

Console Home | Console Home   Launch an instance | EC2 | us-east-1   AWS Athena S3 EC2 ALB analysis

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

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Name and tags [Info](#)

Name  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

Amazon Linux macOS Ubuntu Windows Red Hat SUSE Li [Browse more AMIs](#)

Amazon Machine Image (AMI)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type  
ami-0866a3c8686eaeeba (64-bit (x86)) / ami-0325498274077fac5 (64-bit (Arm))  
Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible

Summary

Number of instances [Info](#) 1

Software Image (AMI)  
Canonical, Ubuntu, 24.04, amd6...read more  
ami-0866a3c8686eaeeba

Virtual server type (instance type)  
t2.micro

Firewall (security group)  
ALB server A

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

**i 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. 750 hours of public IP per month.

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Summary

Number of instances: 1

Software Image (AMI): Canonical, Ubuntu, 24.04, amd64...read more ami-0866a3c8686eaeeba

Virtual server type (instance type): t2.micro

Firewall (security group): ALB server A

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, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 Gbps bandwidth to the internet

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**Network settings** [Info](#)

Network [Info](#)  
vpc-0249edb10cd61eb69

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

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

ALB server A sg-0ab980eaa3368d04d X  
VPC: vpc-0249edb10cd61eb69

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

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

1x 8 GiB gp3 Root volume (Not encrypted)

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

**Summary**

Number of instances [Info](#)  
1

Software Image (AMI)  
Canonical, Ubuntu, 24.04, amd64... [read more](#)  
ami-0866a3c8686eaeeba

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ALB server A

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

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EC2 > ... > 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**

Name: Demo server B 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

Amazon Linux macOS Ubuntu Windows Red Hat SUSE Li SUS

aws Mac ubuntu Microsoft Red Hat SUSE Li

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

**Summary**

Number of instances Info: 1

Canonical, Ubuntu 24.04, ami-0866a3c8686eaeba

Virtual server type (instance type): t2.micro

Firewall (security group): ALB server A

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, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

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Amazon Machine Image (AMI)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type  
ami-0866a3c8686ea (64-bit (x86)) / ami-0325498274077fac5 (64-bit (Arm))  
Virtualization: hvm ENA enabled: true Root device type: ebs

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-0866a3c8686ea Username: ubuntu Verified provider

Instance type

t2.micro Family: t2 1 vCPU 1 GiB Memory Current generation: true Free tier eligible

All generations Compare instance types

Additional costs apply for AMIs with pre-installed software

Key pair (login)

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Summary

Number of instances: 1

Canonical, Ubuntu, 24.04, ami-0866a3c8686ea (64-bit (x86)) / ami-0325498274077fac5 (64-bit (Arm))

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**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

home-key

**Network settings Info**

Network Info

vpc-0249edb10cd61eb69

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

Common security groups Info

Select security groups

ALB server A sg-0ab980eaa3368d04d X  
VPC: vpc-0249edb10cd61eb69

Compare security group rules

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

**Summary**

Number of instances Info

1

Canonical, Ubuntu, 24.04, ami-0866a3c8686eaeeba

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t2.micro

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ALB server A

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System information as of Sat Nov 9 19:27:20 UTC 2024

```
System load: 0.0      Processes: 104
Usage of /: 22.9% of 6.71GB  Users logged in: 0
Memory usage: 20%          IPv4 address for enX0: 172.31.39.172
Swap usage: 0%
```

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.  
See <https://ubuntu.com/esm> or run: sudo pro status

The list of available updates is more than a week old.  
To check for new updates run: sudo apt update

The programs included with the Ubuntu system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/\*copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by  
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo\_root" for details.

updated updates updater

```
ubuntu@ip-172-31-39-172:~$ sudo apt update
```

i-038497234c620b3d9 (Demo server A)

PublicIPs: 54.205.163.70 PrivateIPs: 172.31.39.172

Console Home | Console Home | Homepage | S3 | us-east-1 | Instances | EC2 | us-east-1 | EC2 Instance Connect | AWS Athena S3 EC2 ALB analysis | +

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-038497234c620b3d9&osUser=ubuntu&region=us-east-1&ss...

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```
Found initrd image: /boot/microcode.cpio /boot/initrd.img-6.8.0-1016-aws
Warning: os-prober will not be executed to detect other bootable partitions.
Systems on them will not be added to the GRUB boot configuration.
Check GRUB_DISABLE_OS_PROBER documentation entry.
Adding boot menu entry for UEFI Firmware Settings ...
done
Scanning processes...
Scanning candidates...
Scanning linux images...

Pending kernel upgrade!
Running kernel version:
  6.8.0-1016-aws
Diagnostics:
  The currently running kernel version is not the expected kernel version 6.8.0-1018-aws.

Restarting the system to load the new kernel will not be handled automatically, so you should consider rebooting.

Restarting services...
  systemctl restart multipathd.service packagekit.service

Service restarts being deferred:
  systemctl restart unattended-upgrades.service

No containers need to be restarted.

User sessions running outdated binaries:
  ubuntu @ session #2: apt[1821]

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-39-172:~$ sudo apt upgrade
```

i-038497234c620b3d9 (Demo server A)

PublicIPs: 54.205.163.70 PrivateIPs: 172.31.39.172

Console Home | Console Home | Homepage | S3 | us-east-1 | Instances | EC2 | us-east-1 | EC2 Instance Connect | AWS Athena S3 EC2 ALB analysis | +

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-038497234c620b3d9&osUser=ubuntu&region=us-east-1&ss...

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AWS Services Search [Alt+S]

```
Found initrd image: /boot/microcode.cpio /boot/initrd.img-6.8.0-1016-aws
Warning: os-prober will not be executed to detect other bootable partitions.
Systems on them will not be added to the GRUB boot configuration.
Check GRUB_DISABLE_OS_PROBER documentation entry.
Adding boot menu entry for UEFI Firmware Settings ...
done
Scanning processes...
Scanning candidates...
Scanning linux images...

