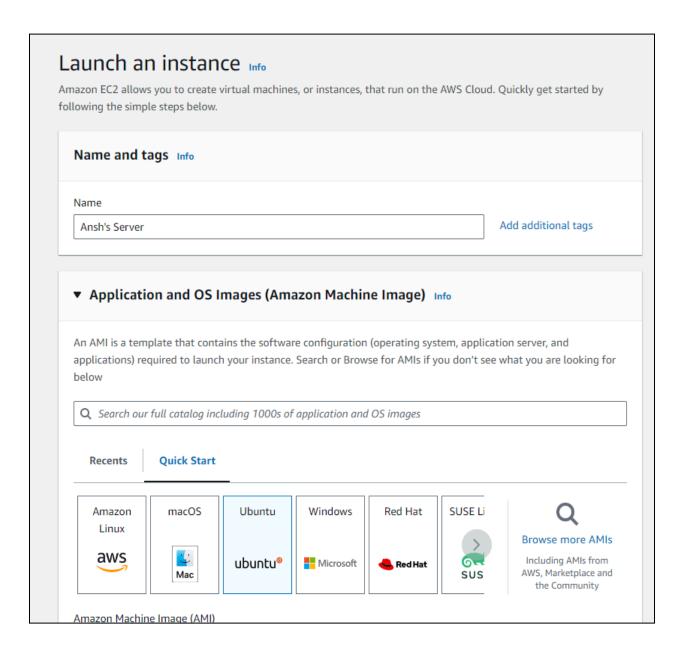
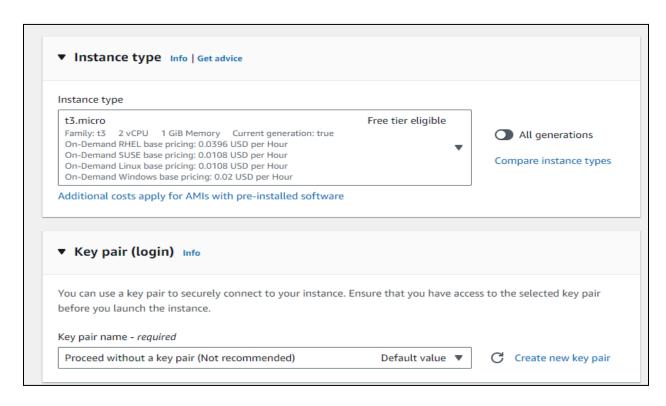
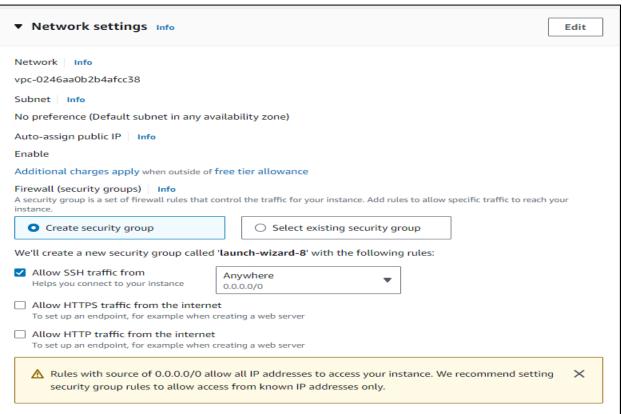
#### **ADVANCE DEVOPS EXP-1**

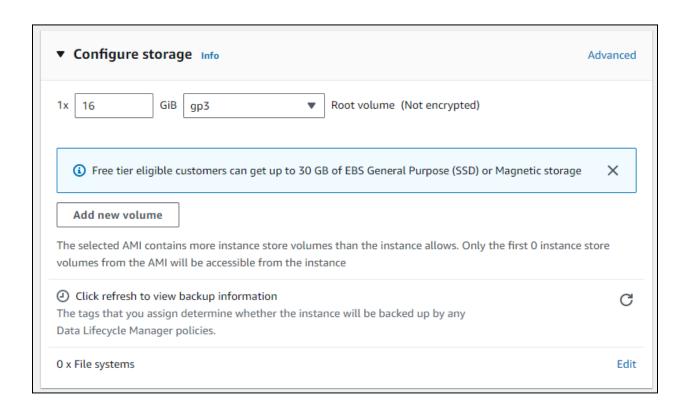
Ansh Sarfare D15A/50

Aim: To understand the benefits of Cloud infrastructure and Setup AWS Cloud9 IDE, Launch AWS Cloud9 IDE and and Perform Collaboration Demonstration.

