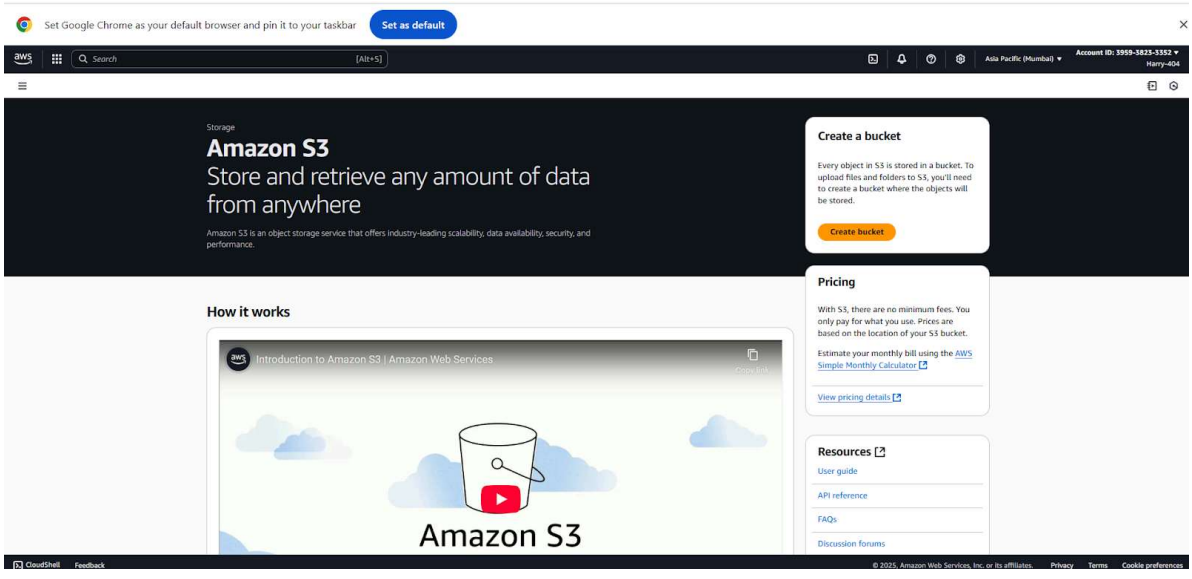
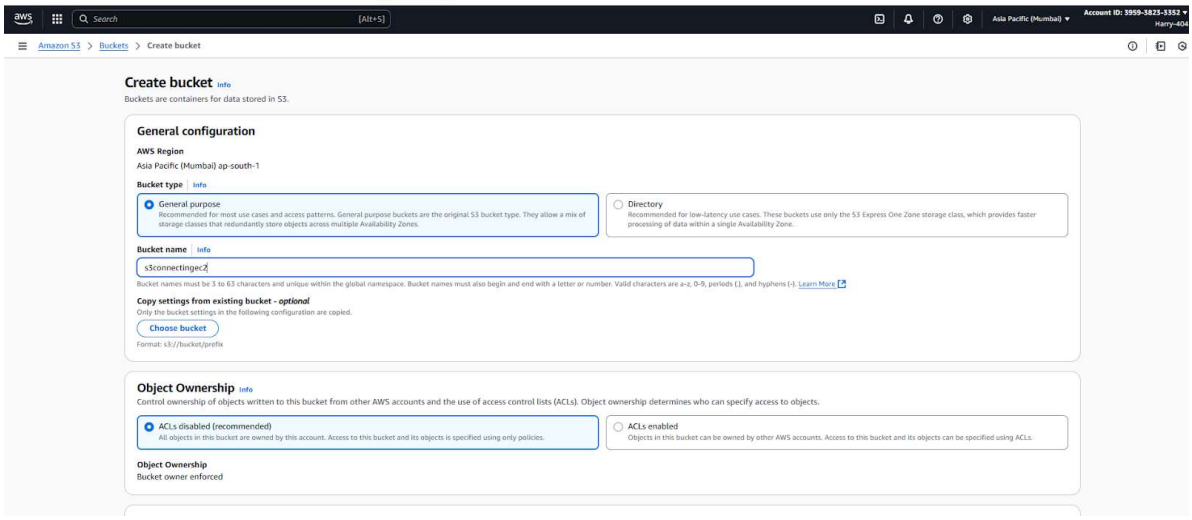
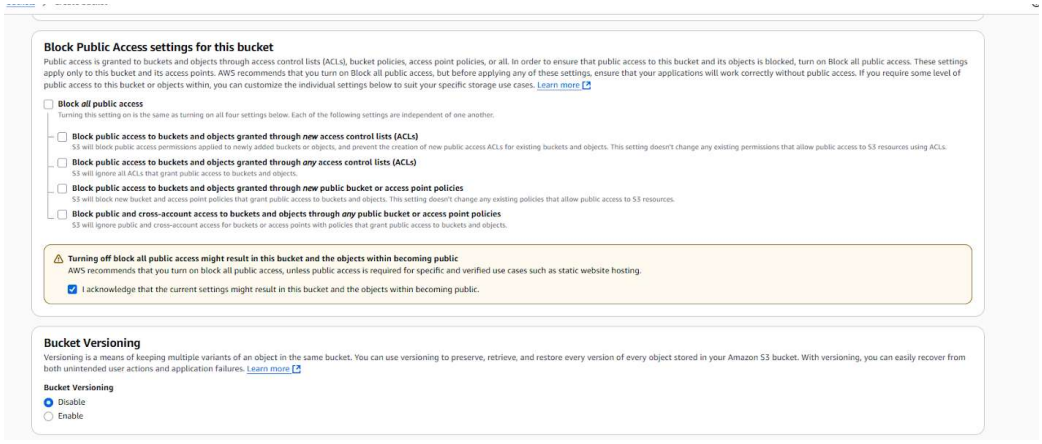
Syncing Content from S3 to EC2

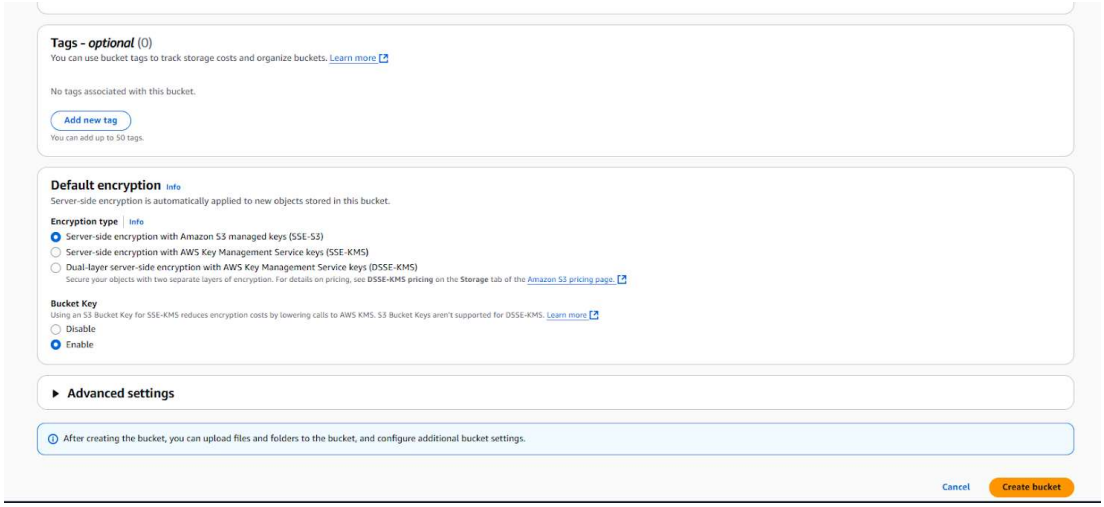
1. Create an S3 Bucket

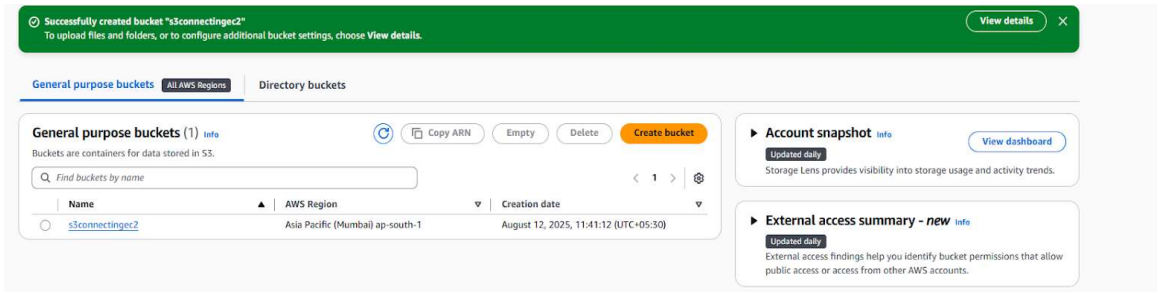
- Go to AWS S3 console.
- Click “Create bucket”.
- Name your bucket (e.g., `s3connectingec2`).
- Select region, keep defaults unless you have a reason to change.
- Leave “Block all public access” on *unless* you have a public website use case.
- Click Create bucket.







