

ASSIGNMENT 5

Console Home

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- Lambda
- AWS Health Dashboard
- Lightsail
- AWS Auto Scaling
- Simple Notification Service
- CloudWatch
- RDS
- AWS Budgets

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EC2 Dashboard

Dedicated Hosts	Instances	Key pairs
0	4	4
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Easily size, configure, and deploy Microsoft SQL Server Always On availability groups on AWS using the AWS Launch Wizard for SQL Server. [Learn more](#)

Launch instance

[Launch instance](#) [Launch instance from template](#) [Launch instance ▾](#) [Migrate a server](#)

Service health

[AWS Health Dashboard](#)

Region: Asia Pacific (Tokyo)

Explore AWS

10 Things You Can Do Today to Reduce AWS Costs

Enable Best Price-Performance with AWS Graviton2

EC2 > Instances > Launch an instance

Launch an instance

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

Name: tom1 [Add additional tags](#)

Application and OS Images (Amazon Machine Image)

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](#)

Summary

Number of instances: 1

Software Image (AMI): Amazon Linux 2 Kernel 5.10 AMI... [read more](#)

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

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

[Cancel](#) [Launch instance](#)

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.

Quick Start

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

Amazon Machine Image (AMI)

Ubuntu Server 22.04 LTS (HVM), SSD Volume Type Free tier eligible

ami-0b828c1c5ac3f13ee (64-bit (x86)) / ami-0fa715233bba2f42e (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Summary

Number of instances [Info](#)
1

Software Image (AMI)
Canonical, Ubuntu, 22.04 LTS, ...[read more](#)
ami-0b828c1c5ac3f13ee

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

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

[Cancel](#) [Launch instance](#)

Ubuntu Server 22.04 LTS (HVM), SSD Volume Type Free tier eligible

ami-0b828c1c5ac3f13ee (64-bit (x86)) / ami-0fa715233bba2f42e (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Description
Canonical, Ubuntu, 22.04 LTS, amd64 jammy image build on 2023-02-08

Architecture AMI ID
64-bit (x86) ami-0b828c1c5ac3f13ee [Verified provider](#)

Instance type [Info](#)

Instance type
t2.micro Free tier eligible

Family: t2 1 vCPU 1 GiB Memory
On-Demand Windows pricing: 0.0198 USD per Hour
On-Demand SUSE pricing: 0.0152 USD per Hour
On-Demand RHEL pricing: 0.0752 USD per Hour
On-Demand Linux pricing: 0.0152 USD per Hour

[Compare instance types](#)

Summary

Number of instances [Info](#)
1

Software Image (AMI)
Canonical, Ubuntu, 22.04 LTS, ...[read more](#)
ami-0b828c1c5ac3f13ee

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

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1 volume(s) - 8 GiB

[Cancel](#) [Launch instance](#)

Enter the name of the key pair below. When prompted, store the private key in a secure and accessible location on your computer. **You will need it later to connect to your instance.** [Learn more](#)

Key pair name

The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type
 RSA
RSA encrypted private and public key pair

ED25519
ED25519 encrypted private and public key pair (Not supported for Windows instances)

Private key file format
 .pem
For use with OpenSSH

.ppk
For use with PuTTY

[Cancel](#) [Create key pair](#) [Launch instance](#)

Network settings

Network Info: vpc-05e9685f74c9aec1e

Subnet Info: No preference (Default subnet in any availability zone)

Auto-assign public IP: **Info** Enable

Firewall (security groups) Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group Select existing security group

We'll create a new security group called 'launch-wizard-5' with the following rules:

- Allow SSH traffic from Anywhere 0.0.0.0/0
- Allow HTTPS traffic from the internet To set up an endpoint, for example when creating a web server
- Allow HTTP traffic from the internet

Summary

Number of instances: **Info** 1

Software Image (AMI): Canonical, Ubuntu, 22.04 LTS, ... [read more](#)

ami-0b828c1c5ac3f13ee

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

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

Launch instance

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

Security group name - **required**: launch-wizard-5

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and _-./@#=;&;!\$^*

Description - **required** Info: launch-wizard-5 created 2023-03-05T06:21:08.819Z

Inbound security groups rules

Security group rule 1 (TCP, 22, 0.0.0.0/0)

Type Info : ssh	Protocol Info : TCP	Port range Info : 22
Source type Info : Anywhere	Source Info : Add CIDR, prefix list or security group	Description - optional Info : e.g. SSH for admin desktop

Summary

Number of instances: **Info** 1

Software Image (AMI): Canonical, Ubuntu, 22.04 LTS, ... [read more](#)

ami-0b828c1c5ac3f13ee

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

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

Launch instance

Security group rule 2 (TCP, 80, 0.0.0.0/0)

Type Info : HTTP	Protocol Info : TCP	Port range Info : 80
Source type Info : Anywhere	Source Info : Add CIDR, prefix list or security group	Description - optional Info : e.g. SSH for admin desktop

Security group rule 3 (TCP, 443, 0.0.0.0/0)

Type Info : HTTPS	Protocol Info : TCP	Port range Info : 443
Source type Info : Anywhere	Source Info : Add CIDR, prefix list or security group	Description - optional Info : e.g. SSH for admin desktop

[Add security group rule](#)

Summary

Number of instances: **Info** 1

Software Image (AMI): Canonical, Ubuntu, 22.04 LTS, ... [read more](#)

ami-0b828c1c5ac3f13ee

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

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

Launch instance

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Configure storage Advanced

1x 8 GiB gp2 Root volume (Not encrypted)

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

Add new volume

The selected AMI contains more instance store volumes than the instance allows. Only the first 0 instance store volumes from the AMI will be accessible from the instance