Pending kernel upgrade!
Running kernel version:
  6.8.0-1016-aws
Diagnostics:
  The currently running kernel version is not the expected kernel version 6.8.0-1018-aws.

Restarting the system to load the new kernel will not be handled automatically, so you should consider rebooting.

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  systemctl restart multipathd.service packagekit.service

Service restarts being deferred:
  systemctl restart unattended-upgrades.service

No containers need to be restarted.

User sessions running outdated binaries:
  ubuntu @ session #2: apt[1821]

No VM guests are running outdated hypervisor (qemu) bin
```

you yes your

```
ubuntu@ip-172-31-39-172:~$ sudo apt install apache2 -y
```

i-038497234c620b3d9 (Demo server A)

PublicIPs: 54.205.163.70 PrivateIPs: 172.31.39.172

Console Home | Console H X | Homepage | S3 | us-east-1 X | Instances | EC2 | us-east-1 X | EC2 Instance Connect X | AWS Athena S3 EC2 ALB a X | Apache2 Ubuntu Default P X | + | - | X

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?addressFamily=ipv4&connType=standard&instanceId=i-038497234c620b3d9&osUser=ubuntu&region=us-east-1&ss... | All Bookmarks

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```
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /usr/lib/systemd/system/apache-htcacheclean.service.
Processing triggers for ufw (0.36.2-6) ...
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for libc-bin (2.39-0ubuntu8.3) ...
Scanning processes...
Scanning candidates...
Scanning linux images...

Pending kernel upgrade!
Running kernel version:
  6.8.0-1016-aws
Diagnostics:
  The currently running kernel version is not the expected kernel version 6.8.0-1018-aws.

Restarting the system to load the new kernel will not be handled automatically, so you should consider rebooting.

Restarting services...

Service restarts being deferred:
  systemctl restart unattended-upgrades.service

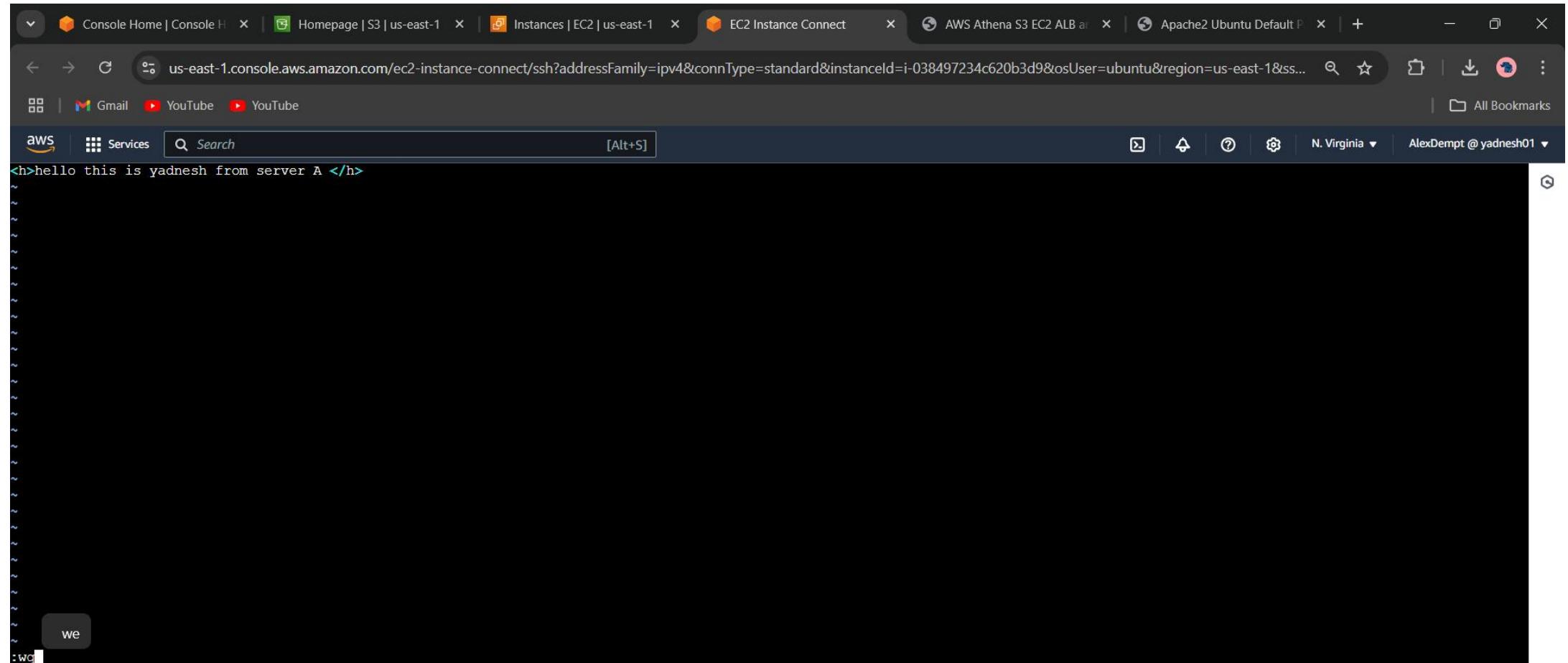
No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-39-172:~$ cd /var/www/html
ubuntu@ip-172-31-39-172:/var/www/html$ ls
index.html
ubuntu@ip-172-31-39-172:/var/www/html$ sudo rm index.html
ubuntu@ip-172-31-39-172:/var/www/html$ sudo vi index.html
```

i-038497234c620b3d9 (Demo server A)

