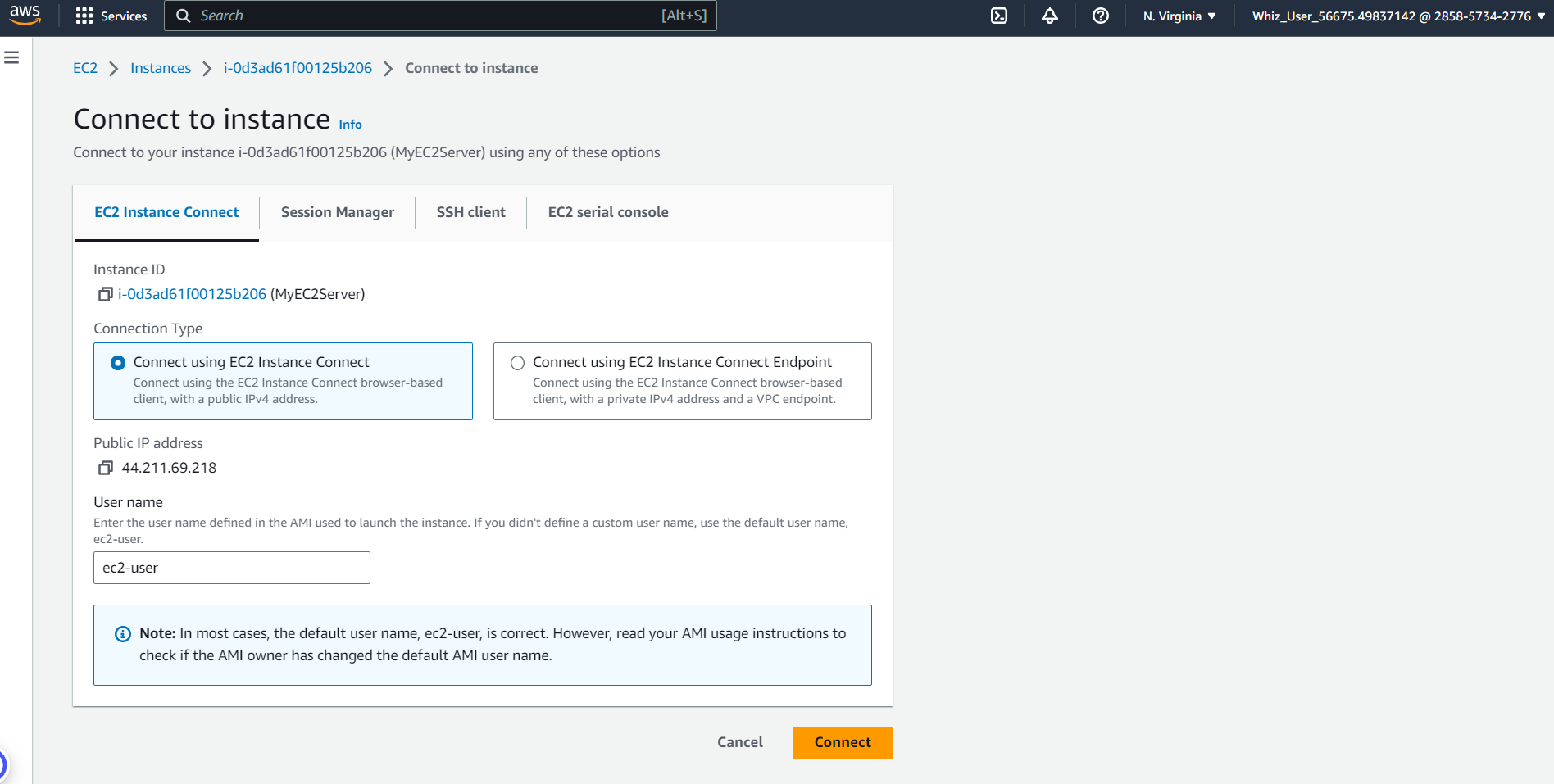
**Launch an EC2 instance on AWS, install Apache Web Server, Create a webpage and Publish it into the instance**

**Created an Amazon Linux EC2 instance**



**Installed Apache Web Server and created a html webpage**

\_\_| \_\_|\_ )

\_| ( / Amazon Linux 2 AMI

\_\_\_|\\_\_\_|\_\_\_|

https://aws.amazon.com/amazon-linux-2/

6 package(s) needed for security, out of 8 available

Run "sudo yum update" to apply all updates.