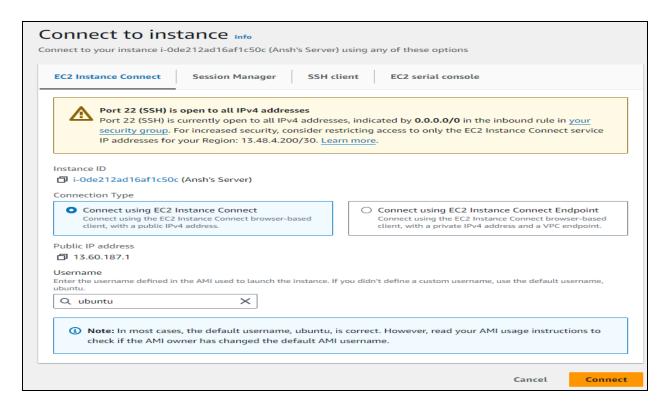


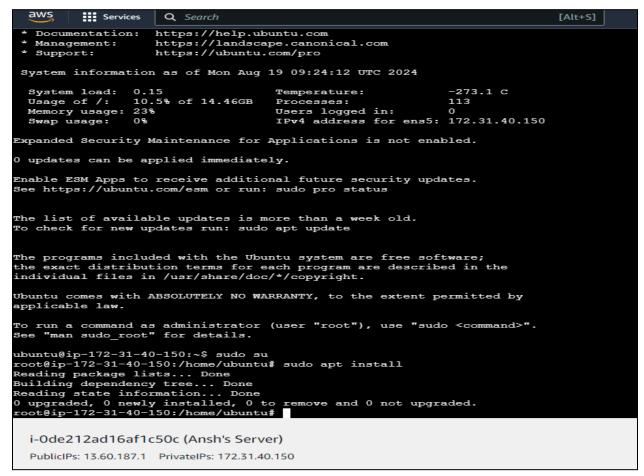












```
root@51p-172-31-40-150;/home/ubuntuf sudo apt-get update.

Hit: l http://eu-north-lec2.archive.ubuntu.com/ubuntu noble InRelease

Get: 2 http://eu-north-lec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]

Get: 3 http://eu-north-lec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]

Get: 5 http://eu-north-lec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]

Get: 5 http://eu-north-lec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]

Get: 6 http://eu-north-lec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]

Get: 7 http://eu-north-lec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [337] kB]

Get: 8 http://eu-north-lec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [350] kB]

Get: 9 http://eu-north-lec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]

Get: 11 http://eu-north-lec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]

Get: 12 http://eu-north-lec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 C-n-f Metadata [828 B]

Get: 13 http://eu-north-lec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 C-n-f Metadata [828 B]

Get: 13 http://eu-north-lec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [18 kB]

Get: 14 http://eu-north-lec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [84 SP]

Get: 16 http://eu-north-lec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [86 SP]

Get: 16 http://eu-north-lec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [86 SP]

Get: 16 http://eu-north-lec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [16 KB]

Get: 16 http://eu-north-lec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [16 KB]

Get: 17 http://eu-north-lec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [17 KB]

Get: 18 http://eu-north-lec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [17 KB]

Get: 18 http://eu-north-lec2.archive.ubuntu.com/ubuntu noble-updates/main Translati
```

```
Get:47 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [10.6 kB]
Get:48 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [2808 B]
Get:50 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [208 B]
Get:50 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [208 B]
Fetched 28.4 MB in 5s (5454 kB/s)
Reading package lists... Done
root@ip-172-31-40-150:/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 libaprutill-dbd-sqlite3 libaprutill-ldap libaprutillt64 liblua5.
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 libaprutill-dbd-sqlite3 libaprutill-ldap libaprutillt64
0 upgraded, 10 newly installed, 0 to remove and 54 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]

i-Ode212ad16af1c50c (Ansh's Server)
PublicIPs: 13.60.187.1 PrivateIPs: 172.31.40.150
```

```
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-172-31-40-150:/home/ubuntu# cd /var/www/html/

root@ip-172-31-40-150:/var/www/html#

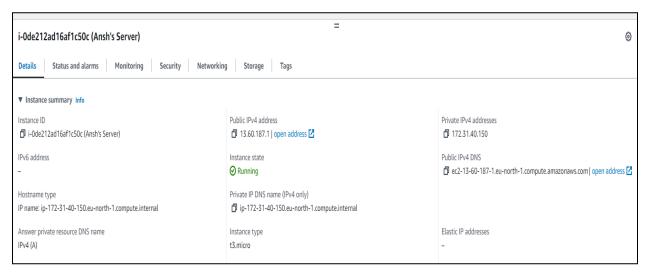
i-Ode212ad16af1c50c (Ansh's Server)

PublicIPs: 13.60.187.1 PrivateIPs: 172.31.40.150
```

# Go to Security Groups and edit inbound & outbound rules







∆ Not secure 13.60,187.1



## **Apache2 Default Page**

Ubuntu

It works!