PublicIPs: 54.205.163.70 PrivateIPs: 172.31.39.172



i-038497234c620b3d9 (Demo server A)

Public IPs: 54.205.163.70 Private IPs: 172.31.39.172

Console Home | Cons... X Target groups | EC2 | EC2 Instance Connect | EC2 Instance Connect | AWS Athena S3 EC2 | 54.205.163.70 | 54.165.245.99 X + -

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#TargetGroups:

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EC2 > Target groups

Target groups Info

Filter target groups

Name ARN Port Protocol Target type Load balancer VPC ID

No target groups

You don't have any target groups in us-east-1

Create target group

0 target groups selected

Select a target group above.

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EC2 > Target groups > Create target group

Step 1  
Specify group details

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

Step 2  
Register 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

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

**Protocol : Port**  
Choose a protocol for your target group that corresponds to the Load Balancer type that will route traffic to it. Some protocols now include anomaly detection for the targets and you can set mitigation options once your target group is created. This choice cannot be changed after creation

HTTP 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  
Each instance you register must have an assigned primary IPv6 address. This is configured on the instance's default network interface (eth0). [Learn more](#)

**VPC**  
Select the VPC with the instances that you want to include in the target group. Only VPCs that support the IP address type selected above are available in this list.

-  
vpc-0249edb10cd61eb69  
IPv4 VPC CIDR: 172.31.0.0/16

**Protocol version**

HTTP1  
Send requests to targets using HTTP/1.1. Supported when the request protocol is HTTP/1.1 or HTTP/2.

HTTP2  
Send requests to targets using HTTP/2. Supported when the request protocol is HTTP/2 or gRPC, but gRPC-specific features are not available.

gRPC  
Send requests to targets using gRPC. Supported when the request protocol is gRPC.

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Console Home | Console Home | Step 1 Create target group | EC2 Instance Connect | EC2 Instance Connect | AWS Athena S3 EC2 ALB analysis | + us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateTargetGroup: Gmail YouTube YouTube Services Search [Alt+S] N. Virginia AlexDempt @ yadnesh01

gRPC  
Send requests to targets using gRPC. Supported when the request protocol is gRPC.

**Health checks**  
The associated load balancer periodically sends requests, per the settings below, to the registered targets to test their status.

Health check protocol: HTTP

Health check path: /index.html  
Up to 1024 characters allowed.

► Advanced health check settings

**Attributes**

Certain default attributes will be applied to your target group. You can view and edit them after creating the target group.

► Tags - optional  
Consider adding tags to your target group. Tags enable you to categorize your AWS resources so you can more easily manage them.

Cancel Next

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EC2 > Target groups > Create target group

Step 1 Specify group details

Step 2 Register targets

## 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)

Instance ID	Name	State	Security groups	Zone	Private IPv4 address
i-0957f47102a1d7087	Demo server B	Running	ALB server A	us-east-1c	172.31.93.114
i-038497234c620b3d9	Demo server A	Running	ALB server A	us-east-1a	172.31.39.172

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

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us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateTargetGroup:

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Instance ID	Name	Port	State	Security groups	Zone	Private IPv4 address	Subnet ID	Launch time
i-0957f47102a1d7087	Demo server B	80	Running	ALB server A	us-east-1c	172.31.93.114	subnet-0f911ab54d8f00e4d	November 10, 2024, 00:55 (UTC+0)
i-038497234c620b3d9	Demo server A	80	Running	ALB server A	us-east-1a	172.31.39.172	subnet-05c1ae3ee722cd3e4	November 10, 2024, 00:50 (UTC+0)

0 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

2 selections are now pending below. Include more or register targets when ready.

### Review targets

Targets (2)

Filter targets Show only pending

Instance ID	Name	Port	State	Security groups	Zone	Private IPv4 address	Subnet ID	Launch time
i-0957f47102a1d7087	Demo server B	80	Running	ALB server A	us-east-1c	172.31.93.114	subnet-0f911ab54d8f00e4d	November 10, 2024, 00:55 (UTC+0)
i-038497234c620b3d9	Demo server A	80	Running	ALB server A	us-east-1a	172.31.39.172	subnet-05c1ae3ee722cd3e4	November 10, 2024, 00:50 (UTC+0)

2 pending

Create target group

Console Home | Console Home | Load balancers | EC2 | us-east-1 | EC2 Instance Connect | EC2 Instance Connect | AWS Athena S3 EC2 ALB analysis | + | us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LoadBalancers: | Close

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Load Balancing **Load Balancers** Target Groups Trust Stores [New](#)

Auto Scaling Auto Scaling Groups

Settings

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**EC2 > Load balancers**

**Load balancers**

Elastic Load Balancing scales your load balancer capacity automatically in response to changes in incoming traffic.

Filter load balancers

**Create load balancer**

No load balancers

You don't have any load balancers in us-east-1

**0 load balancers selected**

Select a load balancer above.

