

Create a S3 bucket, with no public access and upload files to the bucket & view the logs using cloudwatch for the uploaded files.

The screenshot shows two main sections of the AWS S3 console:

General purpose buckets (1)

- Buckets are containers for data stored in S3.
- Search bar: Find buckets by name
- Action buttons: Copy ARN, Empty, Delete, Create bucket
- Table headers: Name, AWS Region, Creation date
- Data row: mygulficloud (selected), Asia Pacific (Mumbai) ap-south-1, November 10, 2025, 15:48:56 (UTC+05:30)

Objects (5)

- 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](#)
- Search bar: Find objects by prefix
- Action buttons: Copy S3 URI, Copy URL, Download, Open, Delete, Actions, Create folder, Upload
- Table headers: Name, Type, Last modified, Size, Storage class
- Data rows:

Name	Type	Last modified	Size	Storage class
cart.html	html	November 10, 2025, 16:01:09 (UTC+05:30)	32.2 KB	Standard
cheackout.html	html	November 10, 2025, 16:01:10 (UTC+05:30)	42.1 KB	Standard
contact.html	html	November 10, 2025, 16:01:10 (UTC+05:30)	31.8 KB	Standard
Electro.jpg	jpg	November 10, 2025, 16:01:10 (UTC+05:30)	90.2 KB	Standard
index.html	html	November 10, 2025, 16:01:11 (UTC+05:30)	145.7 KB	Standard

Terminal Output:

```
~ $ aws s3 ls s3://mygulficloud
2025-11-10 10:31:10    92350 Electro.jpg
2025-11-10 10:31:09    32975 cart.html
2025-11-10 10:31:10    43079 cheackout.html
2025-11-10 10:31:10    32574 contact.html
2025-11-10 10:31:11   149180 index.html
~ $ aws s3 ls s3://mygulficloud
2025-11-10 10:31:10    92350 Electro.jpg
2025-11-10 10:31:09    32975 cart.html
2025-11-10 10:31:10    43079 cheackout.html
~ $
```

2. Launch two ec2-instances and connect it to a application load balancer, where the output traffic from the server must be an load balancer IP address

VPC created with 2 pub subnets in 2 different zone



Created EC2 instance each in a zone and installed Apache and Nginx in EC2.

The screenshot shows the AWS Instances page with a green header message: 'Successfully initiated termination (deletion) of i-0a4842f25683e62f9'. Below it, there are two EC2 instances listed:

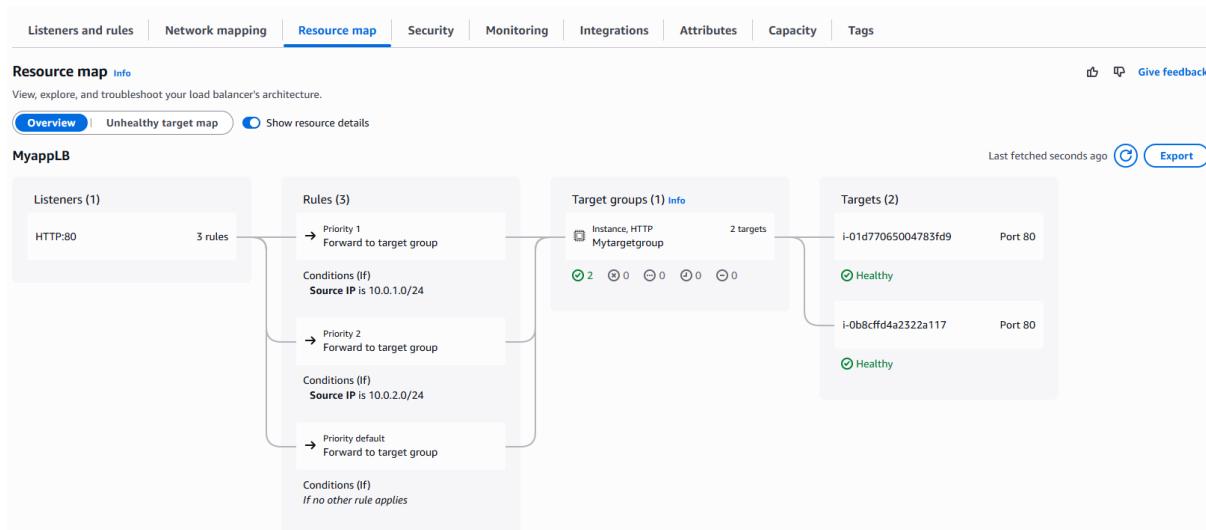
Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 IP	Elastic IP
Ubuntuwebhost	i-01d77065004783fd9	Running	t3.micro	3/3 checks passed	View alarms	ap-south-1b	-	13.204.84.169	-
Ngnixwebserver	i-0b8cffd4a2322a117	Running	t3.micro	3/3 checks passed	View alarms	ap-south-1a	-	13.234.114.44	-

Created Target group for the LB

The screenshot shows the AWS Targets page. It displays two registered targets:

Instance ID	Name	Port	Zone	Health status	Health status details	Administrative override	Override details	Launch...	Anoma...
i-01d77065004783fd9	Ubuntuwebhost	80	ap-south-1b (a...)	Healthy	-	No override	No override is currentl...	November...	<input checked="" type="checkbox"/> Nor
i-0b8cffd4a2322a117	Ngnixwebserver	80	ap-south-1a (a...)	Healthy	-	No override	No override is currentl...	November...	<input checked="" type="checkbox"/> Nor

Created App Load Balancer :



Testing connectivity:

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/
|-- apache2.conf
|   '-- ports.conf
|-- mods-enabled
|   '-- *.Load
|   '-- *.conf
|-- conf-enabled
|   '-- *.conf
|-- sites-enabled
|   '-- *.conf
```

- `apache2.conf` is the main configuration file. It puts the pieces together by including all remaining

Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.