0 x File systems Edit

Advanced details Info

Summary

Number of instances Info 1

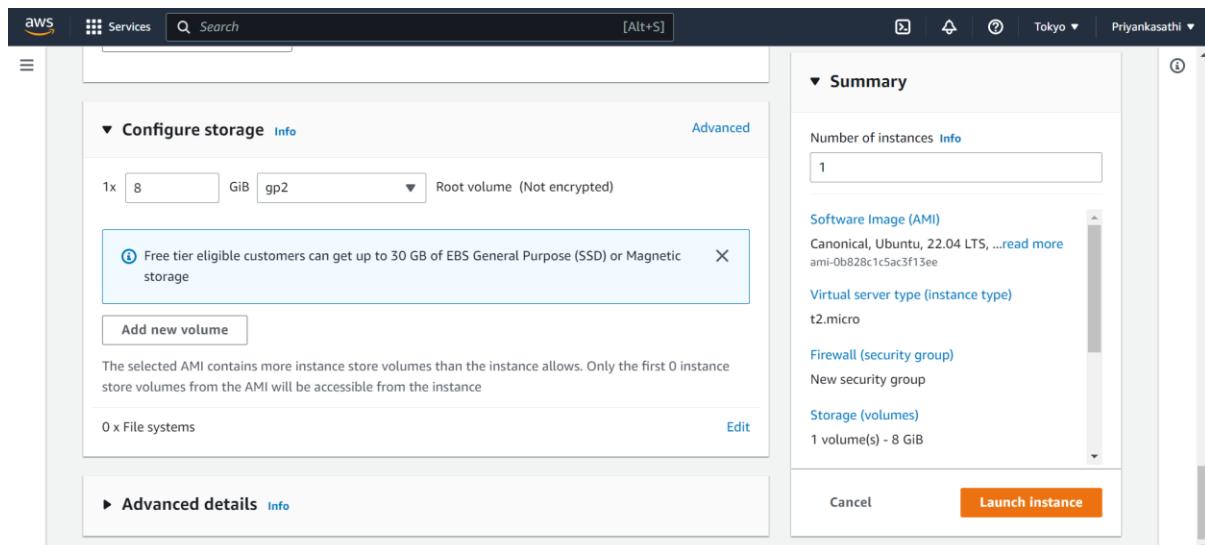
Software Image (AMI) Canonical, Ubuntu, 22.04 LTS, ...read more ami-0b828c1c5ac3f13ee

Virtual server type (instance type) t2.micro

Firewall (security group) New security group

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

Cancel Launch instance



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EC2 > Instances > Launch an instance

Success Successfully initiated launch of instance (i-0c137555a2052a0f0)

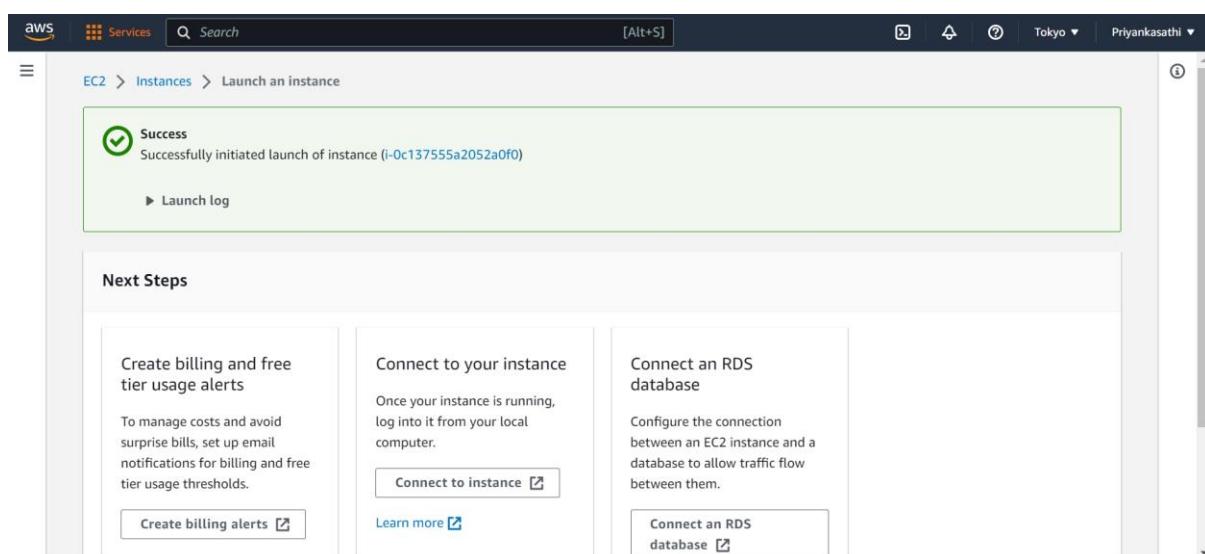
Launch log

Next Steps

Create billing and free tier usage alerts To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds. Create billing alerts

Connect to your instance Once your instance is running, log into it from your local computer. Connect to instance Learn more

Connect an RDS database Configure the connection between an EC2 instance and a database to allow traffic flow between them. Connect an RDS database



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New EC2 Experience Tell us what you think

EC2 Dashboard

EC2 Global View

Events

Tags

Limits

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

Instances (1/3) Info Find instance by attribute or tag (case-sensitive)