[ec2-user@ip-172-31-94-34 ~]$ sudo su

[root@ip-172-31-94-34 ec2-user]# yum -y update

Loaded plugins: extras\_suggestions, langpacks, priorities, update-motd

Resolving Dependencies

--> Running transaction check

---> Package kernel.x86\_64 0:5.10.184-175.749.amzn2 will be installed

---> Package kernel-tools.x86\_64 0:5.10.184-175.731.amzn2 will be updated

---> Package kernel-tools.x86\_64 0:5.10.184-175.749.amzn2 will be an update

---> Package libcap.x86\_64 0:2.54-1.amzn2.0.1 will be updated

---> Package libcap.x86\_64 0:2.54-1.amzn2.0.2 will be an update

---> Package libtiff.x86\_64 0:4.0.3-35.amzn2.0.6 will be updated

---> Package libtiff.x86\_64 0:4.0.3-35.amzn2.0.7 will be an update

---> Package python-requests.noarch 0:2.6.0-7.amzn2 will be updated

---> Package python-requests.noarch 0:2.6.0-10.amzn2.0.1 will be an update

---> Package python2-rsa.noarch 0:3.4.1-1.amzn2.0.3 will be updated

---> Package python2-rsa.noarch 0:3.4.1-1.amzn2.0.4 will be an update

---> Package python3-pip.noarch 0:20.2.2-1.amzn2.0.3 will be updated

---> Package python3-pip.noarch 0:20.2.2-1.amzn2.0.4 will be an update

---> Package tcpdump.x86\_64 14:4.9.2-4.amzn2.1 will be updated

---> Package tcpdump.x86\_64 14:4.9.2-4.amzn2.1.0.1 will be an update

--> Finished Dependency Resolution

Dependencies Resolved

============================================================================================================================================================================

Package Arch Version Repository Size

============================================================================================================================================================================

Installing:

kernel x86\_64 5.10.184-175.749.amzn2 amzn2extra-kernel-5.10 33 M

Updating:

kernel-tools x86\_64 5.10.184-175.749.amzn2 amzn2extra-kernel-5.10 203 k

libcap x86\_64 2.54-1.amzn2.0.2 amzn2-core 73 k

libtiff x86\_64 4.0.3-35.amzn2.0.7 amzn2-core 174 k

python-requests noarch 2.6.0-10.amzn2.0.1 amzn2-core 95 k

python2-rsa noarch 3.4.1-1.amzn2.0.4 amzn2-core 67 k

python3-pip noarch 20.2.2-1.amzn2.0.4 amzn2-core 2.0 M

tcpdump x86\_64 14:4.9.2-4.amzn2.1.0.1 amzn2-core 424 k

Transaction Summary

============================================================================================================================================================================

Install 1 Package

Upgrade 7 Packages

Total download size: 36 M

Downloading packages:

Delta RPMs disabled because /usr/bin/applydeltarpm not installed.

(1/8): libcap-2.54-1.amzn2.0.2.x86\_64.rpm | 73 kB 00:00:00

(2/8): libtiff-4.0.3-35.amzn2.0.7.x86\_64.rpm | 174 kB 00:00:00

(3/8): python-requests-2.6.0-10.amzn2.0.1.noarch.rpm | 95 kB 00:00:00

(4/8): python2-rsa-3.4.1-1.amzn2.0.4.noarch.rpm | 67 kB 00:00:00

(5/8): kernel-tools-5.10.184-175.749.amzn2.x86\_64.rpm | 203 kB 00:00:00

(6/8): python3-pip-20.2.2-1.amzn2.0.4.noarch.rpm | 2.0 MB 00:00:00

(7/8): tcpdump-4.9.2-4.amzn2.1.0.1.x86\_64.rpm | 424 kB 00:00:00

(8/8): kernel-5.10.184-175.749.amzn2.x86\_64.rpm | 33 MB 00:00:00

----------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Total 36 MB/s | 36 MB 00:00:01

