

Experiment 1

1. Open AWS Academia and select launch instance

Resources

You are using the following Amazon EC2 resources in the US East (N. Virginia) Region:

Instances (running)	1	Auto Scaling Groups	1	Capacity Reservations	0
Dedicated Hosts	0	Elastic IPs	1	Instances	1
Key pairs	0	Load balancers	0	Placement groups	0
Security groups	2	Snapshots	0	Volumes	1

Launch instance

To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

Launch Instance **Migrate a server**

Note: Your instances will launch in the US East (N. Virginia) Region

Service health

AWS Health Dashboard

Region: US East (N. Virginia)

Status: **✓ This service is operating normally.**

Account attributes

Default VPC
vpc-Ofcb2f3f7a22f1a71

Settings

- Data protection and security
- Zones
- EC2 Serial Console
- Default credit specification
- EC2 console preferences

Additional information

2. Select Ubuntu

Recents **Quick Start**

Amazon Linux macOS **Ubuntu** Windows Red Hat SUSE L

Amazon Machine Image (AMI)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type **Free tier eligible**

ami-04a81a99f5ec58529 (64-bit (x86)) / ami-0c14ff330901e49ff (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>).

Architecture **AMI ID**

64-bit (x86) ami-04a81a99f5ec58529 **Verified provider**

Summary

Number of instances **Info**

1

Software Image (AMI)

Canonical, Ubuntu, 24.04 LTS, ...read more
ami-04a81a99f5ec58529

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

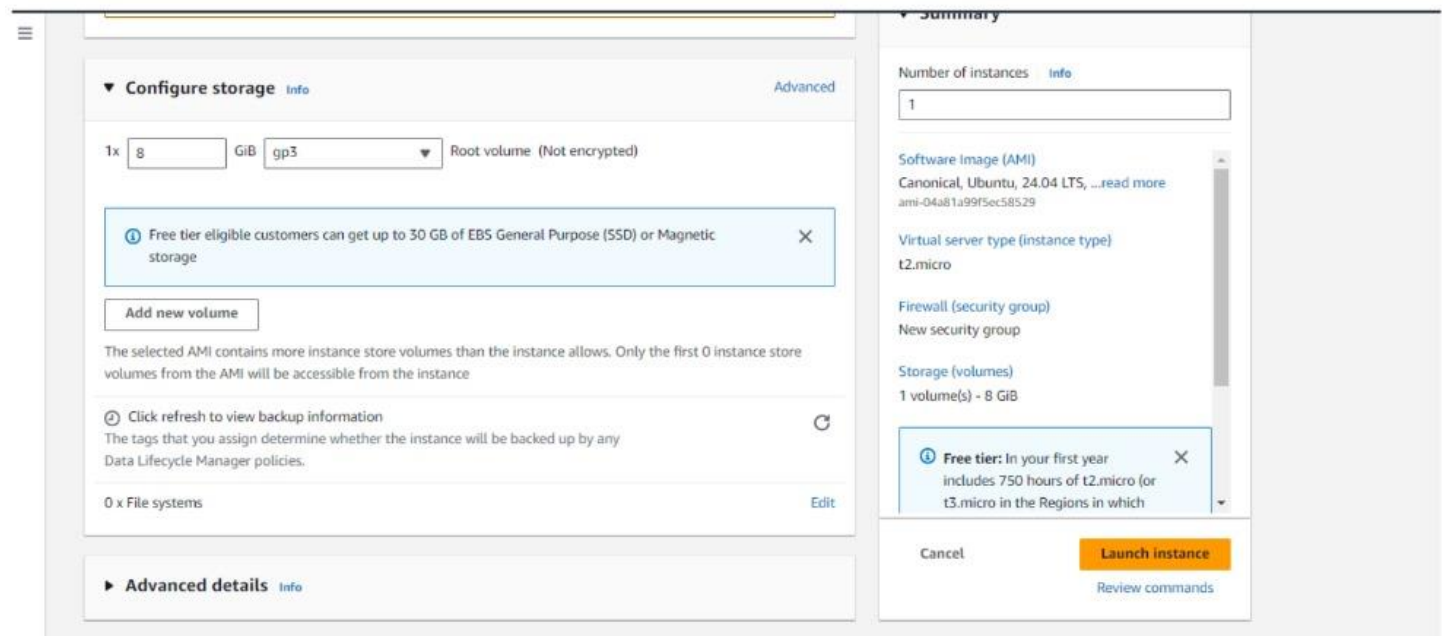
Storage (volumes)