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Console Home | Console Home | Compare and select load balancer | EC2 Instance Connect | EC2 Instance Connect | AWS Athena S3 EC2 ALB analysis | +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#SelectCreateELBWizard:

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Services Search [Alt+S]

## Load balancer types

Application Load Balancer	Network Load Balancer	Gateway Load Balancer
<p>Info</p> <p>Choose an Application Load Balancer when you need a flexible feature set for your applications with HTTP and HTTPS traffic. Operating at the request level, Application Load Balancers provide advanced routing and visibility features targeted at application architectures, including microservices and containers.</p> <p><a href="#">Create</a></p>	<p>Info</p> <p>Choose a Network Load Balancer when you need ultra-high performance, TLS offloading at scale, centralized certificate deployment, support for UDP, and static IP addresses for your applications. Operating at the connection level, Network Load Balancers are capable of handling millions of requests per second securely while maintaining ultra-low latencies.</p> <p><a href="#">Create</a></p>	<p>Info</p> <p>Choose a Gateway Load Balancer when you need to deploy and manage a fleet of third-party virtual appliances that support GENEVE. These appliances enable you to improve security, compliance, and policy controls.</p> <p><a href="#">Create</a></p>

▶ Classic Load Balancer - previous generation

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79°F Haze 01:12 10-11-2024 ENG IN

Console Home | Console Home | Create application load balancer | AWS Athena S3 EC2 ALB analysis | EC2 Instance Connect | EC2 Instance Connect

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateALBWizard:

Gmail YouTube YouTube All Bookmarks

Services Search [Alt+S]

ECS > Load balancers > Create Application Load Balancer

## 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.  
 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**  
An internet-facing load balancer routes requests from clients over the internet to targets. Requires a public subnet. [Learn more](#)

**Internal**  
An internal load balancer routes requests from clients to targets using private IP addresses. 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.

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Console Home | Console Home | Create application load balancer | AWS Athena S3 EC2 ALB analysis | EC2 Instance Connect | EC2 Instance Connect

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateALBWizard:

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**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](#). For a new VPC, [create a VPC](#).

-  
vpc-0249edb10cd61eb69  
IPv4 VPC CIDR: 172.31.0.0/16

**Mappings** Info

Select at least two Availability Zones and one subnet per zone. The load balancer routes traffic to targets in these Availability Zones only. Availability Zones that are not supported by the load balancer or the VPC are not available for selection.

**Availability Zones**

us-east-1a (use1-az6)

Subnet

subnet-05c1ae3ee722cd3e4  
IPv4 subnet CIDR: 172.31.32.0/20

IPv4 address  
Assigned by AWS

us-east-1b (use1-az1)

Subnet

subnet-0e0ebcdcf3a8b48  
IPv4 subnet CIDR: 172.31.0.0/20

IPv4 address  
Assigned by AWS

us-east-1c (use1-az2)

Subnet

subnet-0f911ab54d8f00e4d  
IPv4 subnet CIDR: 172.31.80.0/20

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Console Home | Console Home | Create application load balancer | AWS Athena S3 EC2 ALB analysis | EC2 Instance Connect | EC2 Instance Connect

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateALBWizard:

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**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

default sg-059a0af86c8ca3ee7 VPC: vpc-0249edb10cd61eb69

ALB server A sg-0ab980eaa3368d04d VPC: vpc-0249edb10cd61eb69

**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.

▼ Listener HTTP:80 Remove

Protocol	Port	Default action
HTTP	: 80 1-65535	Forward to MyTargetGroup Target type: Instance, IPv4

[Create target group](#)

**Listener tags - optional**

Consider adding tags to your listener. Tags enable you to categorize your AWS resources so you can more easily manage them.

Add listener tag

You can add up to 50 more tags.

Add listener

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Console Home | Console Home | Create application load balancer | AWS Athena S3 EC2 ALB analysis | EC2 Instance Connect | EC2 Instance Connect

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#CreateALBWizard:

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Services Search [Alt+S]

**Summary**  
Review and confirm your configurations. [Estimate cost](#)

**Basic configuration** [Edit](#)  
ec2-ethena-elb  
• Internet-facing  
• IPv4

**Security groups** [Edit](#)  
• default [sg-039a0af86c8ca3ee7](#)  
• ALB server A [sg-0ab980eaa3368d04d](#)

**Network mapping** [Edit](#)  
VPC [vpc-0249edb10cd61eb69](#)  
• us-east-1a [subnet-05c1ae3ee722cd3e4](#)  
• us-east-1b [subnet-0e0ebcdcf3a8b48](#)  
• us-east-1c [subnet-0f911ab54d8f00e4d](#)

**Listeners and routing** [Edit](#)  
• HTTP:80 defaults to [MyTargetGroup](#)

**Service integrations** [Edit](#)  
AWS WAF: None  
AWS Global Accelerator: None

**Tags** [Edit](#)  
None

**Attributes**

**Creation workflow and status**

**Server-side tasks and status**

After completing and submitting the above steps, all server-side tasks and their statuses become available for monitoring.