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

Updating : libcap-2.54-1.amzn2.0.2.x86\_64 1/15

Updating : kernel-tools-5.10.184-175.749.amzn2.x86\_64 2/15

Updating : python2-rsa-3.4.1-1.amzn2.0.4.noarch 3/15

Updating : libtiff-4.0.3-35.amzn2.0.7.x86\_64 4/15

Updating : python-requests-2.6.0-10.amzn2.0.1.noarch 5/15

Installing : kernel-5.10.184-175.749.amzn2.x86\_64 6/15

Updating : 14:tcpdump-4.9.2-4.amzn2.1.0.1.x86\_64 7/15

Updating : python3-pip-20.2.2-1.amzn2.0.4.noarch 8/15

Cleanup : python2-rsa-3.4.1-1.amzn2.0.3.noarch 9/15

Cleanup : python-requests-2.6.0-7.amzn2.noarch 10/15

Cleanup : python3-pip-20.2.2-1.amzn2.0.3.noarch 11/15

Cleanup : kernel-tools-5.10.184-175.731.amzn2.x86\_64 12/15

Cleanup : libcap-2.54-1.amzn2.0.1.x86\_64 13/15

Cleanup : libtiff-4.0.3-35.amzn2.0.6.x86\_64 14/15

Cleanup : 14:tcpdump-4.9.2-4.amzn2.1.x86\_64 15/15

Verifying : python3-pip-20.2.2-1.amzn2.0.4.noarch 1/15

Verifying : 14:tcpdump-4.9.2-4.amzn2.1.0.1.x86\_64 2/15

Verifying : kernel-5.10.184-175.749.amzn2.x86\_64 3/15

Verifying : kernel-tools-5.10.184-175.749.amzn2.x86\_64 4/15

Verifying : python-requests-2.6.0-10.amzn2.0.1.noarch 5/15

Verifying : libcap-2.54-1.amzn2.0.2.x86\_64 6/15

Verifying : libtiff-4.0.3-35.amzn2.0.7.x86\_64 7/15

Verifying : python2-rsa-3.4.1-1.amzn2.0.4.noarch 8/15

Verifying : python3-pip-20.2.2-1.amzn2.0.3.noarch 9/15

Verifying : kernel-tools-5.10.184-175.731.amzn2.x86\_64 10/15

Verifying : libtiff-4.0.3-35.amzn2.0.6.x86\_64 11/15

Verifying : python-requests-2.6.0-7.amzn2.noarch 12/15

Verifying : 14:tcpdump-4.9.2-4.amzn2.1.x86\_64 13/15

Verifying : python2-rsa-3.4.1-1.amzn2.0.3.noarch 14/15

Verifying : libcap-2.54-1.amzn2.0.1.x86\_64 15/15

Installed:

kernel.x86\_64 0:5.10.184-175.749.amzn2

Updated:

kernel-tools.x86\_64 0:5.10.184-175.749.amzn2 libcap.x86\_64 0:2.54-1.amzn2.0.2 libtiff.x86\_64 0:4.0.3-35.amzn2.0.7 python-requests.noarch 0:2.6.0-10.amzn2.0.1

python2-rsa.noarch 0:3.4.1-1.amzn2.0.4 python3-pip.noarch 0:20.2.2-1.amzn2.0.4 tcpdump.x86\_64 14:4.9.2-4.amzn2.1.0.1

Complete!