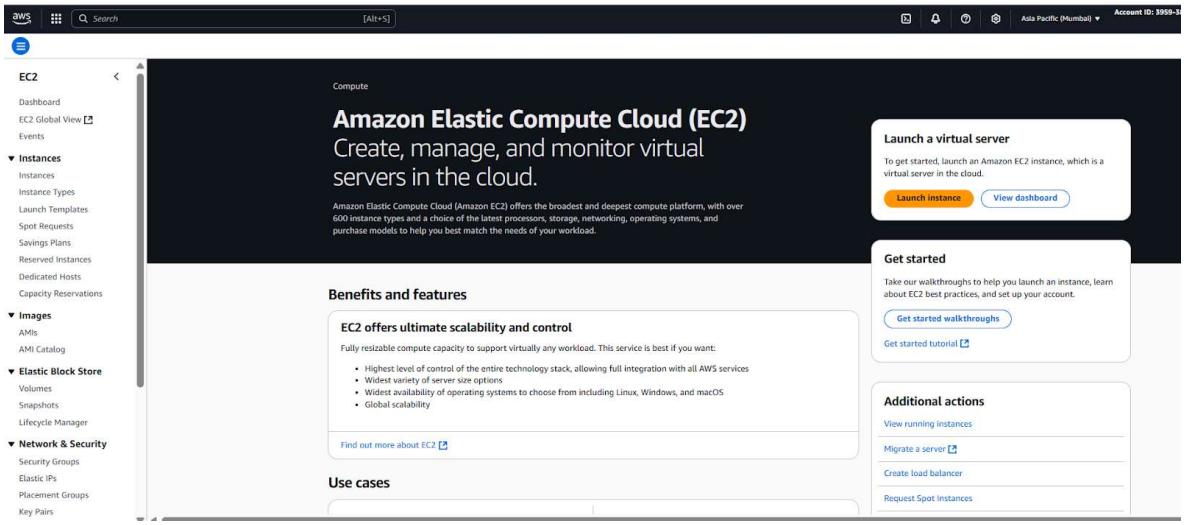


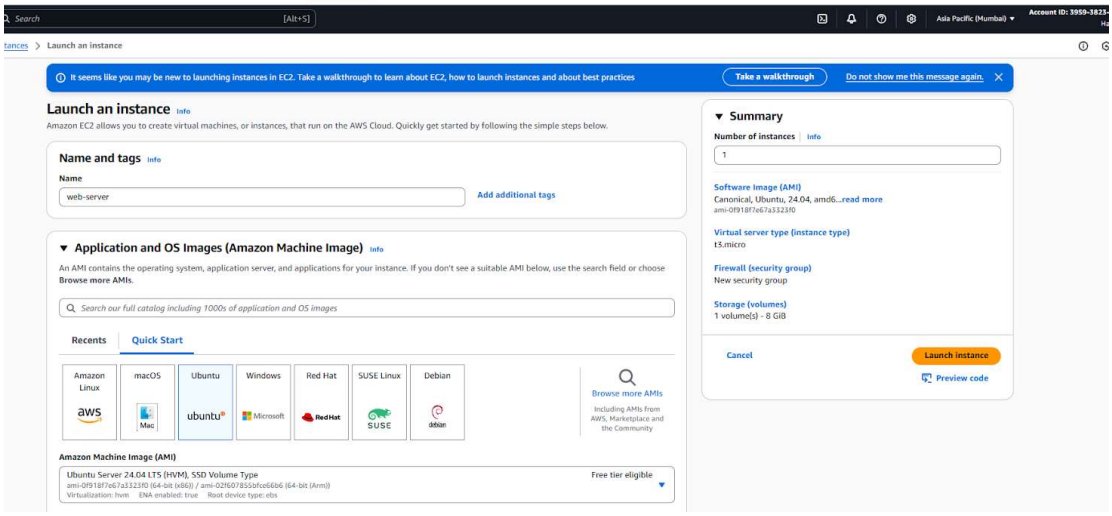


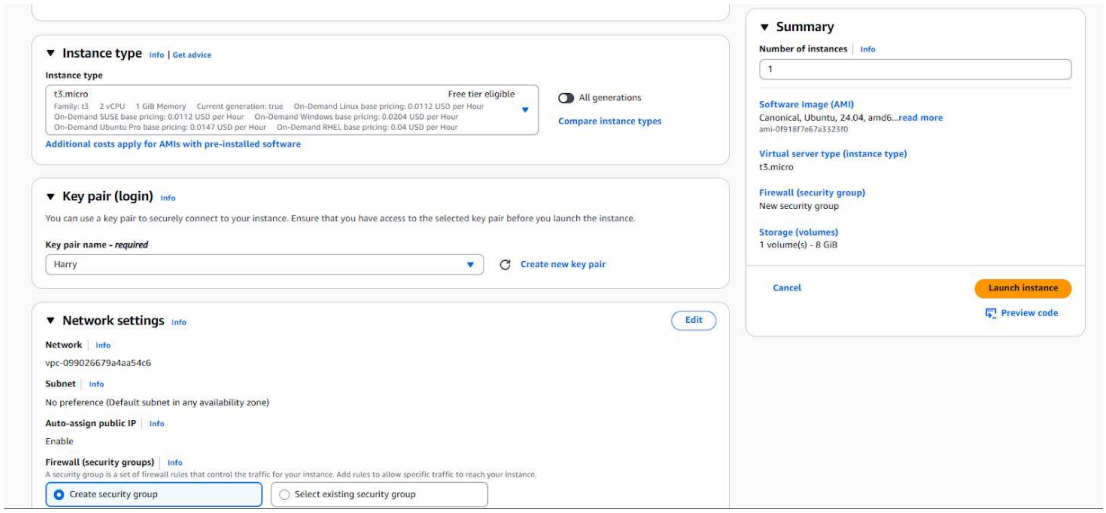
2. Launch & Connect to EC2 Instance

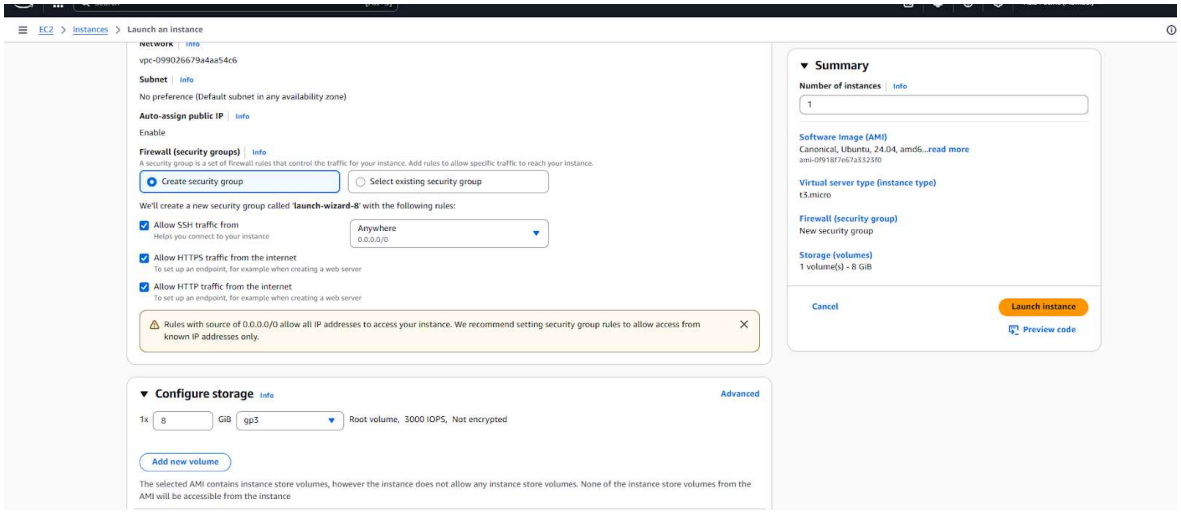
- Go to AWS EC2 console.
- Launch a new instance (choose Ubuntu 24.04 LTS for most setups).
- Choose t3.micro (if cost matters or free tier).
- Set up a key pair for SSH access.
- In “Configure Security Group”, allow SSH (port 22), HTTP (80) and HTTPS (443) from your IP or as needed.
- Launch and wait for instance state to be “running”.

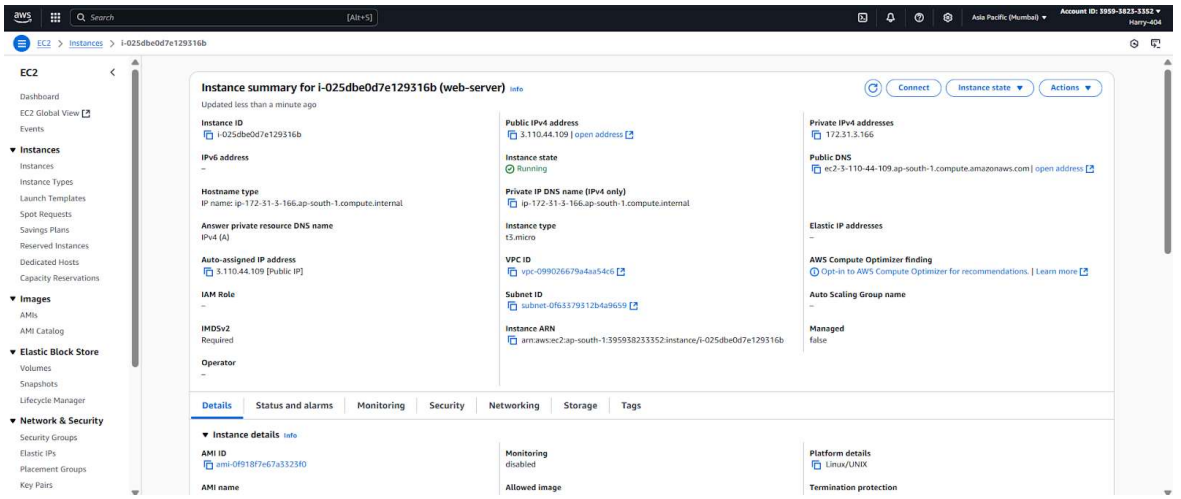
- SSH into EC2:

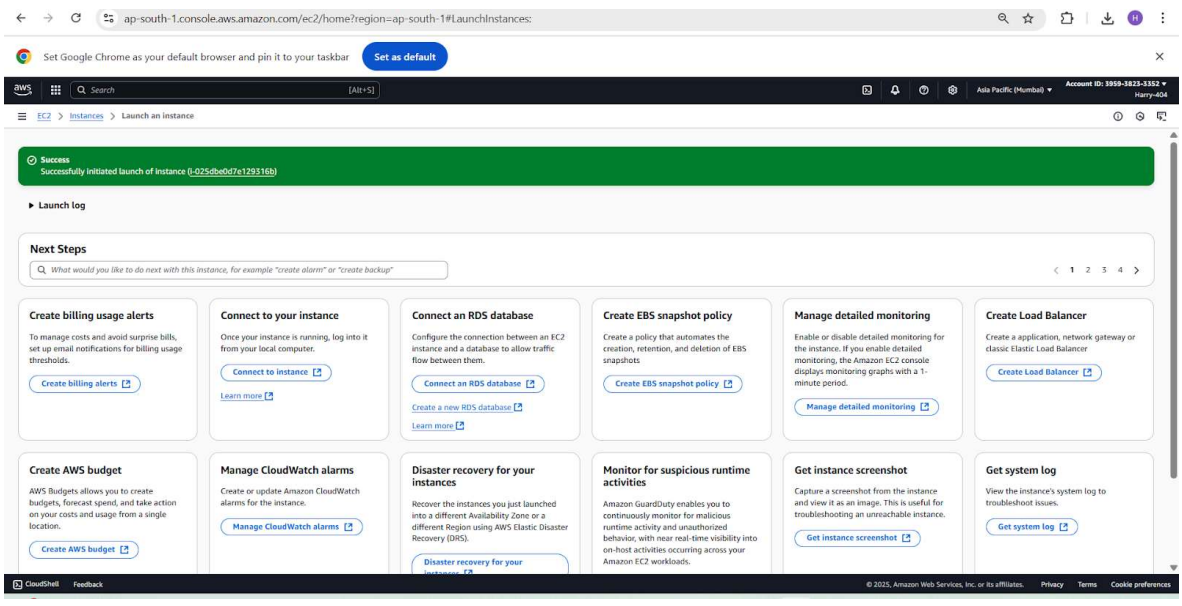

EC2
Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager
Network & Security
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Compute
Amazon Elastic Compute Cloud (EC2)
Create, manage, and monitor virtual servers in the cloud.
Amazon Elastic Compute Cloud (Amazon EC2) offers the broadest and deepest compute platform, with over 600 instance types and a choice of the latest processors, storage, networking, operating systems, and purchase models to help you best match the needs of your workload.
Launch a virtual server
To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.
Launch instance
View dashboard
Get started
Take our walkthroughs to help you launch an instance, learn about EC2 best practices, and set up your account.
Get started walkthroughs
Get started tutorial
Benefits and features
EC2 offers ultimate scalability and control
Fully resizable compute capacity to support virtually any workload. This service is best if you want:
Highest level of control of the entire technology stack, allowing full integration with all AWS services
Widest variety of server size options
Widest availability of operating systems to choose from including Linux, Windows, and macOS
Global scalability
Find out more about EC2
Use cases
Additional actions
View running instances
Migrate a server
Create load balancer
Request Spot Instances