Cancel **Create load balancer**

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79°F Haze  Search       

ENG IN 01:14 10-11-2024

Console Home | Console H X | Load balancers | EC2 | us-e X Create S3 bucket | S3 | us-e X AWS Athena S3 EC2 ALB ar X EC2 Instance Connect X EC2 Instance Connect X + - □ X

us-east-1.console.aws.amazon.com/s3/bucket/create?region=us-east-1&bucketType=general

Gmail YouTube YouTube All Bookmarks

Services Search [Alt+S]

**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**  
**athena-ec2-loadbalancing-logs-new**

Bucket name must be unique within the global namespace and follow the bucket naming rules. [See rules for bucket naming](#)

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

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Console Home | Console H X | Load balancers | EC2 | us-e X Create S3 bucket | S3 | us-e X AWS Athena S3 EC2 ALB ar X EC2 Instance Connect X EC2 Instance Connect X + - □ X

us-east-1.console.aws.amazon.com/s3/bucket/create?region=us-east-1&bucketType=general

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AWS Services Search [Alt+S]

**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](#)

Bucket Versioning

Disable  
 Enable

**Tags - optional (0)**

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Dharmaveer Swa... Clearing soon ENG IN 01:17 10-11-2024

Console Home | Console H X | Load balancers | EC2 | us-e X Create S3 bucket | S3 | us-e X AWS Athena S3 EC2 ALB ar X EC2 Instance Connect X EC2 Instance Connect X + - □ X

us-east-1.console.aws.amazon.com/s3/bucket/create?region=us-east-1&bucketType=general

Gmail YouTube YouTube All Bookmarks

AWS Services Search [Alt+S]

No tags associated with this bucket.

Add tag

**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.

Cancel **Create bucket**

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from Dr Annie B... Clearing soon ENG IN 01:17 10-11-2024

Screenshot of the AWS Lambda console showing the "Edit bucket policy" page for the "athena-ec2-loadbalancing-logs-new" bucket.

The browser tab bar shows multiple open tabs related to AWS services like S3, Athena, and IAM.

The main content area displays the "Bucket policy" configuration:

- Bucket ARN:** arn:aws:s3:::athena-ec2-loadbalancing-logs-new
- Policy:**

```
1 {  
2   "Version": "2012-10-17",  
3   "Statement": [  
4     {  
5       "Effect": "Allow",  
6       "Principal": {  
7         "AWS": "arn:aws:iam::127311923021:root"  
8       },  
9       "Action": "s3:PutObject",  
10      "Resource": "arn:aws:s3:::athena-ec2-loadbalancing-logs-new"  
11    }  
12  ]  
13 }
```

- Edit statement:** A panel on the right where a new statement can be added.
- Select a statement:** A placeholder text indicating where existing statements can be selected or added.
- Add new statement:** A button to add a new statement to the policy.

The bottom navigation bar includes links for CloudShell, Feedback, Privacy, Terms, and Cookie preferences, along with system status indicators for weather (78°F Haze), search, and system notifications.

Screenshot of the AWS CloudFront console showing the configuration of a distribution.

The top navigation bar shows several open tabs, including "Console Home", "Load balancer", "Edit bucket policy", "AWS Athena S3", "EC2 Instance Cor...", "EC2 Instance Cor...", "aws documentat...", "ec2-ethena-elb-", and others.

The main navigation sidebar includes links for "Dashboard", "EC2 Global View", "Events", "Instances" (selected), "Images", and "Elastic Block Store".

The "Instances" section is expanded, showing "Instances", "Instance Types", "Launch Templates", "Spot Requests", "Savings Plans", "Reserved Instances", "Dedicated Hosts", "Capacity", and "Reservations" (marked as "New").

The main content area displays the "Attributes" tab for a CloudFront distribution. The distribution ARN is listed as "arn:aws:elasticloadbalancing:us-east-1:047719614436:loadbalancer/app/ec2-ethena-elb-38db481dc67573b2".

The "Attributes" tab is active, showing the following configuration:

Traffic configuration			
TLS version and cipher headers	WAF fail open	HTTP/2	Connection idle timeout
Off	Off	On	60 seconds
HTTP client keepalive duration			
3600 seconds			

Packet handling			
Desync mitigation mode	Drop invalid header fields	X-Forwarded-For header	Client port preservation
Defensive	Off	Append	Off
Preserve host header			
Off			

At the bottom, there are links for "CloudShell", "Feedback", and "Cookie preferences". The footer also includes a weather icon ("78°F Haze"), a search bar, and system status indicators.

Console Home | Edit load balancer | Edit bucket policy | AWS Athena S3 | EC2 Instance Config | EC2 Instance Config | aws documentation | ec2-ethena-elb- | + us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LoadBalancerEditAttributes:loadBalancerArn=arn:aws:elasticloadbalancing:us-east-1:047719614436:loadbalancer/app/ec... Gmail YouTube YouTube All Bookmarks Services s3 N. Virginia AlexDempt @ yadnesh01

## Availability Zone routing configuration

Cross-zone load balancing  
Cross-zone load balancing is always on for Application Load Balancers. However, you can turn it off for a specific target group using target group attributes.

## Protection

Deletion protection  
To prevent your load balancer from being deleted accidentally, turn on deletion protection. If you turn on deletion protection, you must turn it off before you can delete the load balancer.

## Monitoring

Access logs  
Access logs deliver detailed logs of all requests made to your Elastic Load Balancer. Choose an existing S3 location. If you don't specify a prefix, the access logs are stored in the root of the bucket. Additional charges apply. [Learn more](#)

Connection logs  
Connection logs deliver detailed logs of all connections made to your Elastic Load Balancer. Choose an existing S3 location. If you don't specify a prefix, the access logs are stored in the root of the bucket. Additional charges apply. [Learn more](#)

Cancel **Save changes**

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Console Home | Edit load balancer | athena-ec2-load | AWS Athena S3 | EC2 Instance C | EC2 Instance C | aws documentat | ec2-ethena-elb- | + us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LoadBalancerEditAttributes:loadBalancerArn=arn:aws:elasticloadbalancing:us-east-1:047719614436:loadbalancer/app/ec... Gmail YouTube YouTube All Bookmarks Services s3

Cross-zone load balancing is always on for Application Load Balancers. However, you can turn it off for a specific target group using target group attributes.