[root@ip-172-31-94-34 ec2-user]# yum install httpd -y

Loaded plugins: extras\_suggestions, langpacks, priorities, update-motd

Resolving Dependencies

--> Running transaction check

---> Package httpd.x86\_64 0:2.4.57-1.amzn2 will be installed

--> Processing Dependency: httpd-tools = 2.4.57-1.amzn2 for package: httpd-2.4.57-1.amzn2.x86\_64

--> Processing Dependency: httpd-filesystem = 2.4.57-1.amzn2 for package: httpd-2.4.57-1.amzn2.x86\_64

--> Processing Dependency: system-logos-httpd for package: httpd-2.4.57-1.amzn2.x86\_64

--> Processing Dependency: mod\_http2 for package: httpd-2.4.57-1.amzn2.x86\_64

--> Processing Dependency: httpd-filesystem for package: httpd-2.4.57-1.amzn2.x86\_64

--> Processing Dependency: /etc/mime.types for package: httpd-2.4.57-1.amzn2.x86\_64

--> Processing Dependency: libaprutil-1.so.0()(64bit) for package: httpd-2.4.57-1.amzn2.x86\_64

--> Processing Dependency: libapr-1.so.0()(64bit) for package: httpd-2.4.57-1.amzn2.x86\_64

--> Running transaction check

---> Package apr.x86\_64 0:1.7.2-1.amzn2 will be installed

---> Package apr-util.x86\_64 0:1.6.3-1.amzn2.0.1 will be installed

--> Processing Dependency: apr-util-bdb(x86-64) = 1.6.3-1.amzn2.0.1 for package: apr-util-1.6.3-1.amzn2.0.1.x86\_64

---> Package generic-logos-httpd.noarch 0:18.0.0-4.amzn2 will be installed

---> Package httpd-filesystem.noarch 0:2.4.57-1.amzn2 will be installed

---> Package httpd-tools.x86\_64 0:2.4.57-1.amzn2 will be installed

---> Package mailcap.noarch 0:2.1.41-2.amzn2 will be installed

---> Package mod\_http2.x86\_64 0:1.15.19-1.amzn2.0.1 will be installed

--> Running transaction check

---> Package apr-util-bdb.x86\_64 0:1.6.3-1.amzn2.0.1 will be installed

--> Finished Dependency Resolution

Dependencies Resolved

============================================================================================================================================================================

Package Arch Version Repository Size

============================================================================================================================================================================

Installing:

httpd x86\_64 2.4.57-1.amzn2 amzn2-core 1.4 M

Installing for dependencies:

apr x86\_64 1.7.2-1.amzn2 amzn2-core 130 k

apr-util x86\_64 1.6.3-1.amzn2.0.1 amzn2-core 101 k

apr-util-bdb x86\_64 1.6.3-1.amzn2.0.1 amzn2-core 22 k

generic-logos-httpd noarch 18.0.0-4.amzn2 amzn2-core 19 k

httpd-filesystem noarch 2.4.57-1.amzn2 amzn2-core 24 k

httpd-tools x86\_64 2.4.57-1.amzn2 amzn2-core 88 k

mailcap noarch 2.1.41-2.amzn2 amzn2-core 31 k

mod\_http2 x86\_64 1.15.19-1.amzn2.0.1 amzn2-core 149 k

Transaction Summary

============================================================================================================================================================================

Install 1 Package (+8 Dependent packages)

Total download size: 1.9 M

Installed size: 5.2 M

Downloading packages:

(1/9): apr-1.7.2-1.amzn2.x86\_64.rpm | 130 kB 00:00:00

(2/9): apr-util-1.6.3-1.amzn2.0.1.x86\_64.rpm | 101 kB 00:00:00

(3/9): apr-util-bdb-1.6.3-1.amzn2.0.1.x86\_64.rpm | 22 kB 00:00:00

(4/9): generic-logos-httpd-18.0.0-4.amzn2.noarch.rpm | 19 kB 00:00:00

(5/9): httpd-filesystem-2.4.57-1.amzn2.noarch.rpm | 24 kB 00:00:00

(6/9): httpd-2.4.57-1.amzn2.x86\_64.rpm | 1.4 MB 00:00:00

(7/9): httpd-tools-2.4.57-1.amzn2.x86\_64.rpm | 88 kB 00:00:00

(8/9): mailcap-2.1.41-2.amzn2.noarch.rpm | 31 kB 00:00:00

(9/9): mod\_http2-1.15.19-1.amzn2.0.1.x86\_64.rpm | 149 kB 00:00:00

----------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Total 9.3 MB/s | 1.9 MB 00:00:00