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

Cancel **Launch instance**

3. Set the configuration



4. Execute the following commands in the aws console.

Commands :

```
sudo su
```

```
sudo apt install
```

```
sudo apt-get update
```

```
apt install apache2
```

```
systemctl status apache2
```

```
cd /var/www/html/
```

```
aws | Services | Search | [Alt+S] | N. Virginia | voclabs/user3413602=MHAPANKAR_ANUPRITA_ANAND @ 8567-4606-9793
Welcome to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-1009-aws x86_64)
 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

System information disabled due to load higher than 1.0
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.

ubuntu@ip-172-31-17-139:~$ sudo su
root@ip-172-31-17-139:/home/ubuntu# sudo apt install
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done

i-Of7cedaab7d390e14 (My Web Server)
PublicIPs: 3.91.6.193 PrivateIPs: 172.31.17.139
```

```
aws Services Search [Alt+S] N. Virginia voclabs/user3413602=MHAPANKAR_ANUPRITA_ANAND @ 8567-4606-9793
root@ip-172-31-17-139:/home/ubuntu# sudo apt-get update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
Get:6 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [265 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
Get:8 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [63.3 kB]
Get:9 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [3668 B]
Get:10 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [247 kB]
Get:11 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [107 kB]
Get:12 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [8632 B]
Get:13 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [9220 B]
Get:14 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [208 kB]
Get:15 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [40.7 kB]
Get:16 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 c-n-f Metadata [420 B]
Get:17 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [10.6 kB]
Get:18 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [2808 B]
Get:19 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [208 B]
Get:20 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [344 B]
Get:21 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get:22 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]
Get:23 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]
Get:24 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]
Get:25 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]
Get:26 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B]
Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [318 kB]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [82.9 kB]
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [5676 B]
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [319 kB]
Get:31 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [134 kB]
Get:32 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [45.0 kB]
Get:33 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [12.6 kB]
Get:34 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [208 kB]
Get:35 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [208 kB]
Get:36 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [40.7 kB]
Get:37 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 c-n-f Metadata [416 B]
Get:38 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [14.1 kB]
Get:39 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse Translation-en [3608 B]
Get:40 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [212 B]
Get:41 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [532 B]
Get:42 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [208 B]
Get:43 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 c-n-f Metadata [112 B]
Get:44 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [10.3 kB]
Get:45 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe Translation-en [10.5 kB]
Get:46 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [17.6 kB]
Get:47 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 c-n-f Metadata [1016 B]
Get:48 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]
Get:49 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 c-n-f Metadata [116 B]
Get:50 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]
Get:51 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 c-n-f Metadata [116 B]
Fetched 28.2 MB in 6s (5073 kB/s)
Reading package lists... Done
root@ip-172-31-17-139:/home/ubuntu# apt install apache2
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils libapr1t64 libaprutil1-dbd-sqlite3 libaprutil1-ldap libaprutil1t64 liblua5.4-0 ssl-cert
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser
The following NEW packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils libapr1t64 libaprutil1-dbd-sqlite3 libaprutil1-ldap libaprutil1t64 liblua5.4-0 ssl-cert
0 upgraded, 10 newly installed, 0 to remove and 42 not upgraded.
Need to get 2083 kB of archives.
After this operation, 8094 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libapr1t64 amd64 1.7.2-3.1build2 [107 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libaprutil1t64 amd64 1.6.3-1.1ubuntu7 [91.9 kB]
```

```
aws Services Search [Alt+S] N. Virginia voclabs/user3413602=MHAPANKAR_ANUPRITA_ANAND @ 8567-4606-9793
After this operation, 8094 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libapr1t64 amd64 1.7.2-3.1build2 [107 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libaprutil1t64 amd64 1.6.3-1.1ubuntu7 [91.9 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libaprutil1-dbd-sqlite3 amd64 1.6.3-1.1ubuntu7 [11.2 kB]
Get:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libaprutil1-ldap amd64 1.6.3-1.1ubuntu7 [9116 B]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 liblua5.4-0 amd64 5.4.6-3build2 [166 kB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 apache2-bin amd64 2.4.58-1ubuntu8.4 [1329 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 apache2-data all 2.4.58-1ubuntu8.4 [163 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 apache2-utils amd64 2.4.58-1ubuntu8.4 [97.1 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 apache2 amd64 2.4.58-1ubuntu8.4 [90.2 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 ssl-cert all 1.1.2ubuntu1 [17.8 kB]
Fetched 2083 kB in 0s (25.8 MB/s)
Preconfiguring packages ...
Selecting previously unselected package libapr1t64:amd64.
(Reading database ... 67739 files and directories currently installed.)
Preparing to unpack .../0-libapr1t64_1.7.2-3.1build2_amd64.deb ...
Unpacking libapr1t64:amd64 (1.7.2-3.1build2) ...
Selecting previously unselected package libaprutil1t64:amd64.
Preparing to unpack .../1-libaprutil1t64_1.6.3-1.1ubuntu7_amd64.deb ...
Unpacking libaprutil1t64:amd64 (1.6.3-1.1ubuntu7) ...
Selecting previously unselected package libaprutil1-dbd-sqlite3:amd64.
Preparing to unpack .../2-libaprutil1-dbd-sqlite3_1.6.3-1.1ubuntu7_amd64.deb ...
Unpacking libaprutil1-dbd-sqlite3:amd64 (1.6.3-1.1ubuntu7) ...
Selecting previously unselected package libaprutil1-ldap:amd64.
Preparing to unpack .../3-libaprutil1-ldap_1.6.3-1.1ubuntu7_amd64.deb ...
Unpacking libaprutil1-ldap:amd64 (1.6.3-1.1ubuntu7) ...
Selecting previously unselected package liblua5.4-0:amd64.
Preparing to unpack .../4-liblua5.4-0_5.4.6-3build2_amd64.deb ...
Unpacking liblua5.4-0:amd64 (5.4.6-3build2) ...
Selecting previously unselected package apache2-bin.
Preparing to unpack .../5-apache2-bin_2.4.58-1ubuntu8.4_amd64.deb ...
Unpacking apache2-bin (2.4.58-1ubuntu8.4) ...
Selecting previously unselected package apache2-data.
Preparing to unpack .../6-apache2-data_2.4.58-1ubuntu8.4_all.deb ...

aws Services Search [Alt+S] N. Virginia voclabs/user3413602=MHAPANKAR_ANUPRITA_ANAND @ 8567-4606-9793
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service → /usr/lib/systemd/system/apache2.service.
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 (2.39-0ubuntu8.2) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

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.
root@ip-172-31-17-139:/home/ubuntu# systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
   Active: active (running) since Wed 2024-08-07 14:32:03 UTC; 32s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Main PID: 2487 (apache2)
    Tasks: 55 (limit: 1130)
   Memory: 5.4M (peak: 5.6M)
      CPU: 37ms
   CGroup: /system.slice/apache2.service
           └─2487 /usr/sbin/apache2 -k start
           └─2490 /usr/sbin/apache2 -k start
           └─2491 /usr/sbin/apache2 -k start

Aug 07 14:32:03 ip-172-31-17-139 systemd[1]: Starting apache2.service - The Apache HTTP Server...
Aug 07 14:32:03 ip-172-31-17-139 systemd[1]: Started apache2.service - The Apache HTTP Server.
root@ip-172-31-17-139:/home/ubuntu# cd /var/www/html/
root@ip-172-31-17-139:/var/www/html#
```