It seems like you may be new to launching instances in EC2. Take a walkthrough to learn about EC2, how to launch instances and about best practices
Take a walkthrough
Do not show me this message again.
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
web-server
Add additional tags
Application and OS Images (Amazon Machine Image)
An AMI contains the operating system, application server, and applications for your instance. If you don't see a suitable AMI below, use the search field or choose Browse more AMIs.
Search our full catalog including 1000s of application and OS images
Recents
Quick Start
Amazon Linux
macOS
Ubuntu
Windows
Red Hat
SUSE Linux
Debian
Browse more AMIs
Including AMIs from AWS, Marketplace and the Community
Amazon Machine Image (AMI)
Ubuntu Server 24.04 LTS (HVM), SSD Volume Type
Free tier eligible
Summary
Number of instances
1
Software Image (AMI)
Canonical, Ubuntu, 24.04, amd6...read more
Virtual server type (instance type)
t3.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Cancel
Launch instance
Preview code


Instance type
t3.micro
Free tier eligible
All generations
Compare instance types
Additional costs apply for AMIs with pre-installed software
Key pair (login)
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
Harry
Create new key pair
Network settings
Edit
Network
vpc-099026679a4aa54c6
Subnet
No preference (Default subnet in any availability zone)
Auto-assign public IP
Enable
Firewall (security groups)
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
Summary
Number of instances
1
Software Image (AMI)
Canonical, Ubuntu, 24.04, amd6...read more
Virtual server type (instance type)
t3.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Cancel
Launch instance
Preview code


EC2 > Instances > Launch an instance
vpc-099026679a4aa54c6
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-8' with the following rules:
Allow SSH traffic from
Helps you connect to your instance
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
To set up an endpoint, for example when creating a web server
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.
Summary
Number of instances | Info
1
Software Image (AMI)
Canonical, Ubuntu, 24.04, amd6...read more
ami-0f918f7e67a3323f0
Virtual server type (instance type)
t3.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Cancel
Launch instance
Preview code
Configure storage | Info
Advanced
1x 8 GiB gp3 Root volume, 3000 IOPS, Not encrypted
Add new volume
The selected AMI contains instance store volumes, however the instance does not allow any instance store volumes. None of the instance store volumes from the AMI will be accessible from the instance


EC2 > Instances > i-025dbe0d7e129316b
Instance summary for i-025dbe0d7e129316b (web-server) Info
Updated less than a minute ago
Connect
Instance state
Actions
Instance ID
i-025dbe0d7e129316b
Public IPv4 address
3.110.44.109 | open address
Private IPv4 addresses
172.31.3.166
IPv6 address
Instance state
Running
Public DNS
ec2-3-110-44-109.ap-south-1.compute.amazonaws.com | open address
Hostname type
IP name: ip-172-31-3-166.ap-south-1.compute.internal
Private IP DNS name (IPv4 only)
ip-172-31-3-166.ap-south-1.compute.internal
Answer private resource DNS name
IPv4 (A)
Instance type
t3.micro
Elastic IP addresses
Auto-assigned IP address
3.110.44.109 [Public IP]
VPC ID
vpc-099026679a4aa54c6
AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations. | Learn more
IAM Role
Subnet ID
subnet-0f63379512b4a9659
Auto Scaling Group name
IMDSv2
Required
Instance ARN
arn:aws:ec2:ap-south-1:395938233352:instance/i-025dbe0d7e129316b
Managed
false
Operator
Details
Status and alarms
Monitoring
Security
Networking
Storage
Tags
Instance details Info
AMI ID
ami-0f918f7e67a3323f0
Monitoring
disabled
Platform details
Linux/UNIX
AMI name
Allowed image
Termination protection


ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LaunchInstances:
Set Google Chrome as your default browser and pin it to your taskbar
Set as default
EC2 > Instances > Launch an instance
Success
Successfully initiated launch of instance (i-025dbe0d7e129316b)
Launch log
Next Steps
What would you like to do next with this instance, for example "create alarm" or "create backup"
Create billing usage alerts
To manage costs and avoid surprise bills, set up email notifications for billing 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
Create a new RDS database
Learn more
Create EBS snapshot policy
Create a policy that automates the creation, retention, and deletion of EBS snapshots
Create EBS snapshot policy
Manage detailed monitoring
Enable or disable detailed monitoring for the instance. If you enable detailed monitoring, the Amazon EC2 console displays monitoring graphs with a 1-minute period.
Manage detailed monitoring
Create Load Balancer
Create a application, network gateway or classic Elastic Load Balancer
Create Load Balancer
Create AWS budget
AWS Budgets allows you to create budgets, forecast spend, and take action on your costs and usage from a single location.
Create AWS budget
Manage CloudWatch alarms
Create or update Amazon CloudWatch alarms for the instance.
Manage CloudWatch alarms
Disaster recovery for your instances
Recover the instances you just launched into a different Availability Zone or a different Region using AWS Elastic Disaster Recovery (DRS).
Monitor for suspicious runtime activities
Amazon GuardDuty enables you to continuously monitor for malicious runtime activity and unauthorized behavior, with near real-time visibility into on-host activities occurring across your Amazon EC2 workloads.
Get instance screenshot
Capture a screenshot from the instance and view it as an image. This is useful for troubleshooting an unreachable instance.
Get instance screenshot
Get system log
View the instance's system log to troubleshoot issues.
Get system log
CloudShell
Feedback
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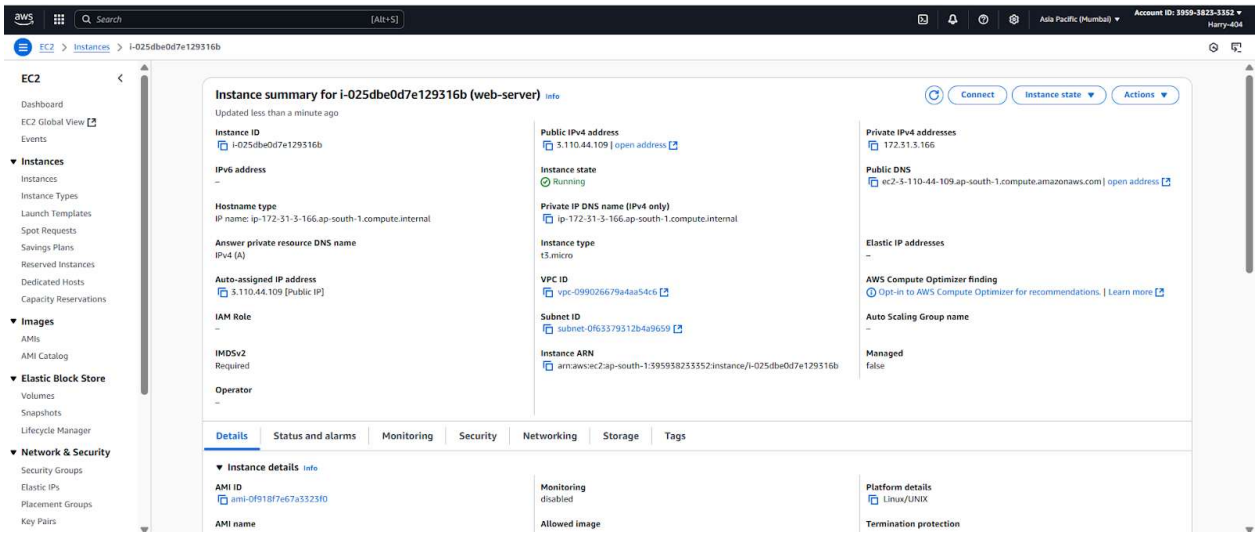
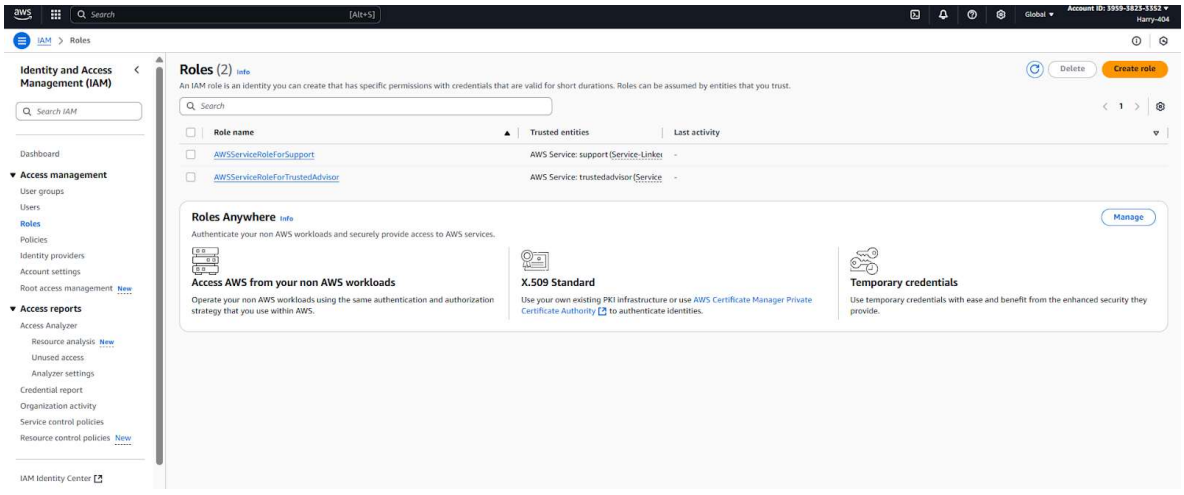
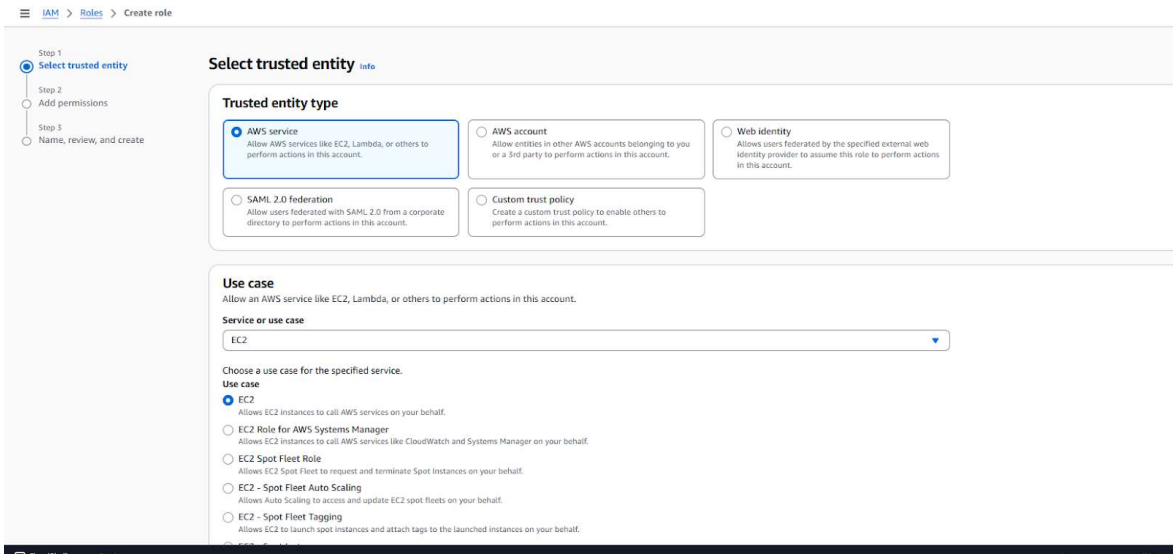
Privacy
Terms
Cookie preferences