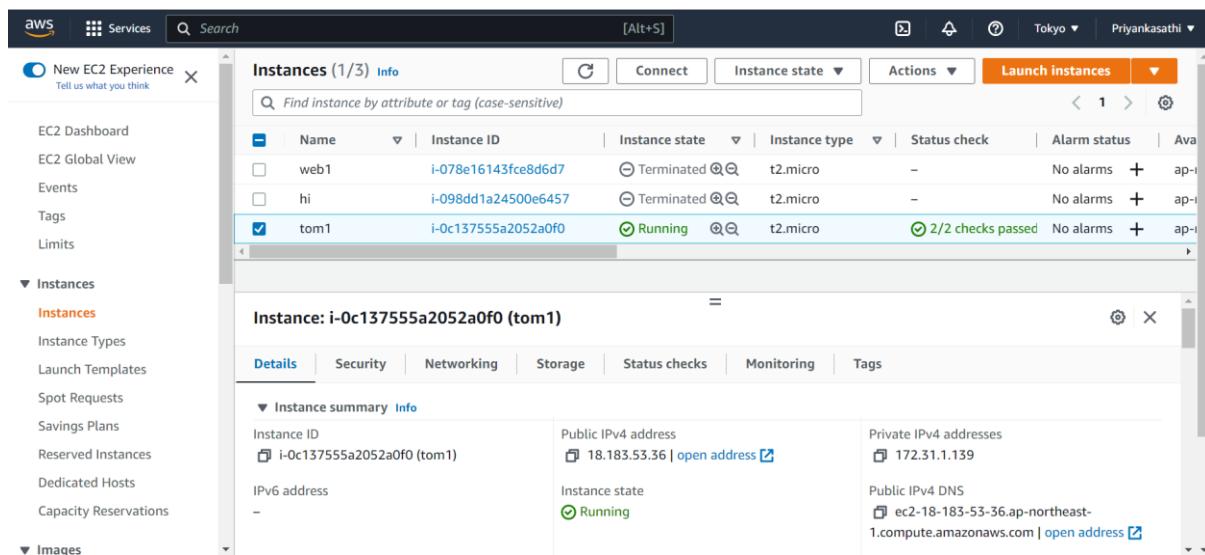
Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Avail.
web1	i-078e16143fce8d6d7	Terminated	t2.micro	-	No alarms	+ ap-northeast-1
hi	i-098dd1a24500e6457	Terminated	t2.micro	-	No alarms	+ ap-northeast-1
tom1	i-0c137555a2052a0f0	Running	t2.micro	2/2 checks passed	No alarms	+ ap-northeast-1

Instance: i-0c137555a2052a0f0 (tom1)

Details Security Networking Storage Status checks Monitoring Tags

Instance summary Info

Instance ID i-0c137555a2052a0f0 (tom1)	Public IPv4 address 18.183.53.36 open address	Private IPv4 addresses 172.31.1.139
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-18-183-53-36.ap-northeast-1.compute.amazonaws.com open address



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AWS Console Home Connect to instance Info

Connect to your instance i-0c137555a2052a0f0 (tom1) using any of these options

EC2 Instance Connect Session Manager **SSH client** EC2 serial console

Instance ID **i-0c137555a2052a0f0** (tom1)

1. Open an SSH client.
2. Locate your private key file. The key used to launch this instance is tom_pair.pem
3. Run this command, if necessary, to ensure your key is not publicly viewable.
chmod 400 tom_pair.pem
4. Connect to your instance using its Public DNS:
ec2-18-183-53-36.ap-northeast-1.compute.amazonaws.com

Example:

ssh -i "tom_pair.pem" ubuntu@ec2-18-183-53-36.ap-northeast-1.compute.amazonaws.com