## Protection

**Deletion protection**  
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Access logs deliver detailed logs of all requests made to your Elastic Load Balancer. Choose an existing S3 location. If you don't specify a prefix, the access logs are stored in the root of the bucket. Additional charges apply. [Learn more](#)

S3 URI  
 [View](#) [Browse S3](#)  
Format: s3://bucket/prefix/object

**Connection logs**  
Connection logs deliver detailed logs of all connections made to your Elastic Load Balancer. Choose an existing S3 location. If you don't specify a prefix, the access logs are stored in the root of the bucket. Additional charges apply. [Learn more](#)

Cancel **Save changes**

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78°F Haze 8 ENG IN 10:11 01:30 10-11-2024

Console Home | Console H X | Edit load balancer attribute X | Create folder - S3 bucket a X | AWS Athena S3 EC2 ALB a X | aws documentation - Yahoo X | ec2-ethena-elb-17165825 X | +

us-east-1.console.aws.amazon.com/s3/buckets/athena-ec2-loadbalancing-logs-new/object/create\_folder?region=us-east-1&bucketType=general

Gmail YouTube YouTube All Bookmarks

aws Services Search [Alt+S]

Amazon S3 > Buckets > athena-ec2-loadbalancing-logs-new > Create folder

## Create folder Info

Use folders to group objects in buckets. When you create a folder, S3 creates an object using the name that you specify followed by a slash (/). This object then appears as folder on the console. [Learn more](#)

**i Your bucket policy might block folder creation**  
If your bucket policy prevents uploading objects without specific tags, metadata, or access control list (ACL) grantees, you will not be able to create a folder using this configuration. Instead, you can use the [upload configuration](#) to upload an empty folder and specify the appropriate settings.

### Folder

Folder name

Athena-Results /

Folder names can't contain "/". [See rules for naming](#)

### Server-side encryption Info

Server-side encryption protects data at rest.

**i** The following encryption settings apply only to the folder object and not to sub-folder objects.

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78°F Haze ENG IN 01:31 10-11-2024

Console Home | Load balance | athena-ec2- | Manage settings | AWS Athena | aws documenter | ec2-athena-e | AWS and Lin | (1) WhatsApp | +

us-east-1.console.aws.amazon.com/athena/home?region=us-east-1#/query-editor/settings/edit

Gmail YouTube YouTube All Bookmarks

aws Services Search [Alt+S]

Amazon Athena > Query editor > Manage settings

## Manage settings

### Query result location and encryption

**Location of query result - optional**  
Enter an S3 prefix in the current region where the query result will be saved as an object.

s3://athena-ec2-loadbalancing-logs-new/Athena-Results

**Lifecycle configuration**

**i You can create and manage lifecycle rules for this bucket**  
Use Amazon S3 lifecycle rules to store your query results and metadata cost effectively or to delete them after a period of time.  
[Learn more](#)

**Expected bucket owner - optional**  
Specify the AWS account ID that you expect to be the owner of your query results output location bucket.

047719614436

**Assign bucket owner full control over query results**  
Enabling this option grants the owner of the S3 query results bucket full control over the query results. This means that if your query result location is owned by another account, you grant full control over your query results to the other account.

**Encrypt query results**

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Air: Very Poor Now ENG IN 01:43 10-11-2024

Console Home | Load balance | athena-ec2- | Query editor | AWS Athena | aws documenter | ec2-athena-e | AWS and Lin | (1) WhatsApp | +

us-east-1.console.aws.amazon.com/athena/home?region=us-east-1#/query-editor/history/c9846fd2-b263-4582-b7e9-3aea15d38bd6

Gmail YouTube YouTube All Bookmarks

aws Services Search [Alt+S] N. Virginia ▾ AlexDempt @ yadnesh01 ▾

Editor Recent queries Saved queries Settings Workgroup primary

**Data**

Query 1 :

1 create database project

2

Data source: AwsDataCatalog

Database: default

Tables and views Create Filter tables and views

Tables (0) Views (0)

SQL Ln 1, Col 24

Run again Explain Cancel Clear Create Reuse query results up to 60 minutes ago

Query results Query stats

Completed Time in queue: 139 ms Run time: 273 ms Data scanned: -

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Search

Console Home | Load balance | Create folder | Query editor | AWS Athena | aws documenter | ec2-athena-e | AWS and Lin | (1) WhatsApp | +

us-east-1.console.aws.amazon.com/s3/buckets/athena-ec2-loadbalancing-logs-new/object/create\_folder?region=us-east-1&bucketType=general

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aws Services athena

## Create folder Info

Use folders to group objects in buckets. When you create a folder, S3 creates an object using the name that you specify followed by a slash (/). This object then appears as folder on the console. [Learn more](#)

**Your bucket policy might block folder creation**  
If your bucket policy prevents uploading objects without specific tags, metadata, or access control list (ACL) grantees, you will not be able to create a folder using this configuration. Instead, you can use the [upload configuration](#) to upload an empty folder and specify the appropriate settings.

### Folder

Folder name  /

Folder names can't contain "/". [See rules for naming](#)

### Server-side encryption Info

Server-side encryption protects data at rest.

**The following encryption settings apply only to the folder object and not to sub-folder objects.**

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78°F Haze Search        

ENG IN 01:49 10-11-2024

Console Home | Load balance | Create folder | Query editor | AWS Athena | aws documenter | ec2-athena-e | AWS and Lin | (1) WhatsApp | +

us-east-1.console.aws.amazon.com/s3/buckets/athena-ec2-loadbalancing-logs-new/object/create\_folder?region=us-east-1&bucketType=general

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aws Services athena

Folder name: awslogs /

Folder names can't contain "/". [See rules for naming](#)

**Server-side encryption** [Info](#)

Server-side encryption protects data at rest.