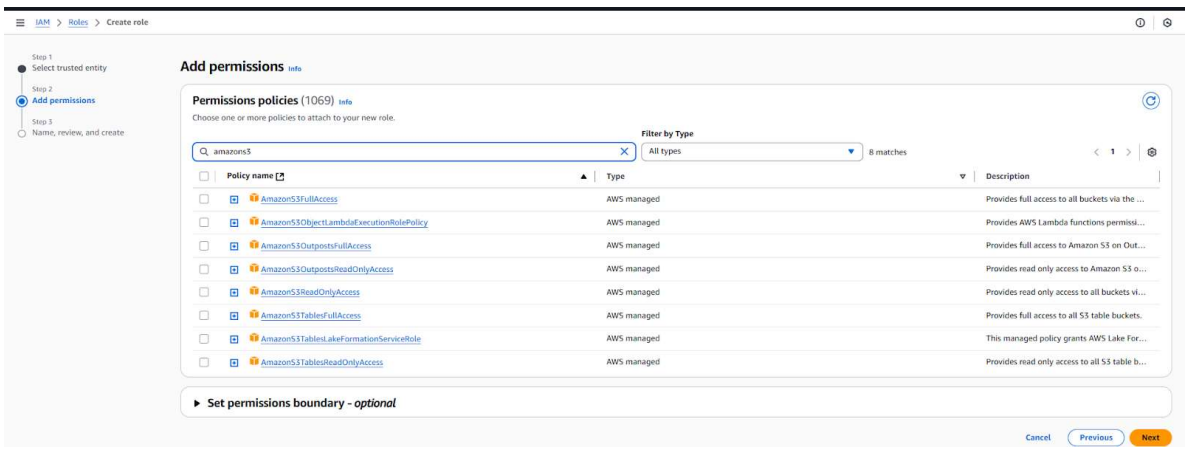


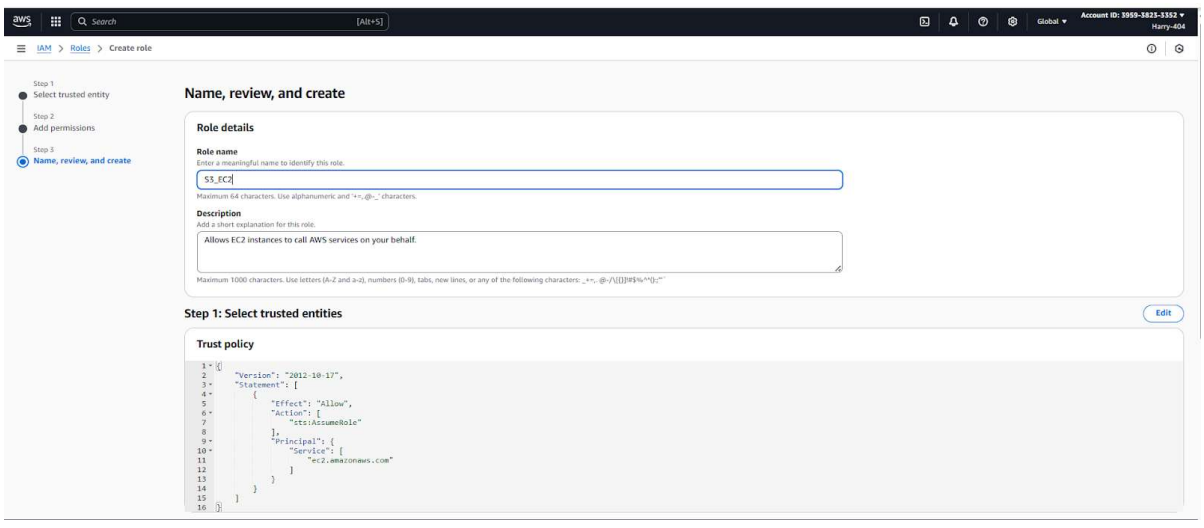
3. Configure IAM Role for S3 Access (Best Practice)

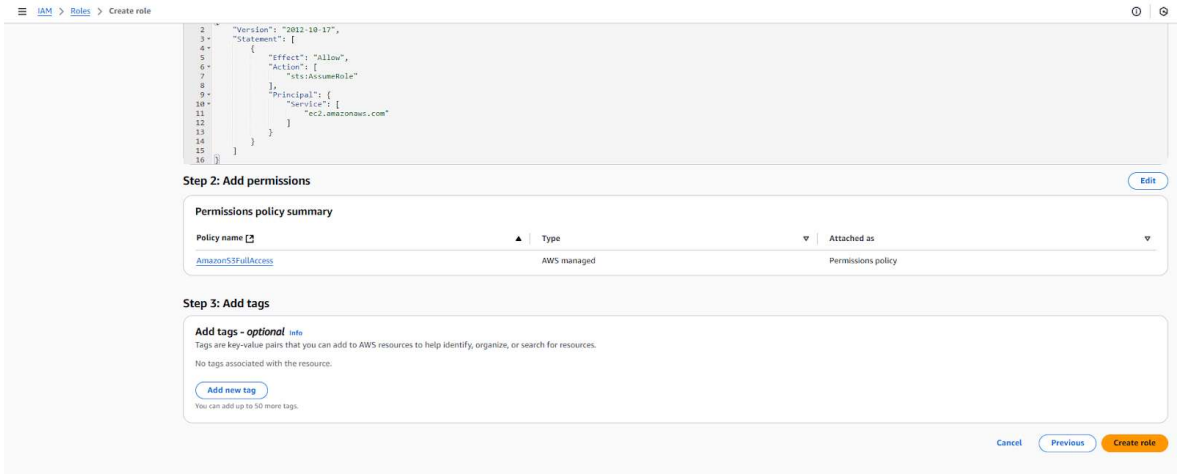
- Go to AWS IAM > Roles > Create role.
- Trusted entity: AWS service, Use case: EC2.
- Attach policy: `AmazonS3FullAccess` (or restrict to only this bucket for production).
- Name: e.g., `S3EC2Role`.
- Attach this role to your EC2 instance (Actions > Security > Modify IAM role).

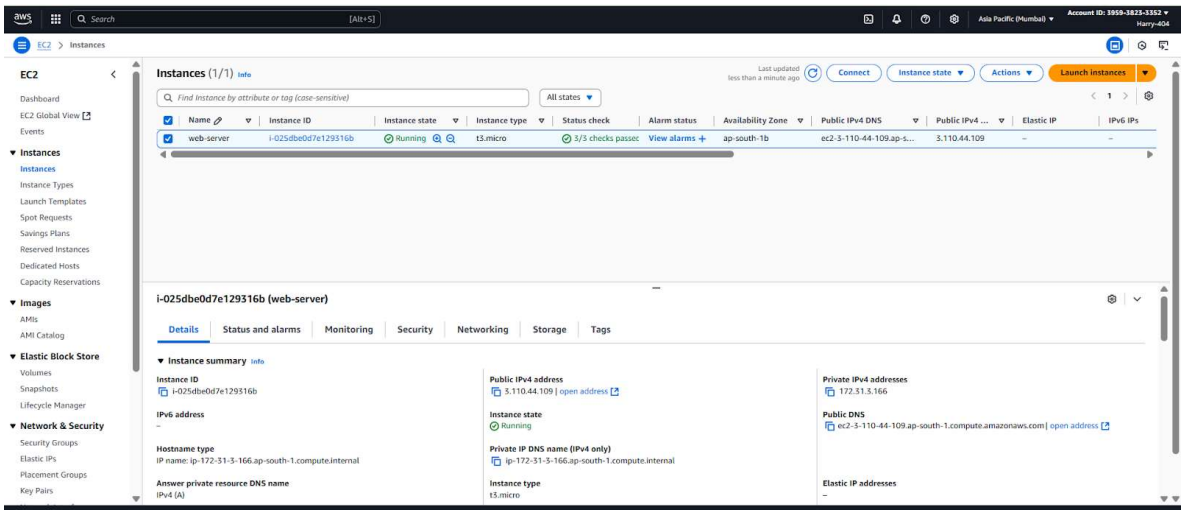


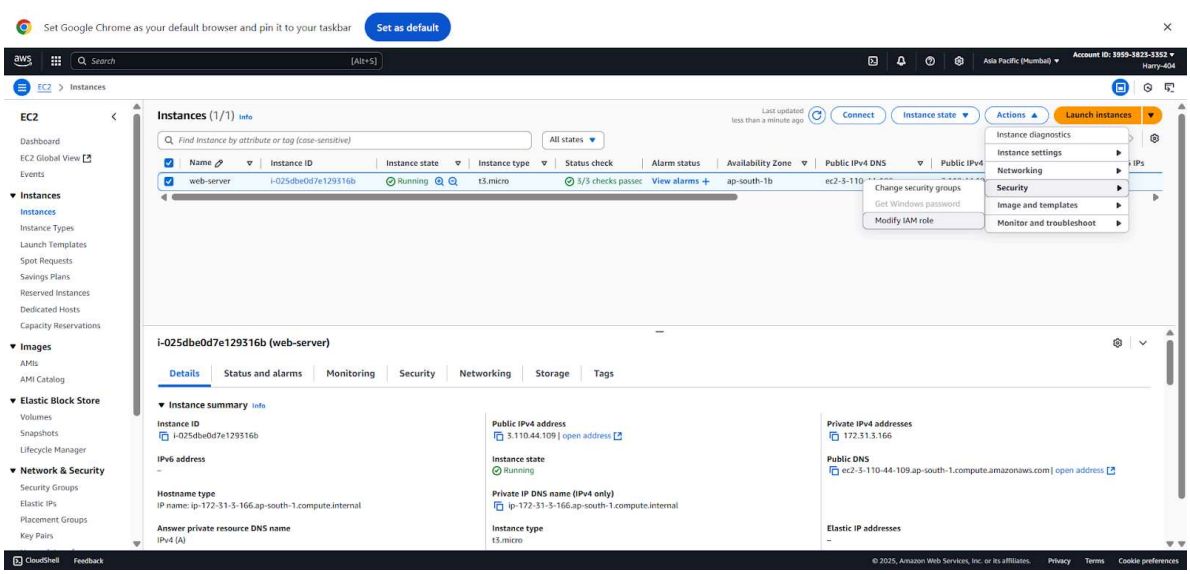

IAM > Roles > Create role
Step 1
Select trusted entity
Step 2
Add permissions
Step 3
Name, review, and create
Select trusted entity Info
Trusted entity type
AWS service
Allow AWS services like EC2, Lambda, or others to perform actions in this account.
AWS account
Allow entities in other AWS accounts belonging to you or a 3rd party to perform actions in this account.
Web identity
Allows users federated by the specified external web identity provider to assume this role to perform actions in this account.
SAML 2.0 federation
Allow users federated with SAML 2.0 from a corporate directory to perform actions in this account.
Custom trust policy
Create a custom trust policy to enable others to perform actions in this account.
Use case
Allow an AWS service like EC2, Lambda, or others to perform actions in this account.
Service or use case
EC2
Choose a use case for the specified service.
Use case
EC2
Allows EC2 instances to call AWS services on your behalf.
EC2 Role for AWS Systems Manager
Allows EC2 instances to call AWS services like CloudWatch and Systems Manager on your behalf.
EC2 Spot Fleet Role
Allows EC2 Spot Fleet to request and terminate Spot Instances on your behalf.
EC2 - Spot Fleet Auto Scaling
Allows Auto Scaling to access and update EC2 spot fleets on your behalf.
EC2 - Spot Fleet Tagging
Allows EC2 to launch spot instances and attach tags to the launched instances on your behalf.