Note: In most cases, the guessed user name is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name.

```
ubuntu@ip-172-31-1-139: ~
priyanka@LAPTOP-90M8TUSU MINGW64 ~
$ cd downloads
priyanka@LAPTOP-90M8TUSU MINGW64 ~/downloads
$ ssh -i "tom_pair.pem" ubuntu@ec2-18-183-53-36.ap-northeast-1.compute.amazonaws.com
The authenticity of host 'ec2-18-183-53-36.ap-northeast-1.compute.amazonaws.com (18.183.53.36)' can't be established.
ED25519 key fingerprint is SHA256:YmVxg1khdpj15yuTx18n+m6w2OZF6emmitQfVn/Y.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-18-183-53-36.ap-northeast-1.compute.amazonaws.com' (ED25519) to the list of known hosts.
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-1028-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

 System information as of Sun Mar  5 06:52:21 UTC 2023

 System load: 0.0      Processes:         96
 Usage of /: 19.8% of 7.57GB   Users logged in: 0
 Memory usage: 19%           IPv4 address for eth0: 172.31.1.139
 Swap usage: 0K

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.

ubuntu@ip-172-31-1-139:~$ |
```

```
ubuntu@ip-172-31-1-139:~$ sudo apt update
Hit:1 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:3 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease [107 kB]
Get:4 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:5 http://security.ubuntu.com/ubuntu jammy/universe Translation-en [5652 kB]
Get:6 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 c-n-f Metadata [286 kB]
Get:7 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [217 kB]
Get:8 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse Translation-en [112 kB]
Get:9 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 c-n-f Metadata [8372 B]
Get:10 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [939 kB]
Get:11 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [203 kB]
Get:12 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 c-n-f Metadata [18.6 kB]
Get:13 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 c-n-f Metadata [679 kB]
Get:14 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse Translation-en [106 kB]
Get:15 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [584 B]
Get:16 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 c-n-f Metadata [584 B]
Get:17 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [877 kB]
Get:18 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [172 kB]
Get:19 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 c-n-f Metadata [17.9 kB]
Get:20 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [9652 B]
Get:21 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse Translation-en [3260 B]
Get:22 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 c-n-f Metadata [444 B]
Get:23 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 Packages [10.7 kB]
Get:24 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main Translation-en [9800 B]
Get:25 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 c-n-f Metadata [392 B]
Get:26 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/restricted amd64 c-n-f Metadata [116 B]
Get:27 http://ap-northeast-1.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [19.5 kB]
Get:28 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe Translation-en [14.0 kB]
Get:29 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 c-n-f Metadata [392 B]
Get:30 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/multiverse amd64 c-n-f Metadata [116 B]
Get:31 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [680 kB]
Get:32 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [138 kB]
Get:33 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [8528 B]
Get:34 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [637 kB]
Get:35 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [99.7 kB]
Get:36 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [696 kB]
Get:37 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [111 kB]
Get:38 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [13.5 kB]
Get:39 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [4960 B]
Get:40 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [996 B]
Fetched 13.7 MB in 5s (5701 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
38 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-31-1-139:~$ |
```

```
ubuntu@ip-172-31-1-139:~$ sudo apt install nodejs
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  javascript-common libcurl3 libjs-highlight.js libnode72 nodejs-doc
Suggested packages:
  apache2 | lighttpd | httpd rpm
The following NEW packages will be installed:
  javascript-common libcurl3 libjs-highlight.js libnode72 nodejs nodejs-doc
0 upgraded, 6 newly installed, 0 to remove and 38 not upgraded.
Need to get 13.7 MB of archives.
After this operation, 53.9 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy/main amd64 javascript-common all 11+nmul1 [5936 B]
Get:2 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 libjs-highlight.js all 9.18.5+dfsg1-1 [367 kB]
Get:3 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 libcurl3 amd64 1.18.1-lubuntu0.22.04.1 [45.1 kB]
Get:4 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 libnode72 amd64 12.22.9-dfsg-lubuntu0.22.04.1 [10.8 MB]
Get:5 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 nodejs-doc all 12.22.9-dfsg-lubuntu3_1 [2409 kB]
Get:6 http://ap-northeast-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 nodejs amd64 12.22.9-dfsg-lubuntu3 [122 kB]
Fetched 13.7 MB in 19s (27.2 MB/s)
selecting previously unselected package javascript-common.
(Reading database ... 63605 files and directories currently installed.)
Preparing to unpack .../0-javascript-common_11+nmul1.deb ...
Unpacking javascript-common (11+nmul1) ...
selecting previously unselected package libjs-highlight.js.
Preparing to unpack .../1-libjs-highlight.js_9.18.5+dfsg1-1_all.deb ...
Unpacking libjs-highlight.js (9.18.5+dfsg1-1) ...
selecting previously unselected package libcurl3:amd64.
Preparing to unpack .../2-libcurl3_1.18.1-lubuntu0.22.04.1_amd64.deb ...
Unpacking libcurl3:amd64 (1.18.1-lubuntu0.22.04.1) ...
selecting previously unselected package libnode72:amd64.
Preparing to unpack .../3-libnode72_12.22.9-dfsg-lubuntu3_amd64.deb ...
Unpacking libnode72:amd64 (12.22.9-dfsg-lubuntu3) ...
selecting previously unselected package nodejs-doc.
Preparing to unpack .../4-nodejs-doc_12.22.9-dfsg-lubuntu3_all.deb ...
Unpacking nodejs-doc (12.22.9-dfsg-lubuntu3) ...
selecting previously unselected package nodejs.
Preparing to unpack .../5-nodejs_12.22.9-dfsg-lubuntu3_amd64.deb ...
Unpacking nodejs (12.22.9-dfsg-lubuntu3) ...
Setting up javascript-common (11+nmul1) ...
Setting up libcurl3:amd64 (1.18.1-lubuntu0.22.04.1) ...
Setting up libnode72:amd64 (12.22.9-dfsg-lubuntu3) ...
Setting up libjs-highlight.js (9.18.5+dfsg1-1) ...
Setting up nodejs (12.22.9-dfsg-lubuntu3) ...
update-alternatives: using /usr/bin/nodejs to provide /usr/bin/js (js) in auto mode
Setting up nodejs-doc (12.22.9-dfsg-lubuntu3) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for libcurl3:amd64 (1.18.1-lubuntu0.22.04.1) ...
```

```
ubuntu@ip-172-31-1-139:~$ node --version
v12.22.9
ubuntu@ip-172-31-1-139:~$ |
```

Screenshot of the AWS Elastic IP addresses management interface.

The left sidebar shows the navigation menu:

- Images
- AMIs
- AMI Catalog
- Elastic Block Store
 - Volumes
 - Snapshots
 - Lifecycle Manager
- Network & Security
 - Security Groups
 - Elastic IPs** (highlighted)
 - Placement Groups
 - Key Pairs
 - Network Interfaces
- Load Balancing
 - Load Balancers
 - Target Groups

The main content area displays the "Elastic IP addresses" list:

Name	Allocated IPv4 addr...	Type	Allocation ID
[Empty]			

Actions buttons include: Filter, Actions, Allocate Elastic IP address, and a refresh icon.

Below this, the "Allocate Elastic IP address" dialog is open:

Allocate Elastic IP address Info

Elastic IP address settings Info

Network Border Group Info
ap-northeast-1

Public IPv4 address pool

Amazon's pool of IPv4 addresses

Public IPv4 address that you bring to your AWS account (option disabled because no pools found) Learn more

Customer owned pool of IPv4 addresses (option disabled because no customer owned pools found) Learn more

Global static IP addresses

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

Create accelerator Info

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.