5. Edit the inbound and outbound rules.

aws Services Search [Alt+S] N. Virginia voclabs/user3413602=MHAPANKAR_ANUPRITA_ANAND @ 8567-4606-9793

EC2 Dashboard
EC2 Global View
Events
Console-to-Code [Preview](#)

▼ 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

Details

EC2 > Security Groups > sg-0501f07360e1dce47 - launch-wizard-1

sg-0501f07360e1dce47 - launch-wizard-1

Actions

Details

Security group name launch-wizard-1	Security group ID sg-0501f07360e1dce47	Description launch-wizard-1 created 2024-08-07T14:21:19.108Z	VPC ID vpc-0ec7dea564d6f7acf
Owner 856746069793	Inbound rules count 1 Permission entry	Outbound rules count 1 Permission entry	

Inbound rules Outbound rules Tags

Inbound rules (1)

Search

	Name	Security group rule...	IP version	Type	Protocol	Port range
<input type="checkbox"/>	-	sgr-09fa86395ec8777e3	IPv4	HTTP	TCP	80

aws Services Search [Alt+S] N. Virginia voclabs/user3413602=MHAPANKAR_ANUPRITA_ANAND @ 8567-4606-9793

EC2 Dashboard
EC2 Global View
Events
Console-to-Code [Preview](#)

▼ 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

Details

EC2 > Security Groups > sg-0501f07360e1dce47 - launch-wizard-1

sg-0501f07360e1dce47 - launch-wizard-1

Actions

Details

Security group name launch-wizard-1	Security group ID sg-0501f07360e1dce47	Description launch-wizard-1 created 2024-08-07T14:21:19.108Z	VPC ID vpc-0ec7dea564d6f7acf
Owner 856746069793	Inbound rules count 1 Permission entry	Outbound rules count 1 Permission entry	

