

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

Creating S3 Bucket:

The screenshot shows the AWS Management Console interface for creating a new S3 bucket. The top navigation bar includes the AWS logo, a search bar, and the user's profile. The left sidebar shows the 'Amazon S3' menu with options like 'General purpose buckets', 'Directory buckets', 'Table buckets', 'Access Grants', 'Access Points', 'Object Lambda Access Points', 'Multi-Region Access Points', 'Batch Operations', 'IAM Access Analyzer for S3', 'Block Public Access settings for this account', 'Storage Lens', 'Dashboards', 'Storage Lens groups', 'AWS Organizations settings', and 'Feature spotlight'. The main content area is titled 'Storage Amazon S3 Store and retrieve any amount of data from anywhere'. It includes a 'Create a bucket' button, a 'Pricing' section with a 'View pricing details' link, and a 'Resources' section. The 'General configuration' section is expanded, showing the 'AWS Region' as 'US East (N. Virginia) us-east-1', the 'Bucket type' as 'General purpose', the 'Bucket name' as 'guvi-s3bucket', and the 'Copy settings from existing bucket - optional' section. The 'Object Ownership' section is also expanded, showing 'ACLs disabled (recommended)' selected. The 'Pricing' section includes a 'Create bucket' button and a 'View pricing details' link.

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-s3bucket
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.

Create a bucket
Every object in S3 is stored in a bucket. To upload files and folders to S3, you'll need to create a bucket where the objects will be stored.
[Create bucket](#)

Pricing
With S3, there are no minimum fees. You only pay for what you use. Prices are based on the location of your S3 bucket.
Estimate your monthly bill using the [AWS Simple Monthly Calculator](#)
[View pricing details](#)

Resources [Info](#)

Block All Public Access:

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 is 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.

Successfully created bucket "guvi-s3bucket"
To upload files and folders, or to configure additional bucket settings, choose [View details](#).

Account snapshot - updated every 24 hours All AWS Regions [View Storage Lens dashboard](#)

Storage lens provides visibility into storage usage and activity trends. Metrics don't include directory buckets. [Learn more](#)

General purpose buckets | Directory buckets

General purpose buckets (1) All AWS Regions

Buckets are containers for data stored in S3.

Name	AWS Region	IAM Access Analyzer	Creation date
guvi-s3bucket	US East (N. Virginia) us-east-1	View analyzer for us-east-1	January 5, 2025, 07:38:42 (UTC+05:30)

Uploading Document:

guvi-s3bucket Info

Objects | Metadata - Preview | Properties | Permissions | Metrics | Management | Access Points

Objects (0) 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](#)

Name	Type	Last modified	Size	Storage class
No objects You don't have any objects in this bucket.				

[Upload](#)

aws

Search

[Alt+S]

United States (N. Virginia)

sureshkrishnan2214

Amazon S3

Buckets

guvi-s3bucket

Upload

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDKs or Amazon S3 REST API. [Learn more](#)

Drag and drop files and folders you want to upload here, or choose **Add files** or **Add folder**.

Files and folders (0)

All files and folders in this table will be uploaded.

Find by name

Name

Folder

Type

Size

No files or folders

You have not chosen any files or folders to upload.

Remove

Add files

Add folder

Destination

Destination

s3://guvi-s3bucket

Destination details

Bucket settings that impact new objects stored in the specified destination.

Permissions

Grant public access and access to other AWS accounts.

Files Uploaded:

aws

Search

[Alt+S]

United States (N. Virginia)

sureshkrishnan2214

Amazon S3

Buckets

guvi-s3bucket

Upload succeeded

For more information, see the **Files and folders** table.

Close

Upload: status

After you navigate away from this page, the following information is no longer available.