Key	Value - optional
myip	elasticip

Add new tag

You can add up to 49 more tag

Buttons: Cancel, Allocate

Elastic IP addresses (1/1)					
		Actions		Allocate Elastic IP address	
<input type="text"/> Filter Elastic IP addresses					
Name	Allocated IPv4 addr...	Type	Allocation ID		
–	3.115.219.86	Public IP	eipalloc-04b46fac41c97ca44		

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EC2 > Elastic IP addresses > Associate Elastic IP address

Associate Elastic IP address Info

Choose the instance or network interface to associate to this Elastic IP address (3.115.219.86)

Elastic IP address: 3.115.219.86

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

Instance
 Network interface

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

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

Instance

Instance

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

Reassociation
Specify whether the Elastic IP address can be reassigned to a different resource if it's already associated with a resource.
 Allow this Elastic IP address to be reassigned

Elastic IP address associated successfully.
Elastic IP address 3.115.219.86 has been associated with instance i-0c137555a2052a0f0

Elastic IP addresses (1/1)

Name	Allocated IPv4 addr...	Type	Allocation ID
3.115.219.86	3.115.219.86	Public IP	einalloc-04b46fac41c97ca44

Summary

Instances (1/3) Info

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Ava
web1	i-078e16143fce8d6d7	Terminated	t2.micro	-	No alarms	ap-i
hi	i-098dd1a24500e6457	Terminated	t2.micro	-	No alarms	ap-i
tom1	i-0c137555a2052a0f0	Running	t2.micro	2/2 checks passed	No alarms	ap-i

Instance: i-0c137555a2052a0f0 (tom1)

Details	Security	Networking	Storage	Status checks	Monitoring	Tags
Instance summary						
Instance ID i-0c137555a2052a0f0 (tom1)	Public IPv4 address 3.115.219.86 open address	Private IPv4 addresses 172.31.1.139				
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-3-115-219-86.ap-northeast-1.compute.amazonaws.com open address				

Details

Answer private resource DNS name IPv4 (A)	Instance type t2.micro	Elastic IP addresses 3.115.219.86 [Public IP]
Auto-assigned IP address -	VPC ID vpc-05e9685f74c9aec1e	AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations.
IAM Role -	Subnet ID subnet-0dbb4e8091477b9eb	Auto Scaling Group name -
Instance details		
Platform Ubuntu (Inferred)	AMI ID ami-0b828c1c5ac3f13ee	Monitoring disabled
Platform details Linux/UNIX	AMI name ubuntu/images/hvm-ssd/ubuntu-jammy-22.04-amd64-server-20230208	Termination protection Disabled
Stop protection Disabled	Launch time Sun Mar 05 2023 12:03:28 GMT+0530 (India Standard Time) (40 minutes)	AMI location amazon/ubuntu/images/hvm-ssd/ubuntu-jammy-22.04-amd64-server-20230208

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Storage

Amazon S3

Store and retrieve any amount of data from anywhere

Amazon S3 is an object storage service that offers industry-leading scalability, data availability, security, and performance.

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](#)

How it works

Introduction to Amazon S3

Copy link

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Create bucket Info

Buckets are containers for data stored in S3. [Learn more](#)

General configuration

Bucket name Bucket name must be globally unique and must not contain spaces or uppercase letters. [See rules for bucket naming](#)

AWS Region

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

Choose bucket

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.

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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.

⚠️ Turning off block all public access might result in this bucket and the objects within becoming public
AWS recommends that you turn on block all public access, unless public access is required for specific and

Turning off block all public access might result in this bucket and the objects within becoming public

AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.

I acknowledge that the current settings might result in this bucket and the objects within becoming public.

Upcoming permission changes to disable any Block Public Access setting

Starting in April 2023, to disable any Block Public Access setting when creating buckets by using the S3 console, you must have the `s3:PutBucketPublicAccessBlock` permission. Learn more [\[Link\]](#)

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 [\[Link\]](#)

Bucket Versioning

Disable
 Enable

Tags (1) - optional

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

Key	Value - optional
bucket1	riyasbucket

[Add tag](#)

Default encryption [Info](#)

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

Encryption key type [Info](#)

Amazon S3 managed keys (SSE-S3)
 AWS Key Management Service key (SSE-KMS)

Bucket Key

When KMS encryption is used to encrypt new objects in this bucket, the bucket key reduces encryption costs by lowering calls to AWS KMS. [Learn more \[Link\]](#)

Disable
 Enable

Amazon S3 [Click to go back; hold to see history.](#) [Alt+S]

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

[View details](#) [X](#) [①](#)

Buckets

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
AWS Organizations settings

Feature spotlight [3](#)

Amazon S3 > Buckets

Account snapshot
Storage lens provides visibility into storage usage and activity trends. [Learn more \[Link\]](#) [View Storage Lens dashboard](#)

Buckets (1) [Info](#)
Buckets are containers for data stored in S3. [Learn more \[Link\]](#)

Name	AWS Region	Access	Creation date
riyasbucket	Asia Pacific (Tokyo) ap-northeast-1	Objects can be public	March 5, 2023, 12:50:01 (UTC+05:30)

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Amazon S3

Buckets

- 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
- AWS Organizations settings

Feature spotlight 3

Objects (0)

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](#)

[Create folder](#) [Upload](#)

[Find objects by prefix](#) [Show versions](#)

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

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Upload [Info](#)

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

Drag and drop files and folders you want to upload here, or choose [Add files](#), or [Add folders](#).

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.			

AWS Console Home AWS Services Search [Alt+S] Global Priyankasathi

Upload [Info](#)

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

Drag and drop files and folders you want to upload here, or choose [Add files](#), or [Add folders](#).

Files and folders (1 Total, 1.3 KB)

All files and folders in this table will be uploaded.