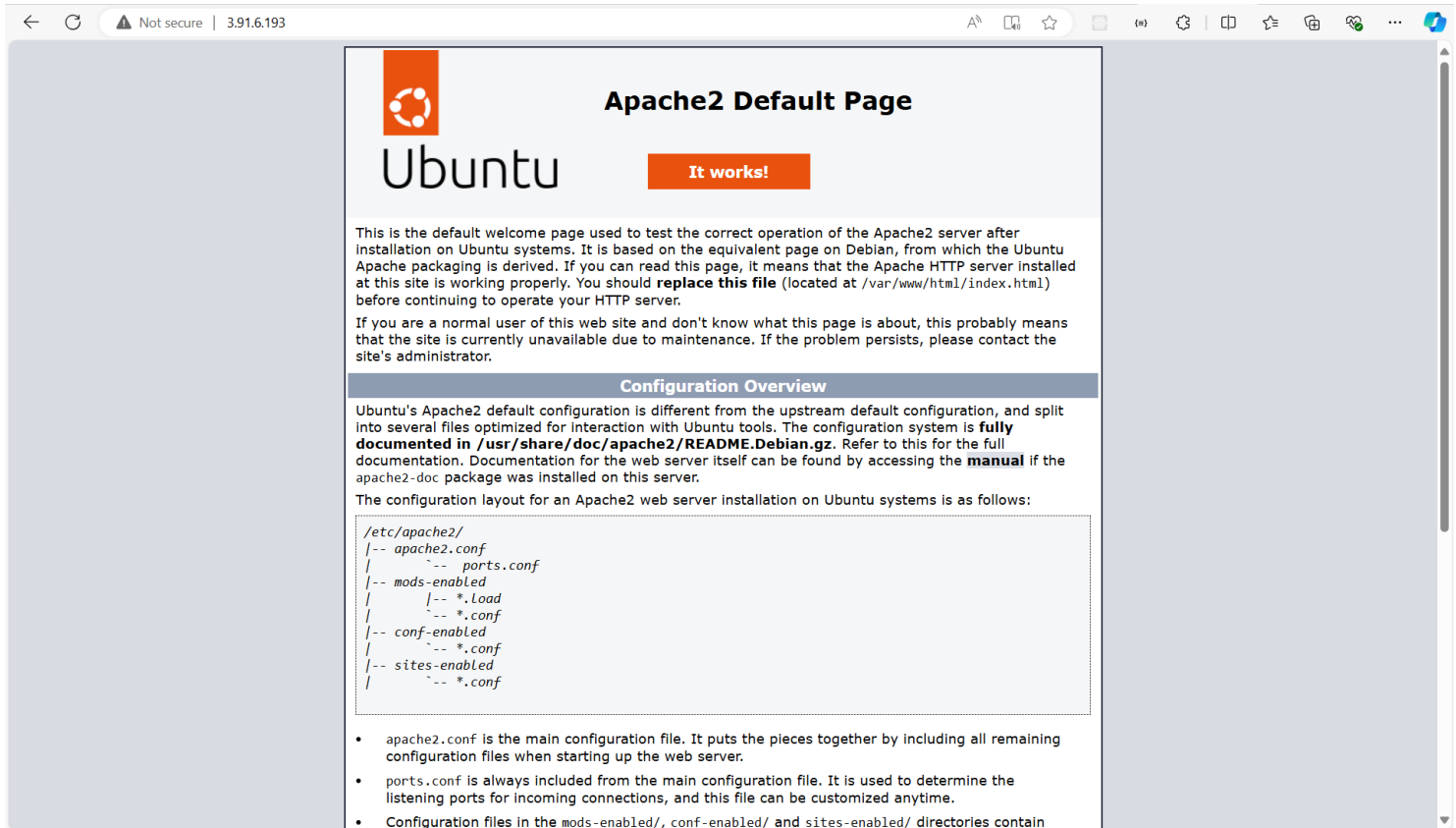
Inbound rules Outbound rules Tags

Outbound rules (1)

Search

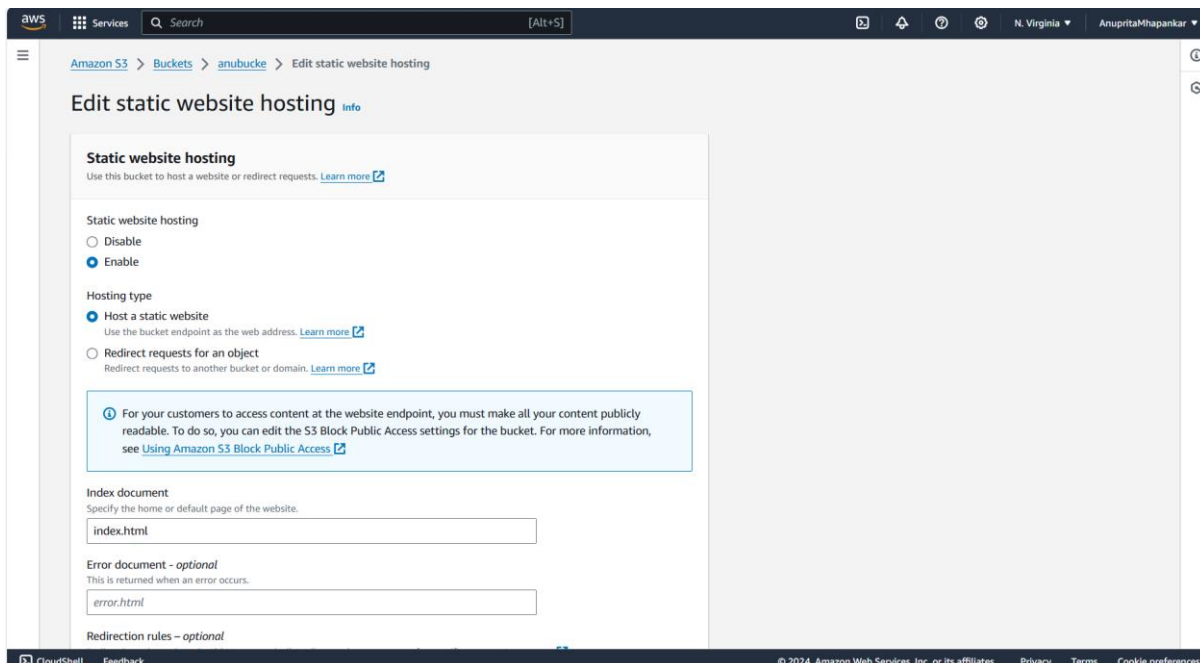
	Name	Security group rule...	IP version	Type	Protocol	Port range
<input type="checkbox"/>	-	sgr-0cc59fddd03e24266	IPv4	HTTP	TCP	80