Summary

Destination

s3://guvi-s3bucket

Succeeded

1 file, 2.3 MB (100.00%)

Failed

0 files, 0 B (0%)

Files and folders

Configuration

Files and folders (1 total, 2.3 MB)

Find by name

Name

Folder

Type

Size

Status

Error

AWS Task 2 - Create VPC.pdf

-

application/pdf

2.3 MB

Succeeded

-

aws

Search

lambda

United States (N. Virginia)

sureshkrishnan2214

Amazon S3

Buckets

guvi-s3bucket

Amazon S3

General purpose buckets

Directory buckets

Table buckets

Access Grants

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

Dashboards

Storage Lens groups

AWS Organizations settings

Feature spotlight

Objects (11)

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

Name

Type

Last modified

Size

Storage class

2025-01-05-07-45-03-666A5669EE4623AC

-

January 5, 2025, 13:15:04 (UTC+05:30)

1.2 KB

Standard

2025-01-05-08-22-51-9AFB9F415483A281

-

January 5, 2025, 13:52:52 (UTC+05:30)

453.0 B

Standard

2025-01-05-08-25-46-9E19072B03523769

-

January 5, 2025, 13:55:47 (UTC+05:30)

473.0 B

Standard

2025-01-05-08-28-08-91507D39C7CC2CAB

-

January 5, 2025, 13:58:09 (UTC+05:30)

452.0 B

Standard

2025-01-05-08-32-01-E7E1EAF92777DC78

-

January 5, 2025, 14:02:02 (UTC+05:30)

453.0 B

Standard

2025-01-05-08-41-27-18A3BD84AE11E601

-

January 5, 2025, 14:11:28 (UTC+05:30)

452.0 B

Standard

AWS Task 2 - Create VPC.pdf

pdf

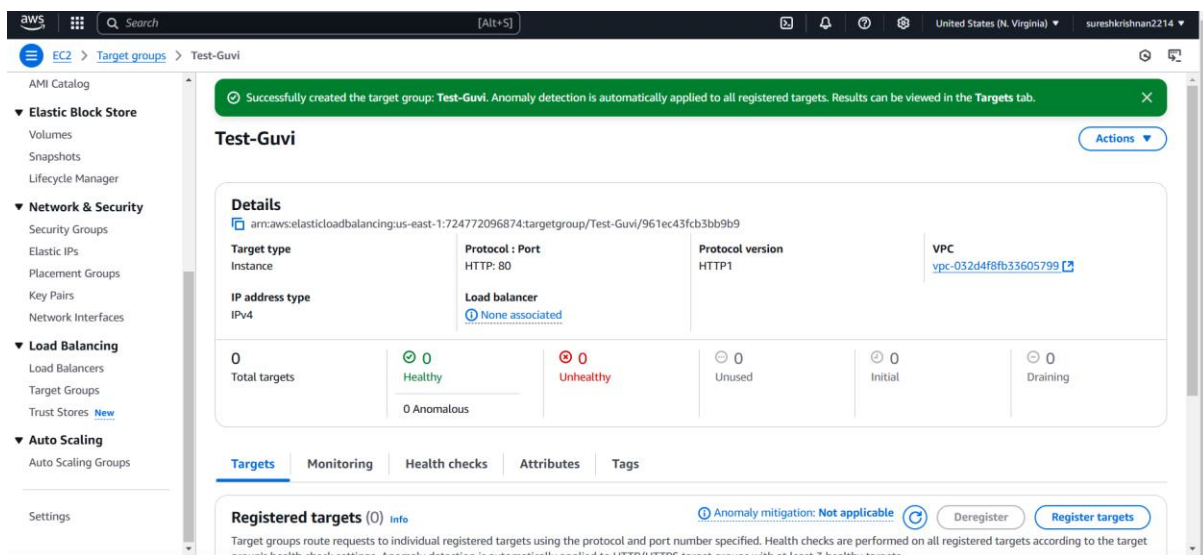
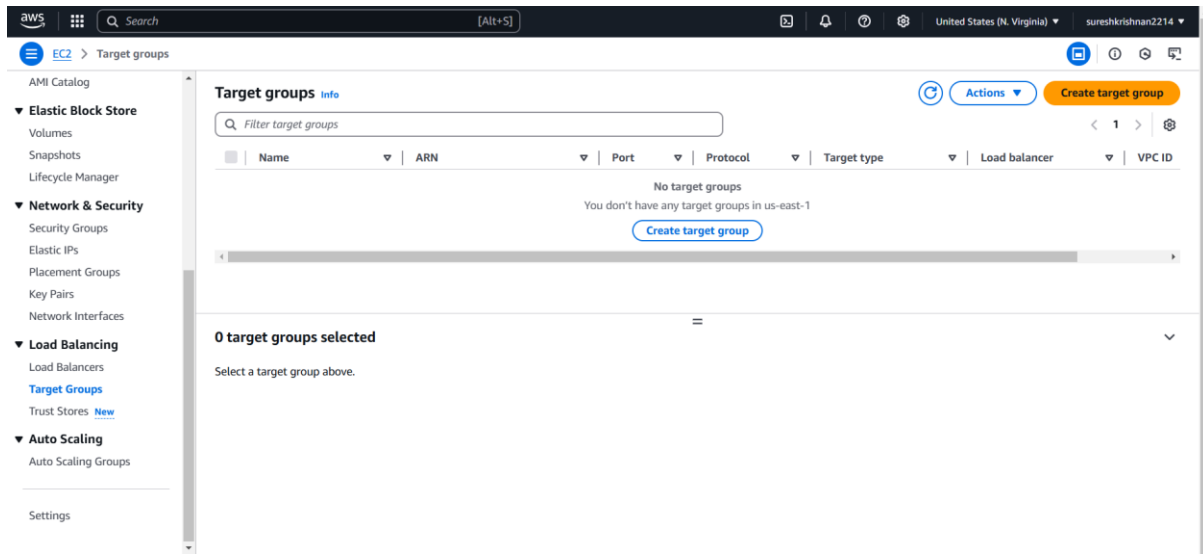
January 5, 2025, 07:41:29 (UTC+05:30)