[Find by name](#)

Name	Folder	Type	Size
sample.txt	-	text/plain	1.3 KB

Destination

Destination <s3://rivasbuckett>

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Find by name < 1 > ⓘ

Name	Folder	Type	Size
sample.txt	-	text/plain	1.3 KB

Destination

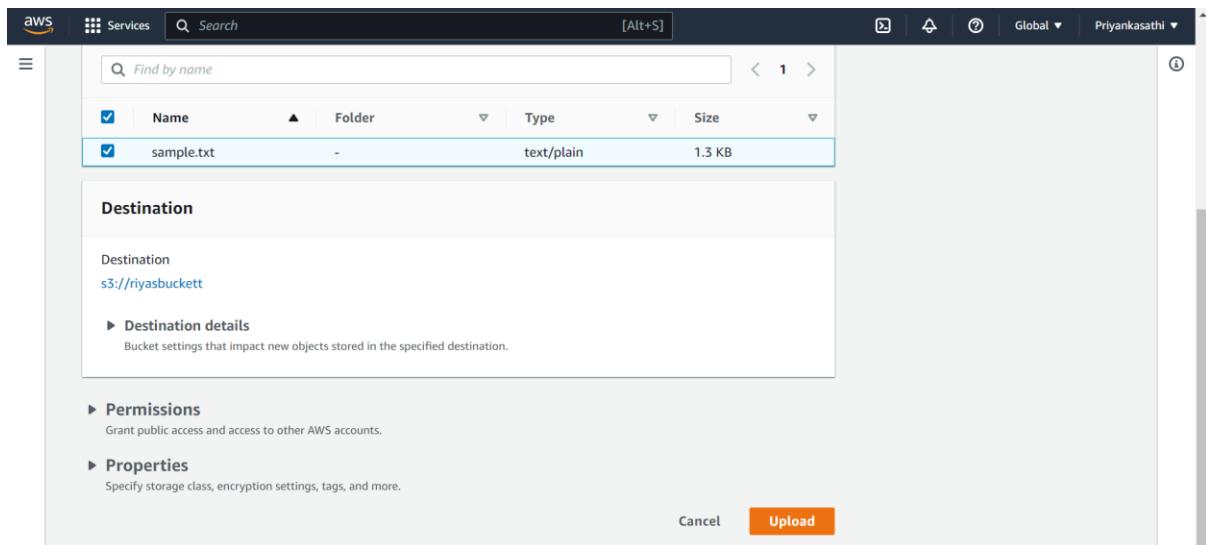
Destination
s3://riyasbuckett

▶ **Destination details**
Bucket settings that impact new objects stored in the specified destination.

▶ **Permissions**
Grant public access and access to other AWS accounts.

▶ **Properties**
Specify storage class, encryption settings, tags, and more.

Cancel Upload



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Upload succeeded View details below.

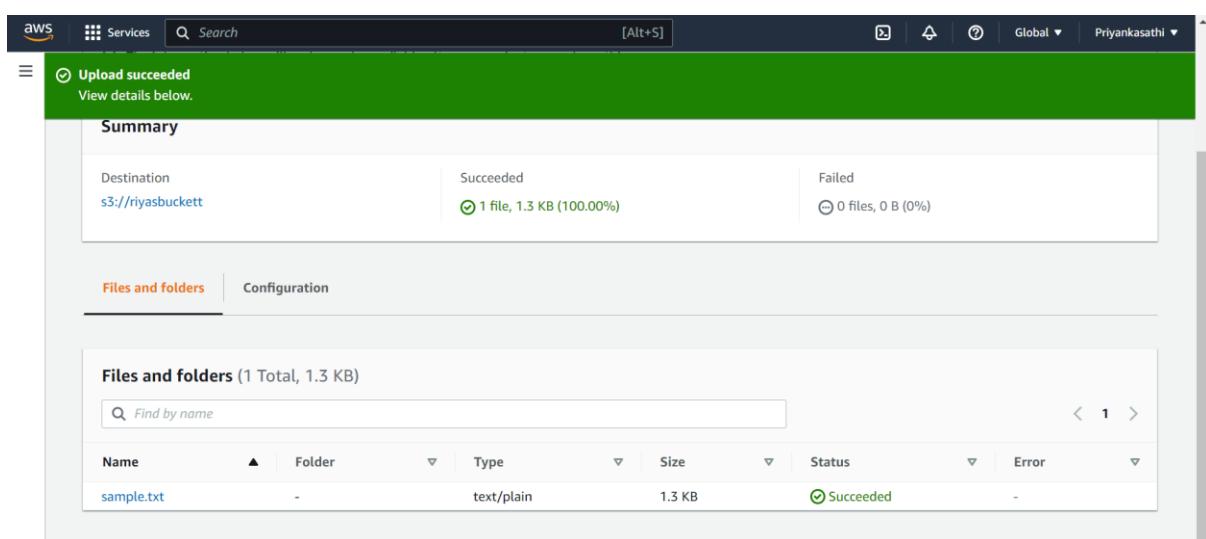
Summary

Destination	Succeeded	Failed
s3://riyasbuckett	1 file, 1.3 KB (100.00%)	0 files, 0 B (0%)

Files and folders Configuration

Files and folders (1 Total, 1.3 KB)