6. This is the hosted Static Website.

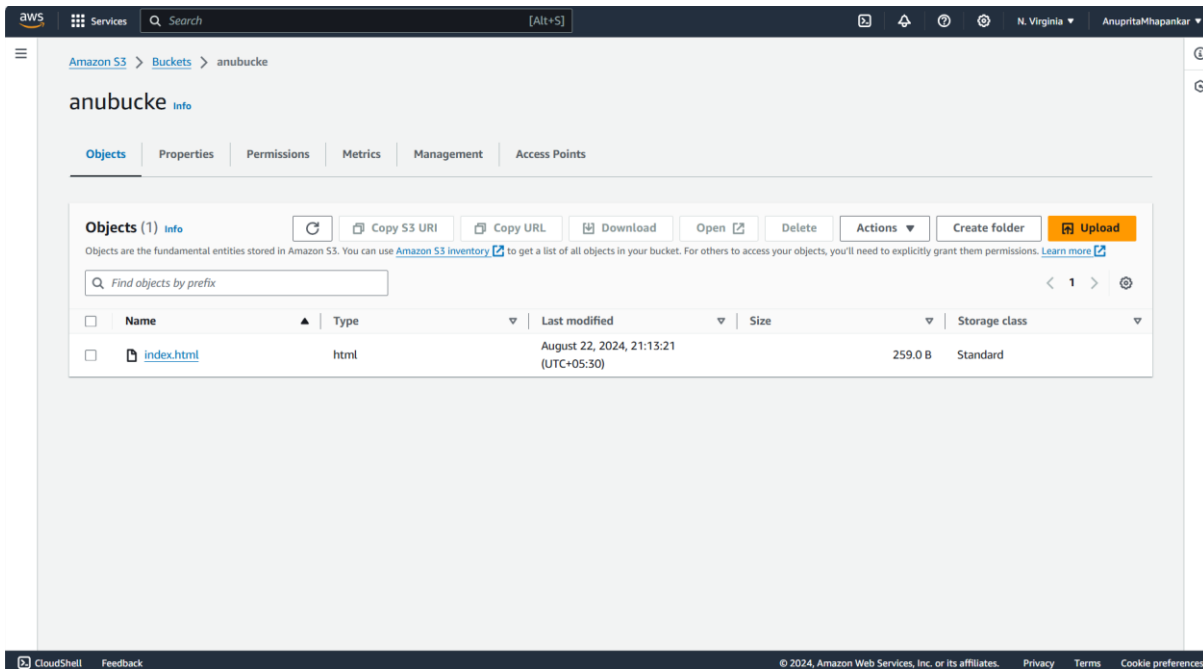


Using S3

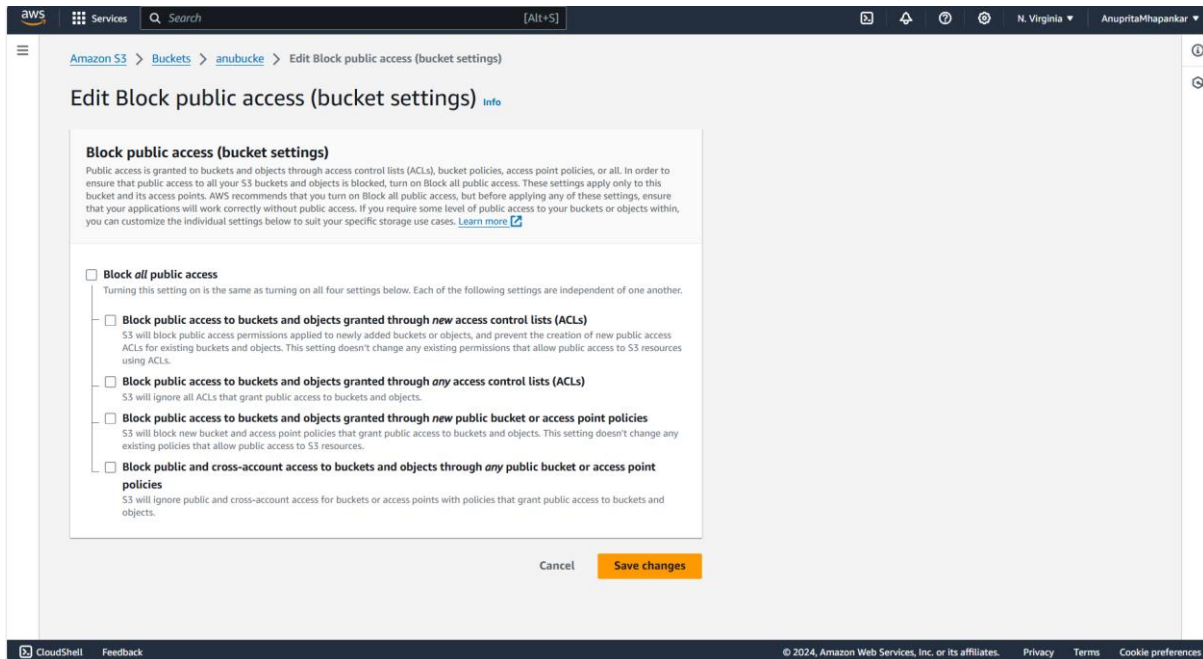
1. Visit S3 under the developer tools and create a Bucket. Click on the Edit Static Website Hosting under the properties tab