IAM > Roles > Create role
Step 1
Select trusted entity
Step 2
Add permissions
Step 3
Name, review, and create
Add permissions Info
Permissions policies (1069) Info
Choose one or more policies to attach to your new role.
Filter by Type
amazons3
All types
8 matches
Policy name
Type
Description
AmazonS3FullAccess
AWS managed
Provides full access to all buckets via the ...
AmazonS3ObjectLambdaExecutionRolePolicy
AWS managed
Provides AWS Lambda functions permissi...
AmazonS3OutpostsFullAccess
AWS managed
Provides full access to Amazon S3 on Out...
AmazonS3OutpostsReadOnlyAccess
AWS managed
Provides read only access to Amazon S3 o...
AmazonS3ReadOnlyAccess
AWS managed
Provides read only access to all buckets vi...
AmazonS3TablesFullAccess
AWS managed
Provides full access to all S3 table buckets.
AmazonS3TablesLakeFormationServiceRole
AWS managed
This managed policy grants AWS Lake For...
AmazonS3TablesReadOnlyAccess
AWS managed
Provides read only access to all S3 table b...
Set permissions boundary - optional
Cancel
Previous
Next


Search
[Alt+S]
Global
Account ID: 3959-3825-3352
Harry-404
IAM > Roles > Create role
Step 1
Select trusted entity
Step 2
Add permissions
Step 3
Name, review, and create
Name, review, and create
Role details
Role name
Enter a meaningful name to identify this role.
S3_EC2
Maximum 64 characters. Use alphanumeric and '+=,.@-_' characters.
Description
Add a short explanation for this role.
Allows EC2 instances to call AWS services on your behalf.
Maximum 1000 characters. Use letters (A-Z and a-z), numbers (0-9), tabs, new lines, or any of the following characters: _+=,.@-/\[{}]!#$%^*();:"'
Step 1: Select trusted entities
Edit
Trust policy
{
"Version": "2012-10-17",
"Statement": [
{
"Effect": "Allow",
"Action": [
"sts:AssumeRole"
],
"Principal": {
"Service": [
"ec2.amazonaws.com"
]
}
}
]
}


IAM > Roles > Create role
{
"Version": "2012-10-17",
"Statement": [
{
"Effect": "Allow",
"Action": [
"sts:AssumeRole"
],
"Principal": {
"Service": [
"ec2.amazonaws.com"
]
}
}
]
}
Step 2: Add permissions
Edit
Permissions policy summary
Policy name
Type
Attached as
AmazonS3FullAccess
AWS managed
Permissions policy
Step 3: Add tags
Add tags - optional Info
Tags are key-value pairs that you can add to AWS resources to help identify, organize, or search for resources.
No tags associated with the resource.
Add new tag
You can add up to 50 more tags.
Cancel
Previous
Create role


EC2 > Instances
Instances (1/1) Info
Connect
Instance state
Actions
Launch instances
Find Instance by attribute or tag (case-sensitive)
All states
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IPv4 DNS
Public IPv4 ...
Elastic IP
IPv6 IPs
web-server
i-025dbe0d7e129316b
Running
t3.micro
3/3 checks passed
View alarms
ap-south-1b
3.110.44.109
i-025dbe0d7e129316b (web-server)
Details
Status and alarms
Monitoring
Security
Networking
Storage
Tags
Instance summary Info
Instance ID
i-025dbe0d7e129316b
Public IPv4 address
3.110.44.109 | open address
Private IPv4 addresses
172.31.3.166
IPv6 address
Instance state
Running
Public DNS
ec2-3-110-44-109.ap-south-1.compute.amazonaws.com | open address
Hostname type
IP name: ip-172-31-3-166.ap-south-1.compute.internal
Private IP DNS name (IPv4 only)
ip-172-31-3-166.ap-south-1.compute.internal
Answer private resource DNS name
IPv4 (A)
Instance type
t3.micro
Elastic IP addresses


Set Google Chrome as your default browser and pin it to your taskbar
Set as default
EC2 > Instances
Instances (1/1) Info
Connect
Instance state
Actions
Launch instances
Instance diagnostics
Instance settings
Networking
Security
Image and templates
Monitor and troubleshoot
Change security groups
Get Windows password
Modify IAM role
i-025dbe0d7e129316b (web-server)
Details
Status and alarms
Monitoring
Security
Networking
Storage
Tags
Instance summary Info
CloudShell
Feedback
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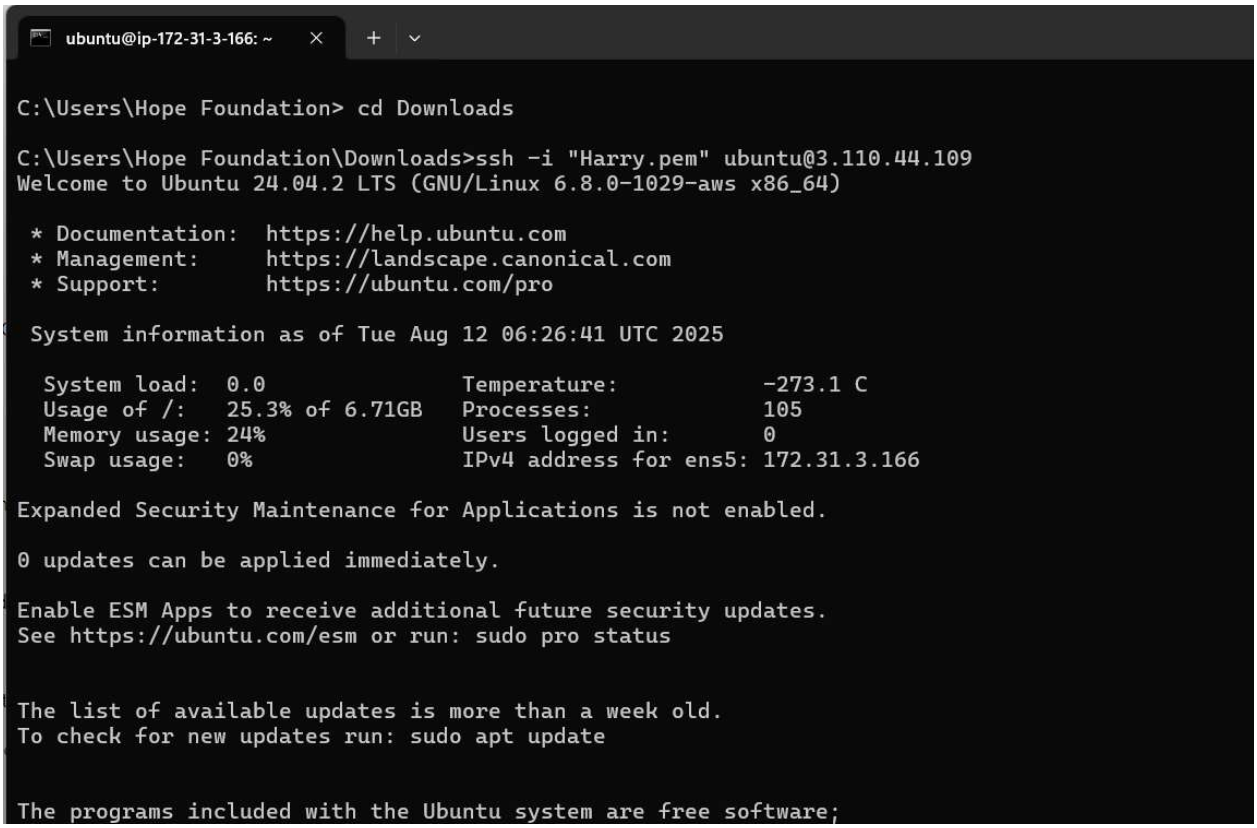
Privacy
Terms
Cookie preferences

4. Connect to EC2 via SSH

- Use this exact command from your local terminal (replace `your-key.pem` and `<EC2_PUBLIC_IP>`):

```
ssh -i your-key.pem ubuntu@<EC2_PUBLIC_IP>
```

This connects you securely to your EC2 instance.



5. Install Apache on EC2 Instance

Run these commands on your connected EC2 instance:

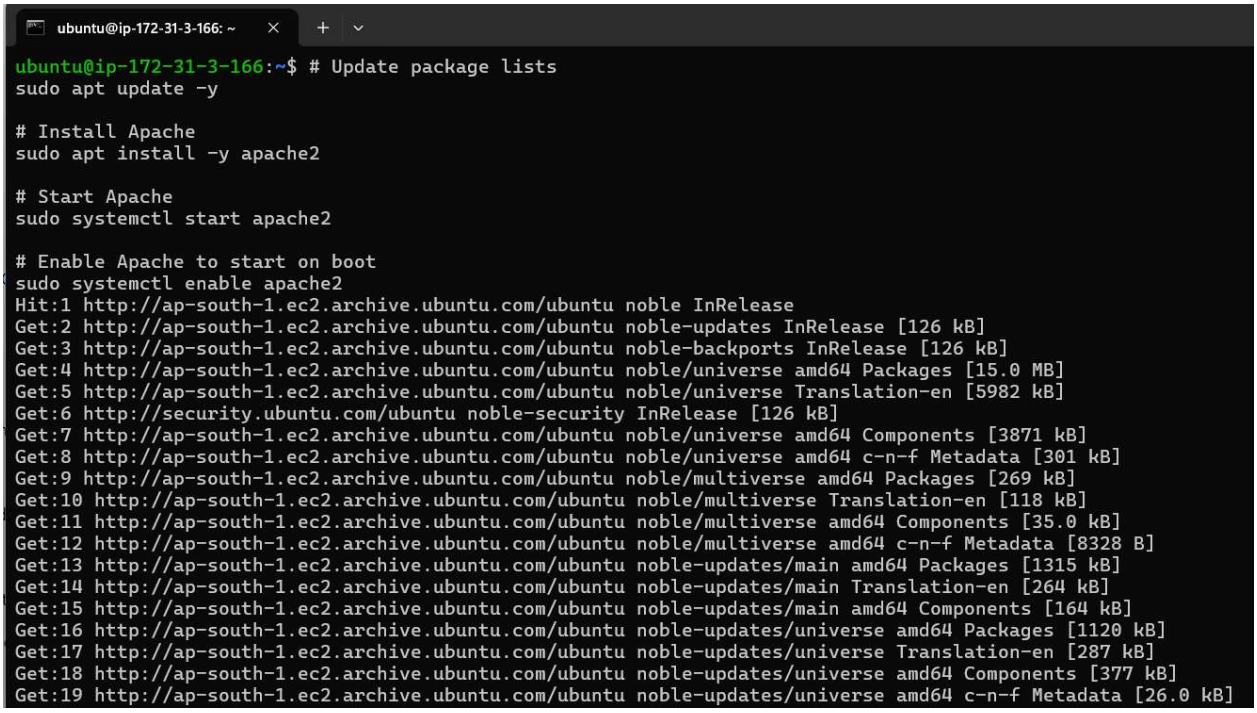
```
sudo apt update -y
sudo apt install -y apache2
sudo systemctl start apache2
sudo systemctl enable apache2
```