Name	Folder	Type	Size	Status	Error
sample.txt	-	text/plain	1.3 KB	Succeeded	-



AWS Services Search [Alt+S] Global ▾ Priyankasathi ▾

Amazon S3 > Buckets > riyasbuckett > Edit static website hosting ⓘ

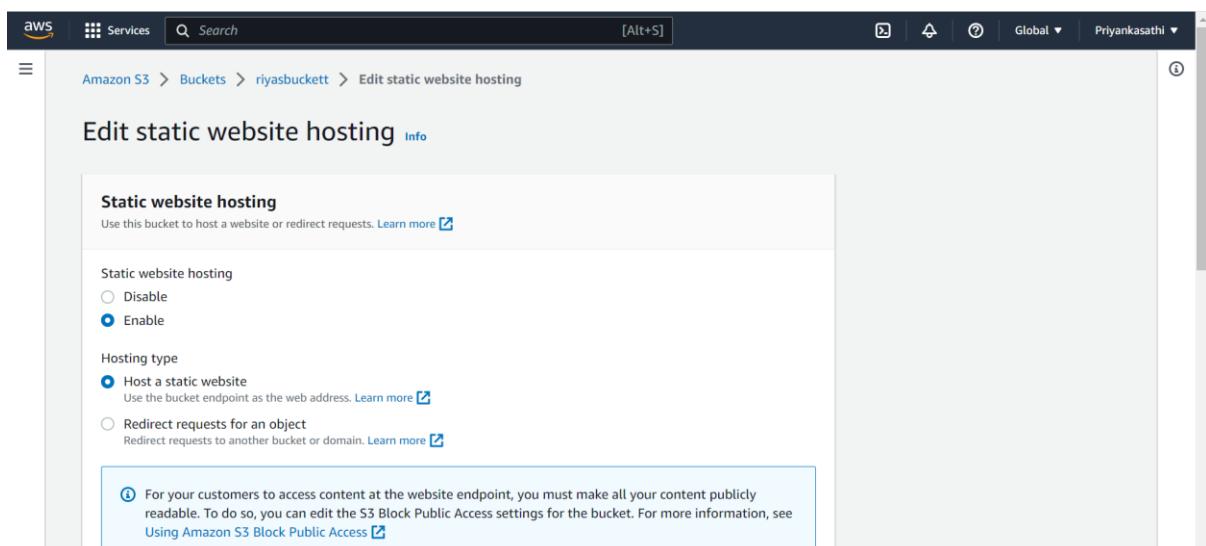
Edit static website hosting [Info](#)

Static website hosting
Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting
 Disable
 Enable

Hosting type
 Host a static website
Use the bucket endpoint as the web address. [Learn more](#)
 Redirect requests for an object
Redirect requests to another bucket or domain. [Learn more](#)

ⓘ For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see [Using Amazon S3 Block Public Access](#)



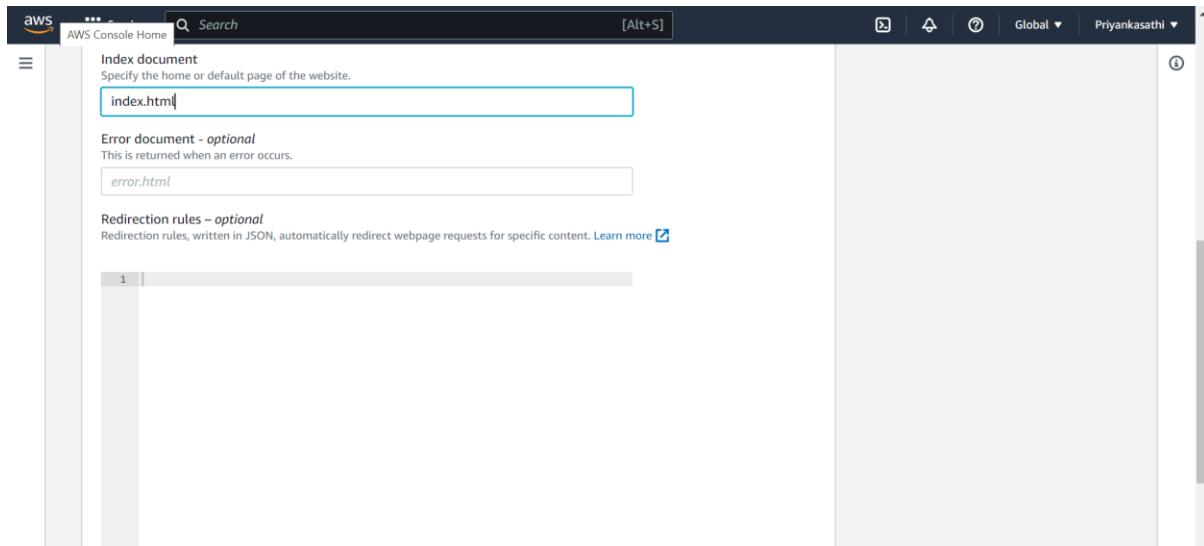
AWS Console Home Search [Alt+S] Global ▾ Priyankasathi ▾ ⓘ

Index document
Specify the home or default page of the website.
index.html

Error document - optional
This is returned when an error occurs.
error.html

Redirection rules - optional
Redirection rules, written in JSON, automatically redirect webpage requests for specific content. Learn more ↗

1



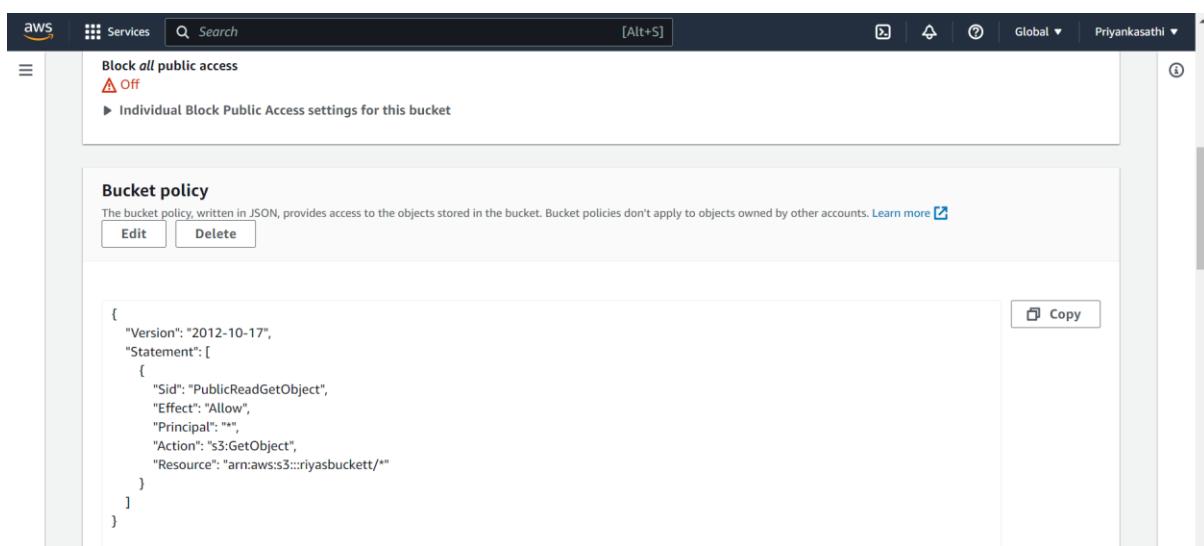
AWS Services Search [Alt+S] Global ▾ Priyankasathi ▾ ⓘ