**i** The following encryption settings apply only to the folder object and not to sub-folder objects.

Server-side encryption

**Don't specify an encryption key**  
The bucket settings for default encryption are used to encrypt the folder object when storing it in Amazon S3.

**Specify an encryption key**  
The specified encryption key is used to encrypt the folder object before storing it in Amazon S3.

**⚠** If your bucket policy requires objects to be encrypted with a specific encryption key, you must specify the same encryption key when you create a folder. Otherwise, folder creation will fail.

Cancel **Create folder**

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USD/CNY +0.52%

Search       

ENG IN 01:49 10-11-2024

Console Home | Load balance | athena-ec2- | Query editor | AWS Athena | aws documenter | ec2-athena-e | AWS and Lin | (1) WhatsApp | + | - | X

us-east-1.console.aws.amazon.com/athena/home?region=us-east-1#/query-editor/history/5a70ed1d-01d0-4f68-a3d1-3804c0264332

Gmail YouTube YouTube All Bookmarks

AWS Services Search [Alt+S]

Amazon Athena > Query editor

Editor Recent queries Saved queries Settings Workgroup primary

**Data**

Query 1 : X | Query 2 : X

```
1 ~ CREATE EXTERNAL TABLE IF NOT EXISTS alb_logs (|  
2   type string,  
3   time string,  
4   elb string,  
5   client_ip string,  
6   client_port int,  
7   target_ip string,  
8   target_port int,  
9   request_processing_time double,  
10  target_processing_time double,  
11  response_processing_time double,  
12  elb_status_code int,  
13  target_status_code string,  
14  received_bytes bigint,  
15  sent_bytes bigint,  
16  request_verb string,  
17  request_url string,  
18  request_proto string,  
19  user_agent string,  
20  ssl_cipher string,  
21  ssl_protocol string,  
22  target_group_arn string,  
23  trace_id string,  
24  domain_name string,  
25  chosen_cert_arn string,  
26  matched_rule_priority string,  
27  request_creation_time string,  
28  actions_executed string,  
29  redirect_url string,  
30  lambda_error_reason string,  
31  target_port_list string,
```

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USD/CAD +0.34% ENG IN 01:53 10-11-2024

Search 🌐 🏰 📁 📈 📥 📺 📅

us-east-1.console.aws.amazon.com/athena/home?region=us-east-1#/query-editor/history/5a70ed1d-01d0-4f68-a3d1-3804c0264332

Gmail YouTube YouTube

aws Services Search [Alt+S]

Data source: AwsDataCatalog

Database: default

Tables and views: Create Filter tables and views

Tables (1): alb\_logs

Views (0)

```
11 response_processing_time double,
12 elb_status_code int,
13 target_status_code string,
14 received_bytes bigint,
15 sent_bytes bigint,
16 request_verb string,
17 request_url string,
18 request_proto string,
19 user_agent string,
20 ssl_cipher string,
21 ssl_protocol string,
22 target_group_arn string,
23 trace_id string,
24 domain_name string,
25 chosen_cert_arn string,
26 matched_rule_priority string,
27 request_creation_time string,
28 actions_executed string,
29 redirect_url string,
30 lambda_error_reason string,
31 target_port_list string,
32 target_status_code_list string,
33 classification string,
34 classification_reason string
35 []
36 ROW FORMAT SERDE 'org.apache.hadoop.hive.serde2.RegexSerDe'
37 WITH SERDEPROPERTIES (
38   'serialization.format' = '1',
39   'input.regex' =
40     '([^\n]+) ([^\n]+) ([^\n]+):([0-9]+) ([^\n]+)[-]([0-9]+) ([^-0-9]+) ([^-0-9]+) ([^-0-9]+)
41   .0-9]+) ([^-0-9]+) (-|[0-9]+) ([^-0-9]+) \"([^\"]*)\" \"([^\"]*)\" \"([^\"]*)\" \\
42   ([A-Z0-9-_]+) ([A-Z0-9-_]+) ([^\n]+) \"([^\"]*)\" \"([^\"]*)\" \"([^\"]*)\" \"([^\"]*)\" \\
43   ([^\n]+) \"([^\"]*)\" \"([^\"]*)\" \"([^\n]+)\" \"([^\n]+)\" \"([^\n]+)\" \"([^\n]+)\" \\
44   \"([^\n]+)\"')
45 LOCATION 's3://athena-ec2-loadbalancing-logs-new/prefix/AWSLogs/047719614436/elasticloadbalancing/us-east-1/'
```

SQL Ln 35, Col 3

Run again Explain Cancel Clear Create Reuse query results up to 60 minutes ago

CloudShell Feedback © 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

Dharamveer Swami... Clearing soon ENG IN 01:53 10-11-2024

**Objects (1) [Info](#)** [Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#)[Delete](#)[Actions ▾](#)[Create folder](#) [Upload](#)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

 Find objects by prefix Show versions

1

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class	
<input type="checkbox"/>	<a href="#">AWSLogs/</a>	Folder	-	-	-	