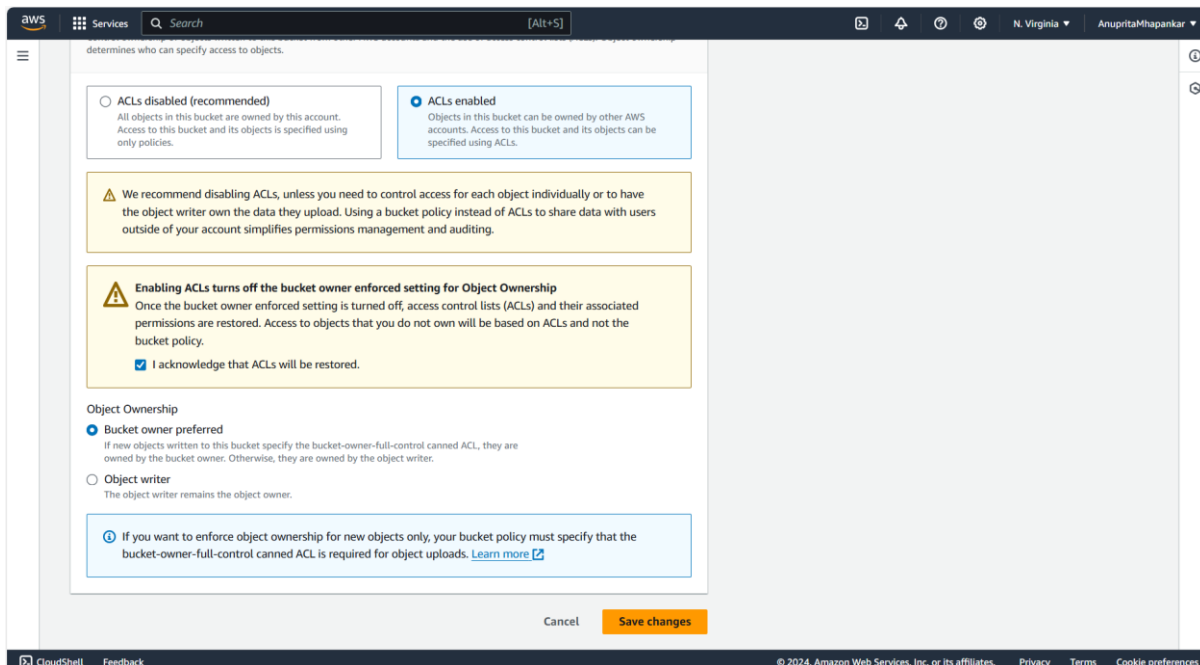
2. Upload a file



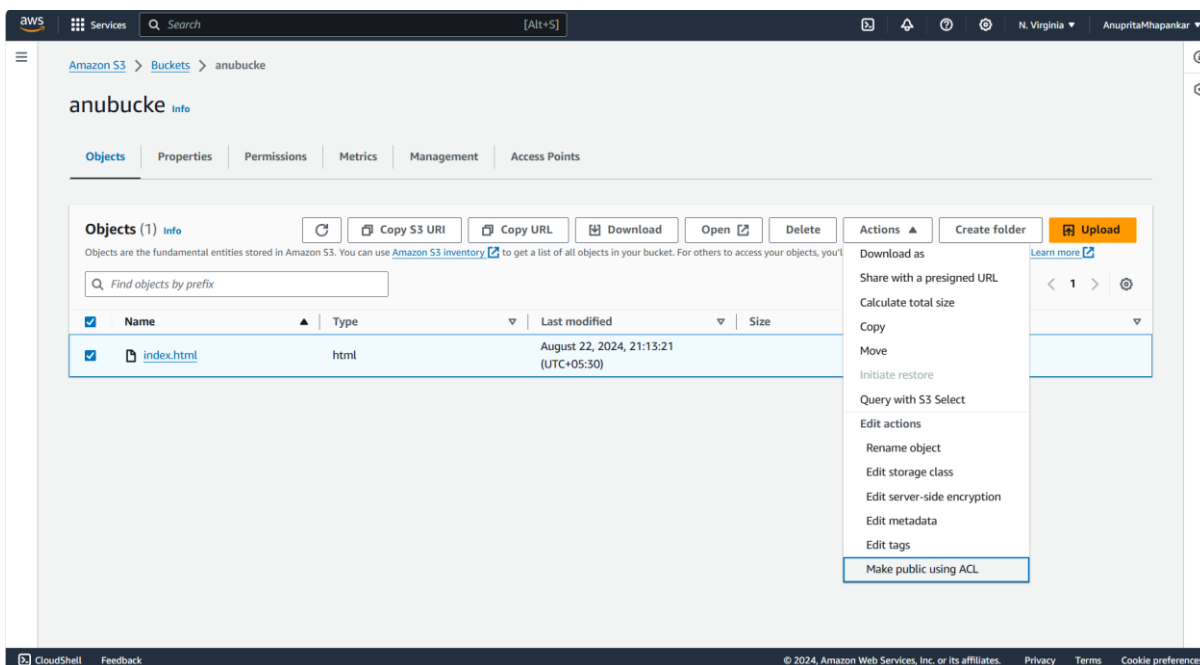
3. Click on the Edit block public access under the Permissions tab