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

Installing : apr-1.7.2-1.amzn2.x86\_64 1/9

Installing : apr-util-1.6.3-1.amzn2.0.1.x86\_64 2/9

Installing : apr-util-bdb-1.6.3-1.amzn2.0.1.x86\_64 3/9

Installing : httpd-tools-2.4.57-1.amzn2.x86\_64 4/9

Installing : httpd-filesystem-2.4.57-1.amzn2.noarch 5/9

Installing : generic-logos-httpd-18.0.0-4.amzn2.noarch 6/9

Installing : mailcap-2.1.41-2.amzn2.noarch 7/9

Installing : mod\_http2-1.15.19-1.amzn2.0.1.x86\_64 8/9

Installing : httpd-2.4.57-1.amzn2.x86\_64 9/9

Verifying : apr-util-bdb-1.6.3-1.amzn2.0.1.x86\_64 1/9

Verifying : apr-1.7.2-1.amzn2.x86\_64 2/9

Verifying : httpd-tools-2.4.57-1.amzn2.x86\_64 3/9

Verifying : apr-util-1.6.3-1.amzn2.0.1.x86\_64 4/9

Verifying : mailcap-2.1.41-2.amzn2.noarch 5/9

Verifying : generic-logos-httpd-18.0.0-4.amzn2.noarch 6/9

Verifying : mod\_http2-1.15.19-1.amzn2.0.1.x86\_64 7/9

Verifying : httpd-2.4.57-1.amzn2.x86\_64 8/9

Verifying : httpd-filesystem-2.4.57-1.amzn2.noarch 9/9

Installed:

httpd.x86\_64 0:2.4.57-1.amzn2

Dependency Installed:

apr.x86\_64 0:1.7.2-1.amzn2 apr-util.x86\_64 0:1.6.3-1.amzn2.0.1 apr-util-bdb.x86\_64 0:1.6.3-1.amzn2.0.1 generic-logos-httpd.noarch 0:18.0.0-4.amzn2

httpd-filesystem.noarch 0:2.4.57-1.amzn2 httpd-tools.x86\_64 0:2.4.57-1.amzn2 mailcap.noarch 0:2.1.41-2.amzn2 mod\_http2.x86\_64 0:1.15.19-1.amzn2.0.1

Complete!

[root@ip-172-31-94-34 ec2-user]# systemctl start httpd

[root@ip-172-31-94-34 ec2-user]# systemctl enable httpd

Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.

[root@ip-172-31-94-34 ec2-user]# systemctl status httpd

● httpd.service - The Apache HTTP Server

Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; vendor preset: disabled)

Active: active (running) since Thu 2023-07-20 06:51:17 UTC; 33s ago

Docs: man:httpd.service(8)

Main PID: 6824 (httpd)

Status: "Total requests: 0; Idle/Busy workers 100/0;Requests/sec: 0; Bytes served/sec: 0 B/sec"

CGroup: /system.slice/httpd.service

├─6824 /usr/sbin/httpd -DFOREGROUND

├─6825 /usr/sbin/httpd -DFOREGROUND

├─6826 /usr/sbin/httpd -DFOREGROUND

├─6827 /usr/sbin/httpd -DFOREGROUND

├─6828 /usr/sbin/httpd -DFOREGROUND

└─6829 /usr/sbin/httpd -DFOREGROUND

Jul 20 06:51:17 ip-172-31-94-34.ec2.internal systemd[1]: Starting The Apache HTTP Server...

Jul 20 06:51:17 ip-172-31-94-34.ec2.internal systemd[1]: Started The Apache HTTP Server.

[root@ip-172-31-94-34 ec2-user]# echo "<html>Hi, My name is Brian and I am a trainee at Azubi Africa.</html>" > /var/www/html/index.html

[root@ip-172-31-94-34 ec2-user]# systemctl restart httpd

**Display of the Web Page**