2.3 MB

Standard

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

Creating Target Group:



Create Autoscaling Group:

The screenshot shows the Amazon EC2 Auto Scaling console. The left sidebar contains navigation links for AMI Catalog, Elastic Block Store, Network & Security, Load Balancing, and Auto Scaling. The main content area features a large header with the text "Amazon EC2 Auto Scaling helps maintain the availability of your applications". Below this, there is a "How it works" diagram showing an Auto Scaling group with four instances. To the right, there are sections for "Create Auto Scaling group", "Pricing", and "Getting started".

Create Auto Scaling group

Get started with EC2 Auto Scaling by creating an Auto Scaling group.

[Create Auto Scaling group](#)

How it works

Auto Scaling groups are collections of Amazon EC2 instances that enable automatic scaling and fleet management features. These features help you maintain the health and availability of your applications.

Pricing

Amazon EC2 Auto Scaling features have no additional fees beyond the service fees for Amazon EC2, CloudWatch (for scaling policies), and the other AWS resources that you use. Visit the pricing page of each service to learn more.

Getting started

[What is Amazon EC2 Auto Scaling?](#)

The screenshot shows the Amazon EC2 Auto Scaling console with the "Auto Scaling groups (1)" page. The left sidebar is the same as the previous screenshot. The main content area displays a table of Auto Scaling groups. The table has columns for Name, Launch template/configuration, Instances, Status, Desired capacity, Min, and Max. There is one group listed: "Test-Autoscal" with a launch template of "Test-Temp" and a version of "Default".

Auto Scaling groups (1)

[Launch configurations](#) [Launch templates](#) [Actions](#) [Create Auto Scaling group](#)

Search your Auto Scaling groups

Name	Launch template/configuration	Instances	Status	Desired capacity	Min	Max
Test-Autoscal	Test-Temp Version Default	2	-	2	1	5

Two EC2 Instance Running successfully by Auto scaling:

The screenshot shows the Amazon EC2 console with the "Instances (2)" page. The left sidebar contains navigation links for Dashboard, EC2 Global View, Events, Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, Images, AMIs, and Elastic Block Store. The main content area displays a table of EC2 instances. The table has columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, Availability Zone, and Public IP. There are two instances listed, both in the "Running" state.

Instances (2)

Last updated less than a minute ago

[Connect](#) [Instance state](#) [Actions](#) [Launch instances](#)

Find Instance by attribute or tag (case-sensitive)

Instance filters: [Instance state = running](#) [Clear filters](#)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
	i-0964e5a6fe5ac2012	Running	t2.micro	2/2 checks passed	View alarms	us-east-1a	ec2-54-2
	i-05468805647d22769	Running	t2.micro	2/2 checks passed	View alarms	us-east-1b	ec2-3-84

Select an instance

aws

Search

[Alt+S]