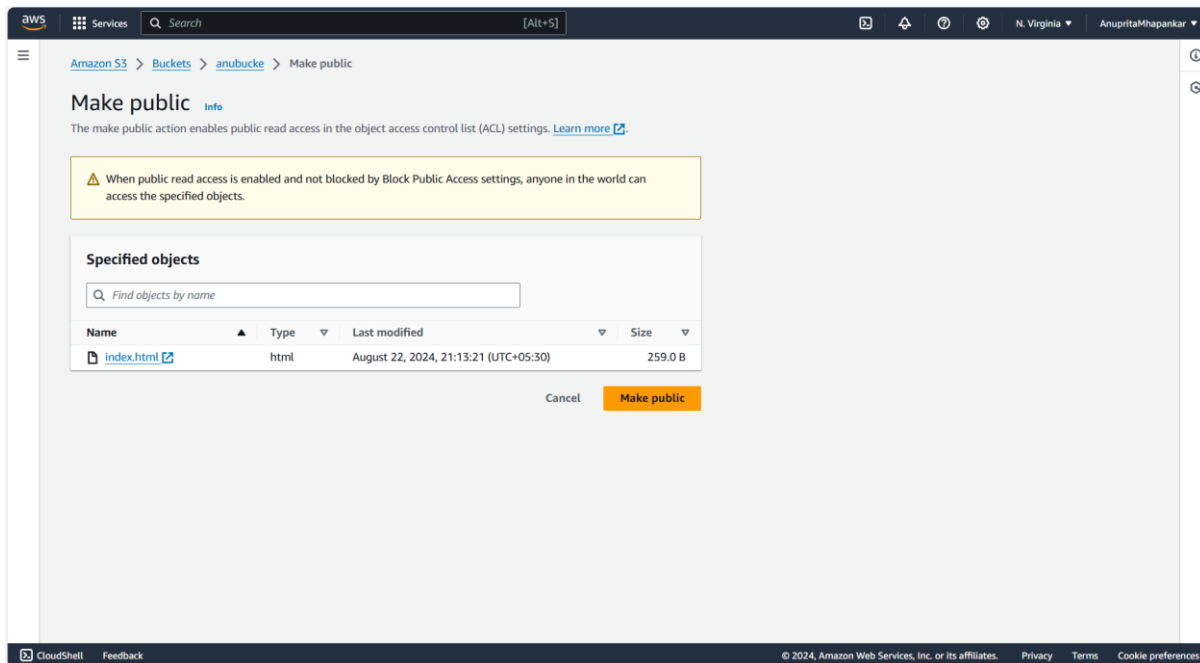
4. Click on Object Ownership under Permission Tab



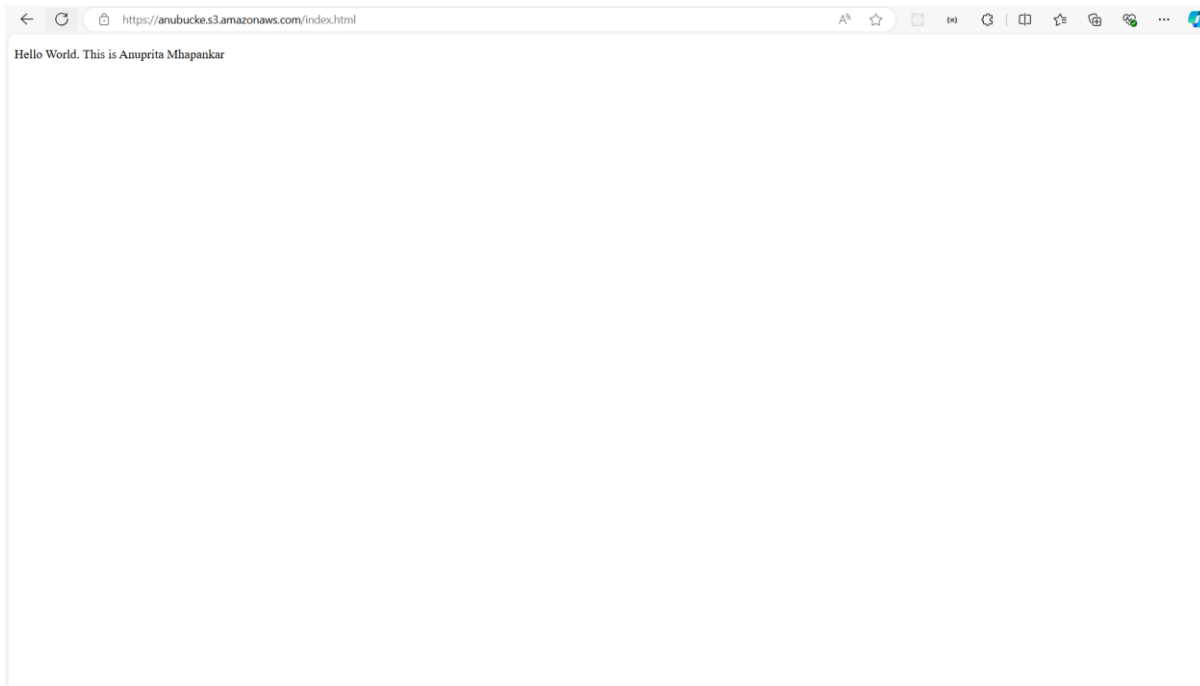
5. Select the file and click on Actions and select the option Make Public using ACL from the dropdown



6. Select on Make Public



7. Visit the domain and the website hosted.



Dynamic Hosting :