09/

Copy S3 URI

Objects Properties

Objects (6) Info

Copy S3 URI  Copy URL  Download  Open  Delete  Actions  Create folder  Upload

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Find objects by prefix

Show versions

< 1 >

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	<a href="#">047719614436_elasticloadbalancing_us-east-1_app.ec2-ethena-elb.38db481dc67573b2_20241109T2015Z_44.205.200.50_4n6wgujz.log.gz</a>	gz	November 10, 2024, 01:45:05 (UTC+05:30)	419.0 B	Standard
<input type="checkbox"/>	<a href="#">047719614436_elasticloadbalancing_us-east-1_app.ec2-ethena-elb.38db481dc67573b2_20241109T2015Z_54.162.221.206_5lu2zjue.log.gz</a>	gz	November 10, 2024, 01:45:05 (UTC+05:30)	545.0 B	Standard
<input type="checkbox"/>	<a href="#">047719614436_elasticloadbalancing_us-east-1_app.ec2-ethena-.....</a>	gz	November 10, 2024, 01:55:05 (UTC+05:30)	1012.0 B	Standard

Amazon Athena

Query editor

Notebook editor [New](#)

Notebook explorer [New](#)

Jobs

Workflows  
Powered by Step Functions

Administration

Workgroups

Data sources

Turn on compact mode

up to 60 minutes ago

Query results    Query stats

Completed    Time in queue: 127 ms    Run time: 385 ms    Data scanned: 9.27 KB

Results (10)    Copy    Download results

Search rows   

#	type	time	elb	client_ip	client_port
1	http	2023-10-28T14:32:35.409321Z	app/ec2-athena-alb/b0f59e957a25868c	185.254.196.186	59326
2	http	2023-10-28T14:32:36.163258Z	app/ec2-athena-alb/b0f59e957a25868c	185.254.196.186	60940
3	http	2023-10-28T15:23:57.046447Z	app/ec2-athena-alb/b0f59e957a25868c	18.223.113.110	59252
4	http	2023-10-28T14:56:11.756333Z	app/ec2-athena-alb/b0f59e957a25868c	20.251.160.194	51597
5	http	2023-10-28T14:56:12.059103Z	app/ec2-athena-alb/b0f59e957a25868c	20.251.160.194	51603
6	http	2023-10-28T15:00:51.983275Z	app/ec2-athena-alb/b0f59e957a25868c	43.154.128.189	52990
7	http	2023-10-28T15:14:31.881830Z	app/ec2-athena-alb/b0f59e957a25868c	43.154.128.189	43112
8	http	2023-10-28T14:34:22.742014Z	app/ec2-athena-alb/b0f59e957a25868c	34.213.82.208	60730
9	http	2023-10-28T14:34:23.185553Z	app/ec2-athena-alb/b0f59e957a25868c	34.213.82.208	60740
10	http	2023-10-28T14:34:23.769136Z	app/ec2-athena-alb/b0f59e957a25868c	34.213.82.208	60746

## Amazon Athena



### Query editor

Notebook editor [New](#)  
Notebook explorer [New](#)

### Jobs

Workflows  
Powered by Step Functions

### Administration

Workgroups  
Data sources

Turn on compact mode

## Data



### Data source

AwsDataCatalog

### Database

default

### Tables and views

Create



Filter tables and views

#### Tables (1)

< 1 >

alb\_logs



#### Views (0)

< 1 >

```
1 SELECT COUNT(request_verb) AS
2   count,
3     request_verb,
4     client_ip
5   FROM alb_logs
6 GROUP BY request_verb, client_ip
7 LIMIT 100;
```

SQL Ln 7, Col 11

**Run again**

Explain

Cancel

Clear

Create

Reuse query results  
up to 60 minutes ago

Query results

Query stats

Completed

Time in queue: 241 ms Run time: 714 ms Data scanned: 10.42 KB

Results (10)

Copy

Download results

Completed

Time in queue: 241 ms

Run time: 714 ms

Data scanned: 10.42 KB

## Results (10)

 Copy

Download results

 Search rows

< 1 > 

#	count	request_verb	client_ip
1	28	POST	34.213.82.208
2	1	GET	20.251.160.194
3	1	POST	20.251.160.194
4	2	GET	18.223.113.110
5	2	GET	167.248.133.185
6	1	-	167.248.133.185
7	2	GET	185.254.196.186
8	57	GET	34.213.82.208
9	2	HEAD	43.154.128.189
10	1	POST	109.65.140.106

QuickSight

Datasets

Create a Dataset

FROM NEW DATA SOURCES

- Upload a file (.csv, .tsv, .clf, .elf, .xlsx, .json)
- Athena
- MySQL

Choose your table

AwsDataCatalog

Catalog: contain sets of databases.

AwsDataCatalog

Database: contain sets of tables.

default

Tables: contain the data you can visualize.

alb\_logs

Edit/Preview data   Use custom SQL   Select

S3

Redshift

Manual connect

SQL Server

SPICE capacity for this region: 14.5MB of 1GB

The screenshot displays the QuickSight interface for creating a new dataset. On the left, there's a sidebar with 'Datasets' selected. Below it, under 'Create a Dataset' and 'FROM NEW DATA SOURCES', there are three cards: 'Upload a file' (with CSV, TSV, CLF, ELF, XLSX, JSON extensions listed), 'Athena', and 'MySQL'. A central modal window titled 'Choose your table' is open. It shows the 'AwsDataCatalog' catalog, the 'default' database, and the 'alb\_logs' table. At the bottom of the modal are three buttons: 'Edit/Preview data', 'Use custom SQL', and a blue 'Select' button. To the right of the modal, the main workspace shows other data source cards: 'S3' (with a red puzzle piece icon), 'Redshift' (with a blue cylinder icon and 'Manual connect' note), and 'SQL Server' (with a teal cylinder icon).