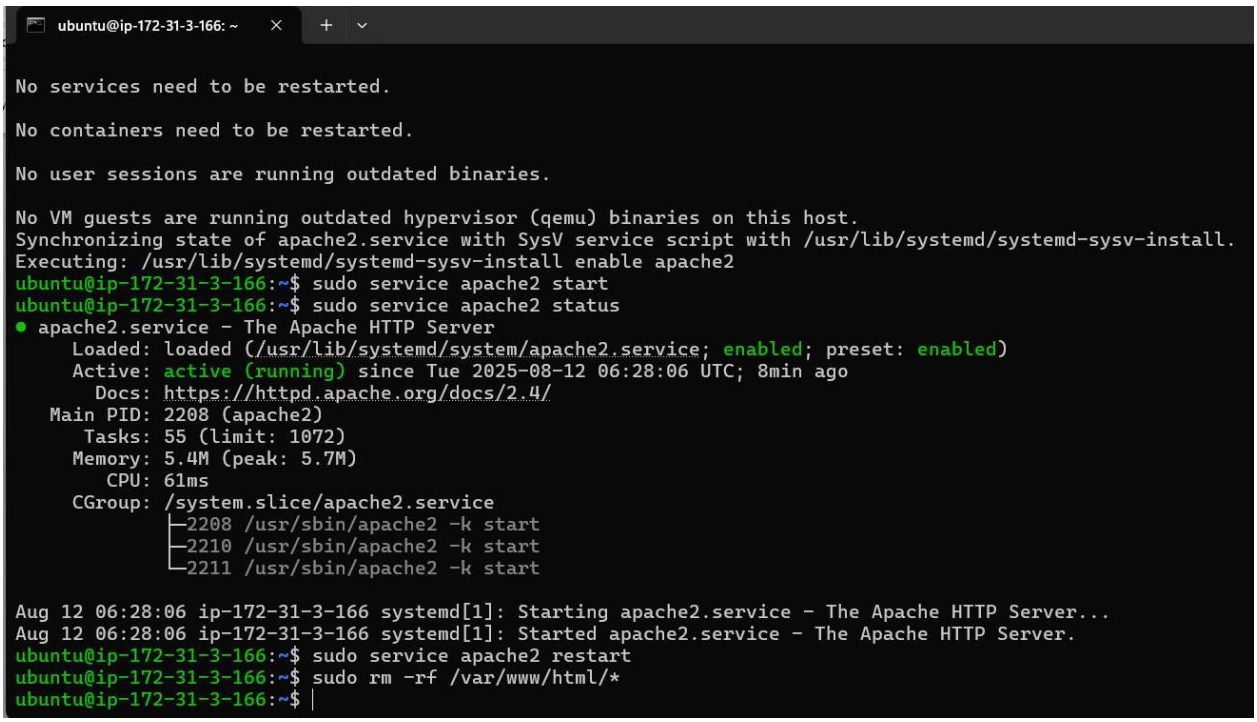
- `apt update`: updates package lists.

- `install apache2`: installs the Apache web server.
- `start apache2`: starts Apache service.
- `enable apache2`: ensures Apache runs on system boot.

You can check that Apache is running with:

`sudo service apache2 status`





6. Visit EC2 Public IP to See Default Apache Webpage

- Open a browser.
- Enter your EC2 instance's public IP address.
- You should see the default Apache "It works!" webpage showing that Apache is serving content properly.

---

7. Remove the Default Apache Webpage

To remove the default Apache webpage files, run:

```
sudo rm -rf /var/www/html/*
```

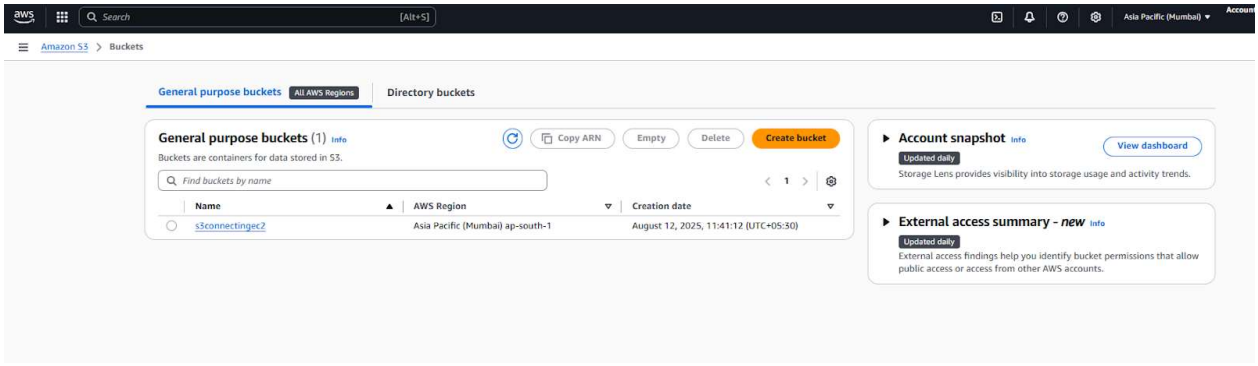
- This deletes the default files served by Apache from the directory `/var/www/html`.

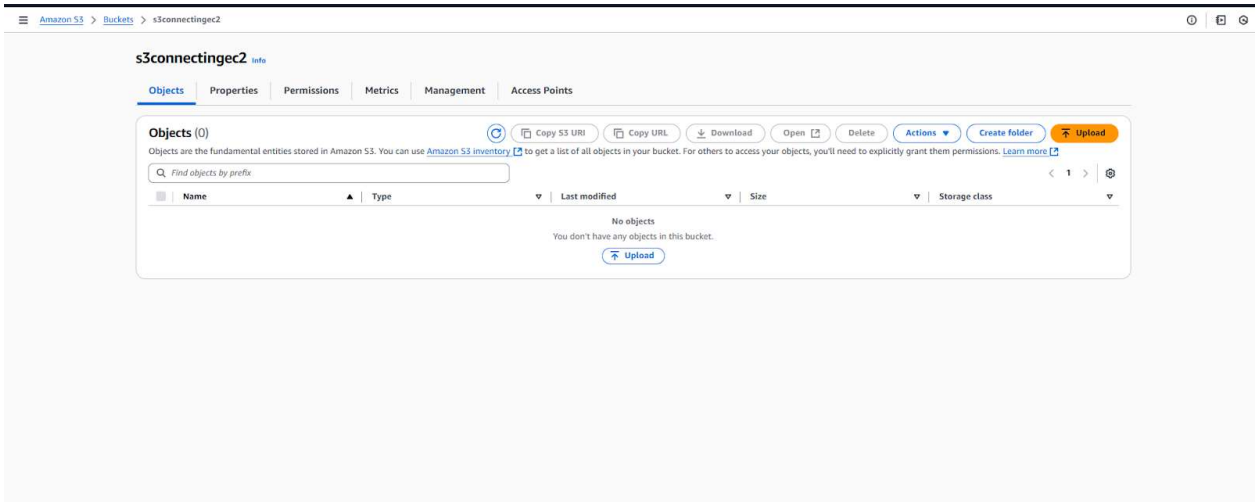
8. Upload Your Custom Image Webpage to S3 Bucket

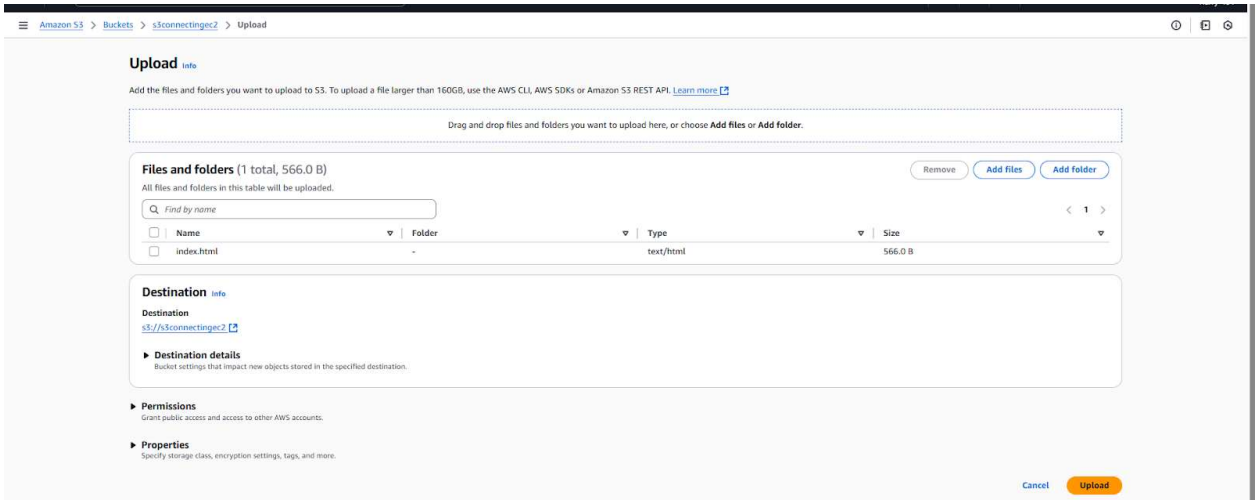
Prepare your custom webpage (HTML file with your image) on your local machine.

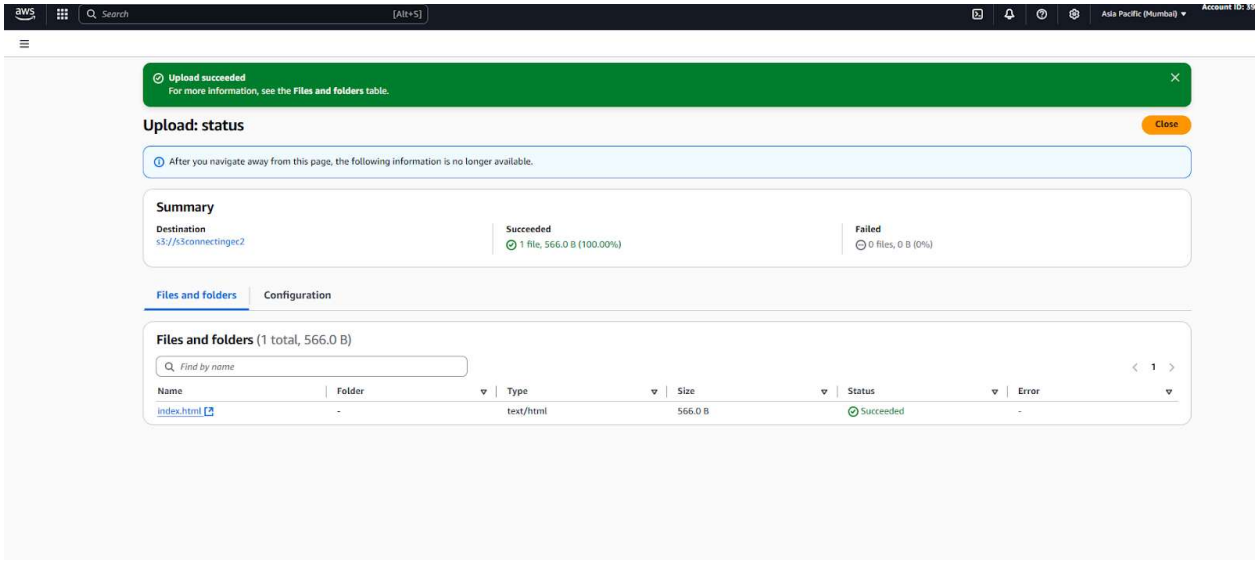
Example file: `index.html` (make sure it references your image correctly).

