load balancer routes requests to its registered targets.

You can get started with this feature by configuring it properly in the [Network mapping](#) section.

guvi-alb

Actions ▾

▼ Details

Load balancer type Application	Status ✔ Active	VPC vpc-093920d0ae87274bf	Load balancer IP address type IPv4
Scheme Internet-facing	Hosted zone ZP97RAFLXTNZK	Availability Zones subnet-05862172def8e23d5 ap-south-1a (aps1-az1) subnet-077dae48505462db8 ap-south-1b (aps1-az3)	Date created August 20, 2025, 10:56 (UTC-04:00)
Load balancer ARN <code>arn:aws:elasticloadbalancing:ap-south-1:567749996020:loadbalancer/app/guvi-alb/dd4002255d80a74c</code>		DNS name Info <code>guvi-alb-2034643861.ap-south-1.elb.amazonaws.com</code> (A Record)	

- Listeners and rules
- Network mapping
- Resource map
- Security
- Monitoring
- Integrations
- Attributes
- Capacity
- Tags

Listeners and rules (1) [Info](#)

Manage rules ▾

Manage listener ▾

Add listener

A listener checks for connection requests on its configured protocol and port. Traffic received by the listener is routed according to the default action and any additional rules.

<

1

>

<input type="checkbox"/>	Protocol:Port ▾	Default action ▾	Rules ▾	ARN ▾	Security policy ▾	Default SSL/TLS certificate ▾	mTLS ▾	Trust store
<input type="checkbox"/>	HTTP:80	<div>• Forward to target group guvi-web-tg : 1 (100%) Target group stickiness: Off</div>	1 rule	ARN	Not applicable	Not applicable	Not applicable	Not applica