Block all public access
⚠ Off
► Individual Block Public Access settings for this bucket

Bucket policy
The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. Learn more ↗
Edit Delete

```
{ "Version": "2012-10-17", "Statement": [ { "Sid": "PublicReadGetObject", "Effect": "Allow", "Principal": "*", "Action": "s3:GetObject", "Resource": "arn:aws:s3:::riyasbucket/*" } ] }
```

Copy



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Amazon S3 Buckets riyasbuckettt

riyasbuckettt Info Publicly accessible

Objects Properties Permissions Metrics Management Access Points

Objects (1)

Objects are the fundamental entities to access your objects, you'll need Object URL Copied use Amazon S3 inventory ↗ to get a list of all objects in your bucket. For others on. Learn more ↗

Object URL Copied

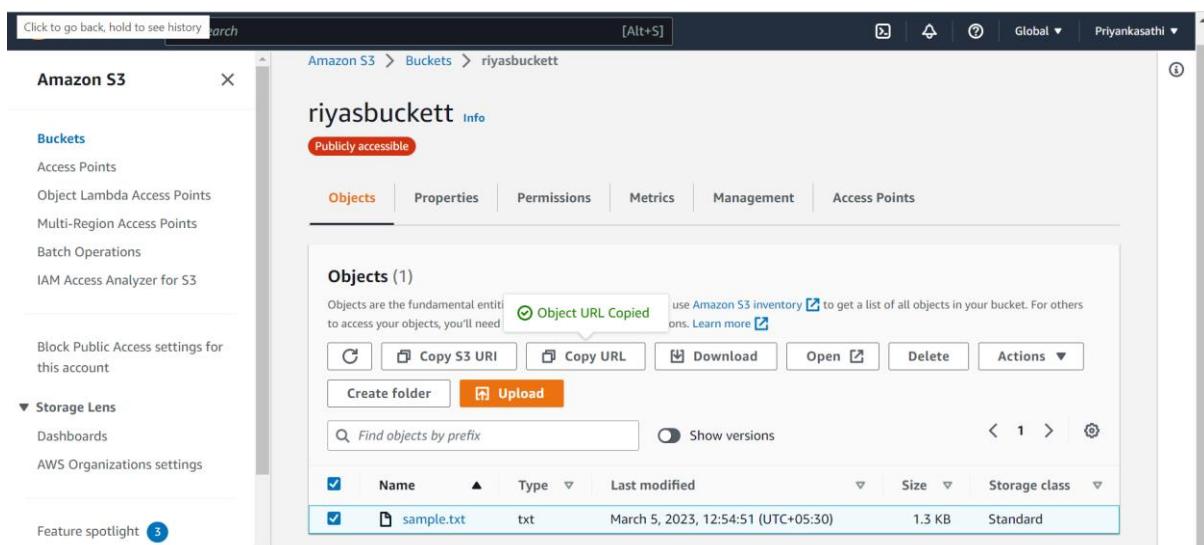
Copy S3 URI Copy URL Download Open Delete Actions

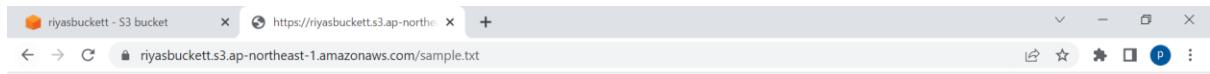
Create folder Upload

Find objects by prefix Show versions

Name	Type	Last modified	Size	Storage class
sample.txt	txt	March 5, 2023, 12:54:51 (UTC+05:30)	1.3 KB	Standard

Feature spotlight 3





Amazon Web Services, Inc. (AWS) is a subsidiary of Amazon that provides on-demand cloud computing platforms and APIs to individuals, companies, and governments, on a metered, pay-as-you-go basis. Often times, clients will use this in combination with autoscaling (a process that allows a client to use more compute in times of high application usage, and then scale down to reduce costs when there is less traffic). These cloud computing web services provide various services related to networking, compute, storage, middleware, IOT and other processing capacity, as well as software tools via AWS server farms. This frees clients from managing, scaling, and patching hardware and operating systems. One of the foundational services is Amazon Elastic Compute Cloud (EC2), which allows users to have at their disposal a virtual cluster of computers, with extremely high availability, which can be interacted with over the internet via REST APIs, a CLI or the AWS console. AWS's virtual computers emulate most of the attributes of a real computer, including hardware central processing units (CPUs) and graphics processing units (GPUs) for processing; local/RAM memory; hard-disk/SSD storage; a choice of operating systems; networking; and pre-loaded application software such as web servers, databases, and customer relationship management (CRM).