Upload the file(s) to your S3 bucket


Search
[Alt+S]
Asia Pacific (Mumbai)
Amazon S3 > Buckets
General purpose buckets
All AWS Regions
Directory buckets
General purpose buckets (1) Info
Buckets are containers for data stored in S3.
Copy ARN
Empty
Delete
Create bucket
Find buckets by name
Name
AWS Region
Creation date
s3connectingec2
Asia Pacific (Mumbai) ap-south-1
August 12, 2025, 11:41:12 (UTC+05:30)
Account snapshot Info
Updated daily
View dashboard
Storage Lens provides visibility into storage usage and activity trends.
External access summary - new Info
Updated daily
External access findings help you identify bucket permissions that allow public access or access from other AWS accounts.


Amazon S3 > Buckets > s3connectingec2
s3connectingec2 Info
Objects
Properties
Permissions
Metrics
Management
Access Points
Objects (0)
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
No objects
You don't have any objects in this bucket.
Upload


Amazon S3 > Buckets > s3connectingec2 > Upload
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 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 (1 total, 566.0 B)
All files and folders in this table will be uploaded.
Remove
Add files
Add folder
Find by name
Name
Folder
Type
Size
index.html
-
text/html
566.0 B
Destination Info
Destination
s3://s3connectingec2
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



9. Apply a Bucket Policy to Enable Public Access to the Webpage

To allow public read access to your bucket objects, apply a bucket policy.

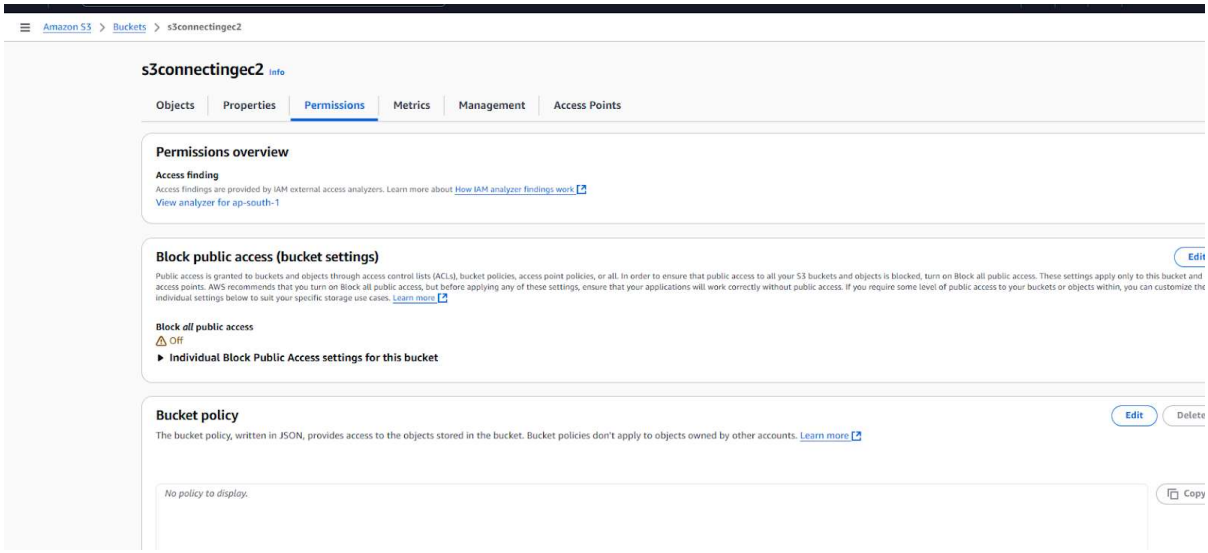
Here is a sample JSON bucket policy; replace `"s3connectingec2"` with your bucket name:

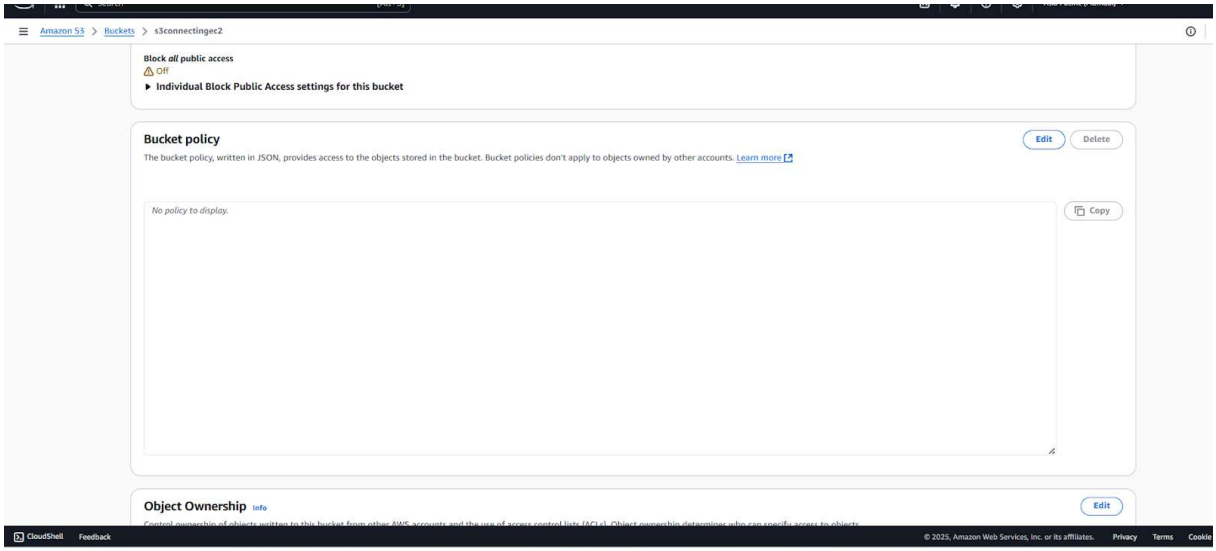
```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "AllowPublicRead",
      "Effect": "Allow",
      "Principal": "*",
      "Action": "s3:GetObject",
      "Resource": "arn:aws:s3:::s3connectingec2/*"
    }
  ]
}
```

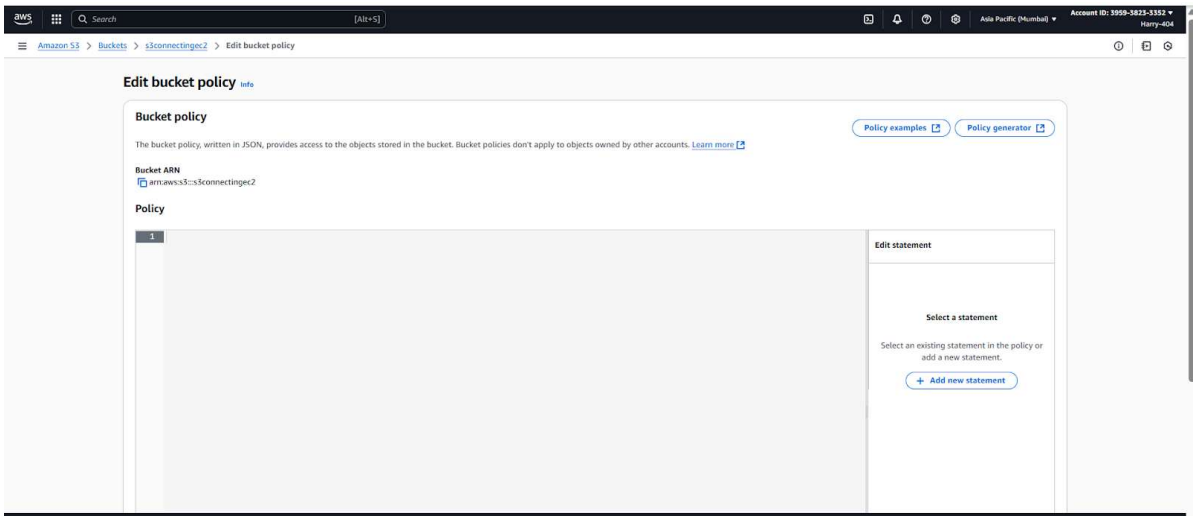
Steps to apply:

- Open AWS S3 console.

- Go to your bucket `s3connectingec2`.
- Click on Permissions tab.
- Scroll to Bucket Policy, click Edit.
- Paste the above JSON (with your bucket name changed).
- Save the policy.







Use a comma to separate multiple values.

Actions

☐ All Actions ("*")

--Select Actions--

Amazon Resource Name (ARN)

☐ All Resources ("*")

ARN should follow the following format: arn:aws:s3:::${BucketName}/${KeyName}. Use a comma to separate multiple values.

▸ **Add conditions (optional)**

Add Statement

Statements added (1)

You added the following statements. Click the button below to Generate a policy.

Principal(s)	Effect	Action	Resource(s)	Condition(s)	Remove
*	Allow	s3:GetObject	arn:aws:s3:::s3connectingec2/*	*None*	Remove

Step 3: Generate policy

A policy is a document (written in the Access Policy Language) that acts as a container for one or more statements.

Step 2: Add statement(s)

A statement is the formal description of a single permission. See a description of elements that you can use in statements.

Effect

◉ Allow

○ Deny

Principal

*

Use a comma to separate multiple values.