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

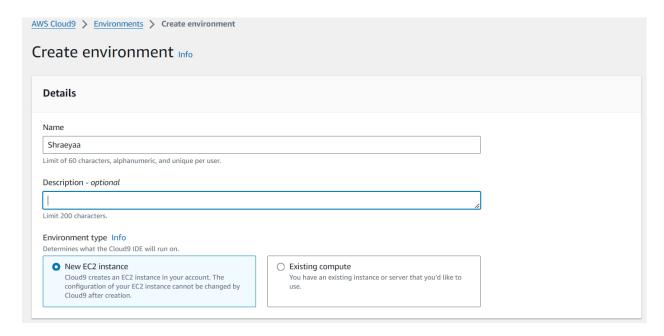
If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

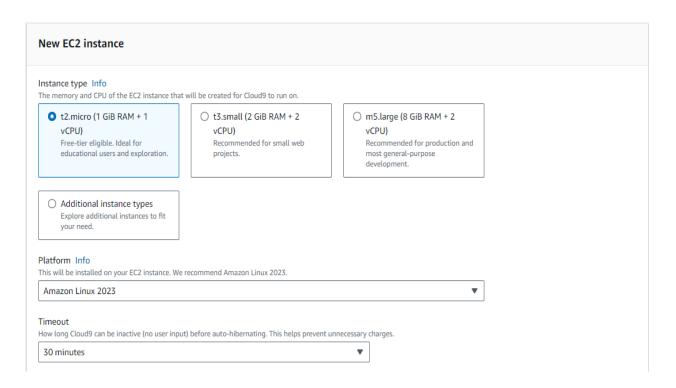
#### **Configuration Overview**

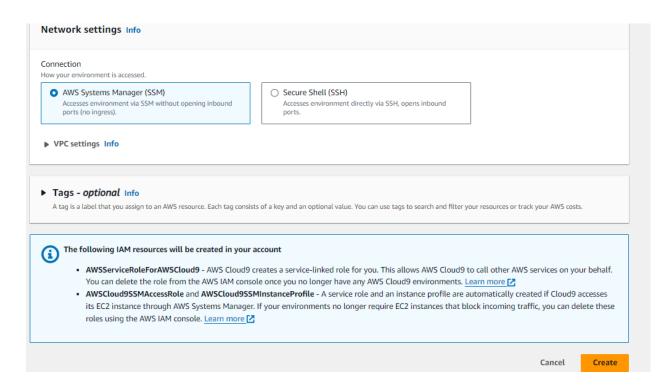
Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in /usr/share/doc/apache2/README.Debian.gz**. Refer to this for the full documentation.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

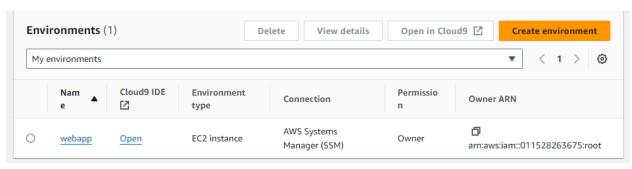
The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

## Cloud9:











User name
Ansh
The user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, and + = , . @ (hyphen)
Provide user access to the AWS Management Console - optional  If you're providing console access to a person, it's a best practice  to manage their access in IAM Identity Center.
Are you providing console access to a person?  User type  Specify a user in Identity Center - Recommended  We recommend that you use Identity Center to provide console access to a person. With Identity Center, you can centrally manage user access to their AWS accounts and cloud applications.  I want to create an IAM user
We recommend that you create IAM users only if you need to enable programmatic access through access keys, service-specific credentials for AWS CodeCommit or Amazon Keyspaces, or a backup credential for emergency account access.
Autogenerated password You can view the password after you create the user.  Custom password Enter a custom password for the user.  Show password  Users must create a new password at next sign-in - Recommended Users automatically get the IAMUserChangePassword policy to allow them to change their own password.  If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user. Learn more
Cancel Nex
et permissions  Id user to an existing group or create a new one. Using groups is a best-practice way to manage user's permissions by job functions. Learn more
Permissions options
Add user to group Add user to an existing group, or create a new group. We recommend using groups to manage user permissions by job function.  Copy all group memberships, attached managed policies, and inline policies from an existing user.  Attach policies directly Attach a managed policy directly to a user. As a best practice, we recommend attaching policies to a group instead. Then, add the user to the appropriate group.
Get started with groups Create a group and select policies to attach to the group. We recommend using groups to manage user permissions by job function, AWS service access, or custom permissions. Learn more
▼ Set permissions boundary - <i>optional</i>

Set a permissions boundary to control the maximum permissions for this user. Use this advanced feature used to delegate permission management to others. Learn more 🛂

Cancel

Previous

Next

Use a permissions boundary to control the maximum permissions You can select one of the existing permissions policies to define the boundary.