Step 1: Clone the following Github repository

https://github.com/ljharb/define-data-property

ljharb / define-data-property

Code Issues 1 Pull requests Actions Security Insights

define-data-property Public

Sponsor Watch 2 Fork 0 Star 4

main 2 Branches 7 Tags

Go to file Add file Code

ljharb	[Dev Deps] update @ljharb/tsconfig	a622c13 · 3 weeks ago	43 Commits
.github	[actions] cleanup	6 months ago	
test	[types] use a generic	5 months ago	
.eslintrc	[types] use a generic	5 months ago	
.gitignore	[types] hand-write d.ts instead of emitting it	6 months ago	
.npmrc	Initial implementation, tests, readme	last year	
.nycrc	Initial implementation, tests, readme	last year	
CHANGELOG.md	v1.1.4	6 months ago	
LICENSE	Initial commit	last year	
README.md	[New] add loose arg	last year	
index.d.ts	[types] use a generic	5 months ago	
index.js	[types] use a generic	5 months ago	
package.json	[Dev Deps] update @ljharb/tsconfig	3 weeks ago	

About

Define a data property on an object. Will fall back to assignment in an engine without descriptors.

javascript data object ecma script property enumerable configurable accessor define writable

Readme MIT license Code of conduct Security policy Activity 4 stars 2 watching 0 forks Report repository

Releases 7 tags

Step 2: Open Console and run the following command

```
root@ip-172-31-55-145:/home/ubuntu/dynamic/dyanamic_site# npm i
( ) : reify:define-data-property: http fetch GET 200 https://registry.npmjs.org/define-data-property
added 93 packages, and audited 94 packages in 3s

16 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
root@ip-172-31-55-145:/home/ubuntu/dynamic/dyanamic_site# npm start

> hosting-dynamic-website@1.0.0 start
> nodemon index.js

[nodemon] 3.1.4
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting `node index.js`
Server is running on port 3000
```

Step 3: Install necessary packages and run the website on port number 3000.

Not secure 54.237.31.193:3000

Hey this is Dynamic Website.

Hey this is about page.

IDE Hosting :

Step 1: Go to AWS Academy and open AWS Cloud9 from developer Tools.

aws

Services

Search

[Alt+S]

N. Virginia

voclabs/user3413602=MHAPANKAR_ANUPRITA_ANAND @ 8567-4606-9793

Developer Tools

AWS Cloud9

A cloud IDE for writing, running, and debugging code

AWS Cloud9 allows you to write, run, and debug your code with just a browser. With AWS Cloud9, you have immediate access to a rich code editor, integrated debugger, and built-in terminal with preconfigured AWS CLI. You can get started in minutes and no longer have to spend the time to install local applications or configure your development machine.

New AWS Cloud9 environment

Create environment

How it works

Create an AWS Cloud9 development environment on a new Amazon EC2 instance or connect it to your own Linux server through SSH. Once you've created an AWS Cloud9 environment, you will have immediate access to a rich code editor, integrated debugger, and built-in terminal with pre-configured AWS CLI - all within your browser.

Using the AWS Cloud9 dashboard, you can create and switch between many different AWS Cloud9 environments, each one containing the custom tools, runtimes, and files for a specific project.

[Learn more](#)

Getting started

- [Before you start](#) (2 min read)
- [Create an environment](#) (2 min read)
- [Working with environments](#) (15 min read)
- [Working with the IDE](#) (10 min read)
- [Working with AWS Lambda](#) (5 min read)

More resources

CloudShell

Feedback

© 2024, Amazon Web Services, Inc. or its affiliates.

Privacy

Terms

Cookie preferences

Step 2: Create a environment

Create environment Info

Name _____

anupritaenv

Limit of 60 characters, alphanumeric, and unique per user.

Description - *optional*

Limit 200 characters.

Environment type [Info](#)

Determines what the Cloud9 IDE will run on.

- ☒ **New EC2 instance**
Cloud9 creates an EC2 instance in your account. The configuration of your EC2 instance cannot be changed by Cloud9 after creation.

☐ **Existing compute**
You have an existing instance or server that you'd like to use.

New EC2 instance

Instance type [Info](#)

The memory and CPU of the EC2 instance that will be created for Cloud9 to run on.

- | | | |
|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <input checked="" type="radio"/> t2.micro (1 GiB RAM + 1 vCPU)
Free-tier eligible. Ideal for | <input type="radio"/> t3.small (2 GiB RAM + 2 vCPU)
Recommended for small web | <input type="radio"/> m5.large (8 GiB RAM + 2 vCPU)
Recommended for production an |
|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|

30 minutes

Network settings [Info](#)

Connection

How your environment is accessed.

- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <input checked="" type="radio"/> AWS Systems Manager (SSM)
Accesses environment via SSM without opening inbound ports (no ingress). | <input type="radio"/> Secure Shell (SSH)
Accesses environment directly via SSH, opens inbound ports. |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|

► VPC settings [Info](#)

► Tags - *optional* [Info](#)

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.

 The following IAM resources will be created in your account

- **AWSServiceRoleForAWSCloud9** - AWS Cloud9 creates a service-linked role for you. This allows AWS Cloud9 to call other AWS services on your behalf. You can delete the role from the AWS IAM console once you no longer have any AWS Cloud9 environments. [Learn more](#)
- **AWSCloud9SSMAccessRole** and **AWSCloud9SSMInstanceProfile** - A service role and an instance profile are automatically created if Cloud9 accesses its EC2 instance through AWS Systems Manager. If your environments no longer require EC2 instances that block incoming traffic, you can delete these roles using the AWS IAM console. [Learn more](#)

Cancel

Create