Actions

☐ All Actions ("*")

--Select Actions--

GetObject ×

Amazon Resource Name (ARN)

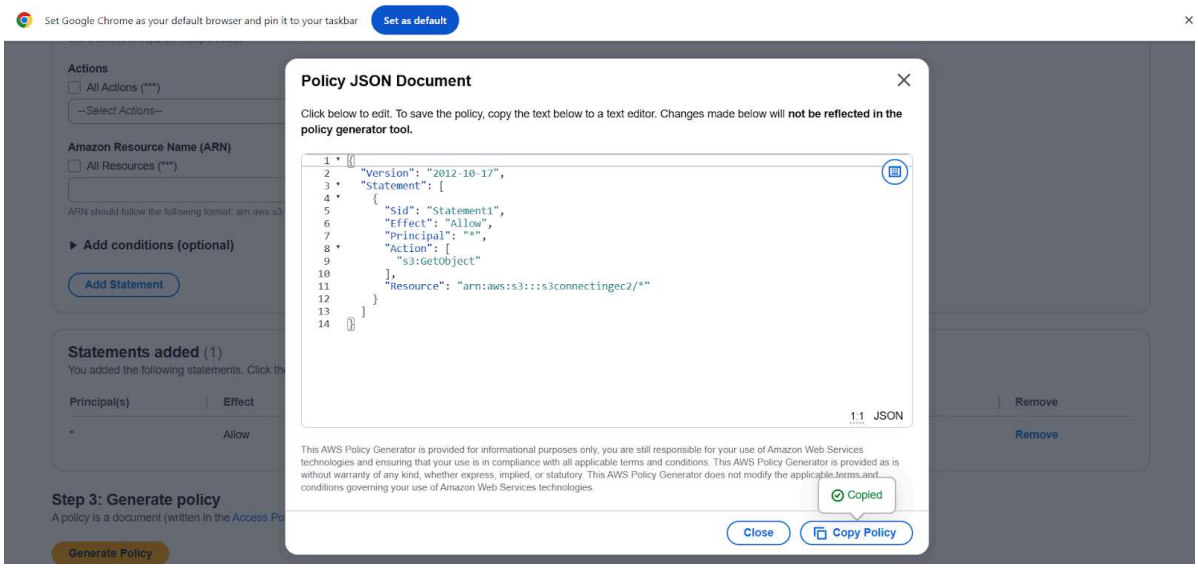
☐ All Resources ("*")

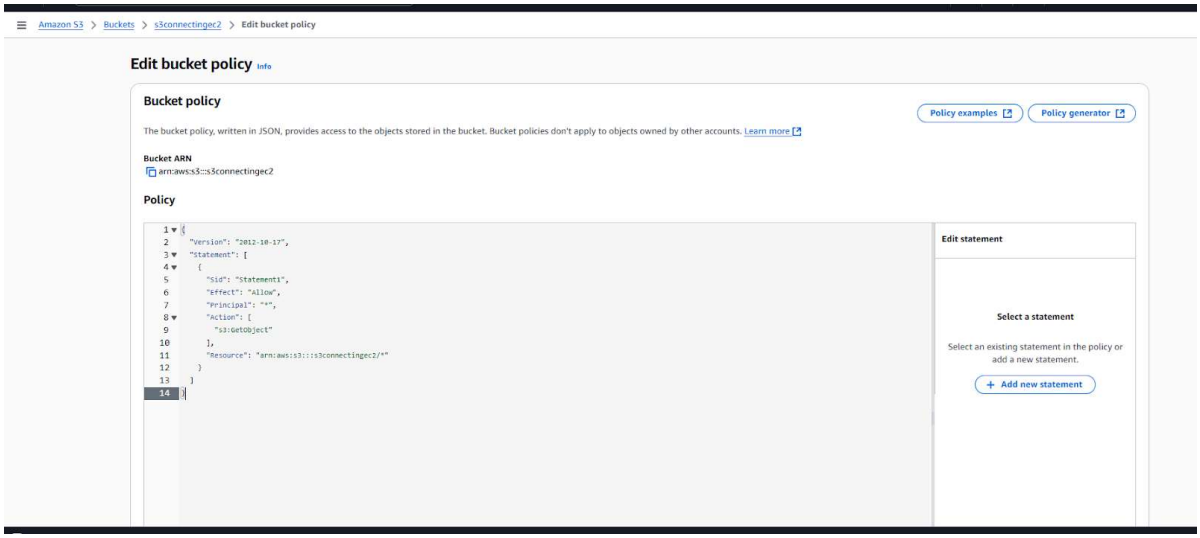
arn:aws:s3:::s3connectingec2/*

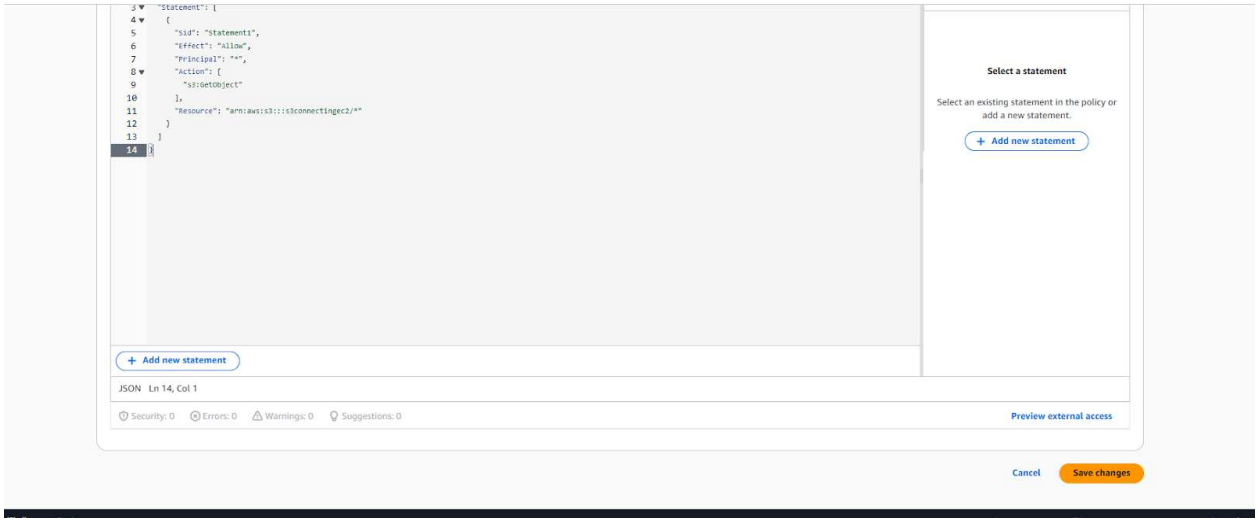
ARN should follow the following format: arn:aws:s3:::${BucketName}/${KeyName}. Use a comma to separate multiple values.

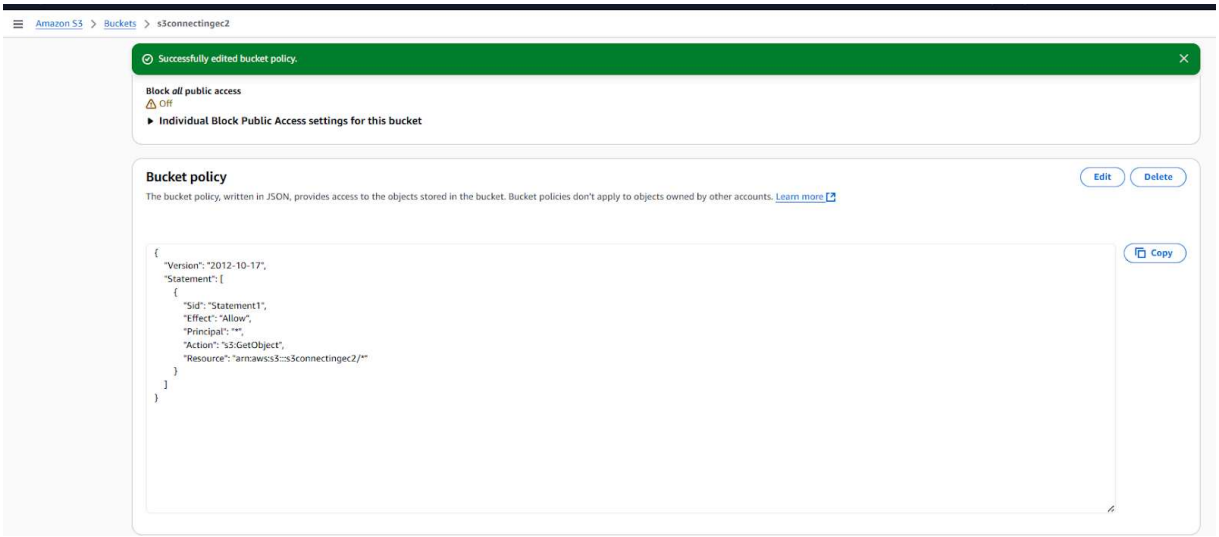
▸ **Add conditions (optional)**

Add Statement


Set Google Chrome as your default browser and pin it to your taskbar
Set as default
Actions
All Actions (*:*)
--Select Actions--
Amazon Resource Name (ARN)
All Resources (*:*)
Add conditions (optional)
Add Statement
Statements added (1)
Principal(s)
Effect
Remove
Allow
Remove
Step 3: Generate policy
Generate Policy
Policy JSON Document
Click below to edit. To save the policy, copy the text below to a text editor. Changes made below will not be reflected in the policy generator tool.
{
"Version": "2012-10-17",
"Statement": [
{
"Sid": "Statement1",
"Effect": "Allow",
"Principal": "*",
"Action": [
"s3:GetObject"
],
"Resource": "arn:aws:s3:::s3connectingec2/*"
}
]
}
1:1 JSON
This AWS Policy Generator is provided for informational purposes only, you are still responsible for your use of Amazon Web Services technologies and ensuring that your use is in compliance with all applicable terms and conditions. This AWS Policy Generator is provided as is without warranty of any kind, whether express, implied, or statutory. This AWS Policy Generator does not modify the applicable terms and conditions governing your use of Amazon Web Services technologies.
Copied
Close
Copy Policy


Amazon S3 > Buckets > s3connectingec2 > Edit bucket policy
Edit bucket policy Info
Bucket policy
Policy examples
Policy generator
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
Bucket ARN
arn:aws:s3:::s3connectingec2
Policy
Edit statement
Select a statement
Select an existing statement in the policy or add a new statement.
+ Add new statement


Select a statement
Select an existing statement in the policy or add a new statement.
+ Add new statement
+ Add new statement
JSON Ln 14, Col 1
Security: 0
Errors: 0
Warnings: 0
Suggestions: 0
Preview external access
Cancel
Save changes



10. Install AWS CLI on EC2

```
sudo apt update -y
sudo apt install -y unzip curl
curl "https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip" -o "awscliv2.zip"
unzip awscliv2.zip
sudo ./aws/install
aws --version
```

```
ubuntu@ip-172-31-3-166:~$ # Update packages
sudo apt update -y
sudo apt install -y unzip curl

# Download AWS CLI v2
curl "https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip" -o "awscliv2.zip"

# Unzip and install
unzip awscliv2.zip
sudo ./aws/install

# Verify
aws --version
Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Hit:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease
Hit:4 http://security.ubuntu.com/ubuntu noble-security InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
105 packages can be upgraded. Run 'apt list --upgradable' to see them.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
curl is already the newest version (8.5.0-2ubuntu10.6).
curl set to manually installed.
```

11. Sync Files from S3 to EC2 Bucket

- Download single file from S3 to EC2:

```
aws s3 cp s3://s3connectingec2/index.html /var/www/html/index.html
```

- To list files in S3 bucket:

```
aws s3 ls s3://s3connectingec2
```

```
You can now run: /usr/local/bin/aws --version
aws-cli/2.28.7 Python/3.13.4 Linux/6.8.0-1029-aws exe/x86_64.ubuntu.24
ubuntu@ip-172-31-2-4:~$ sudo aws s3 cp s3://s3connectingec2/index.html /var/www/html/index.html
download: s3://s3connectingec2/index.html to ../../var/www/html/index.html
ubuntu@ip-172-31-2-4:~$ cd /var/www/html
ubuntu@ip-172-31-2-4:/var/www/html$ ls
index.html
ubuntu@ip-172-31-2-4:/var/www/html$
ubuntu@ip-172-31-2-4:/var/www/html$
```

12. Validate Your Setup

- To check Apache is serving files, simply navigate to your EC2 public IP via browser.