

Step 1: Launch the ec2 instance on linux operation system.

Step 2: Connect the instance with EC2 connect.

Step 3: Update the server and go to the root user.

us-west-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-west-1&connType=standard&instanc...

aws Services Search [Alt+S] N. California Bhargav L N S N

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Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
19 package(s) needed for security, out of 31 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-27-79 ~]$ sudo su -
[root@ip-172-31-27-79 ~]# yum update -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Resolving Dependencies
--> Running transaction check
----> Package aws-cfn-bootstrap.noarch 0:2.0-10.amzn2 will be updated
----> Package aws-cfn-bootstrap.noarch 0:2.0-20.amzn2 will be an update
----> Package curl.x86_64 0:7.79.1-6.amzn2.0.1 will be updated
----> Package curl.x86_64 0:7.79.1-7.amzn2.0.1 will be an update
----> Package e2fsprogs.x86_64 0:1.42.9-19.amzn2 will be updated
----> Package e2fsprogs.x86_64 0:1.42.9-19.amzn2.0.1 will be an update
----> Package e2fsprogs-libs.x86_64 0:1.42.9-19.amzn2 will be updated
----> Package e2fsprogs-libs.x86_64 0:1.42.9-19.amzn2.0.1 will be an update
----> Package ec2-net-utils.noarch 0:1.7.2-1.amzn2 will be updated
----> Package ec2-net-utils.noarch 0:1.7.3-1.amzn2 will be an update
----> Package kernel.x86_64 0:5.10.155-138.670.amzn2 will be installed
----> Package libblkid.x86_64 0:2.30.2-2.amzn2.0.9 will be updated

i-079a19d8194b38b58 (Amiserver)
PublicIPs: 52.53.240.77 PrivateIPs: 172.31.27.79

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```

Step 4: Install the httpd server and start, enable the httpd

us-west-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-west-1&connType=standard&instanc...

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e2fsprogs.x86_64 0:1.42.9-19.amzn2.0.1
ec2-net-utils.noarch 0:1.7.3-1.amzn2
libcom_err.x86_64 0:1.42.9-19.amzn2.0.1
libfdisk.x86_64 0:2.30.2-2.amzn2.0.10
libsmartcols.x86_64 0:2.30.2-2.amzn2.0.10
libuuid.x86_64 0:2.30.2-2.amzn2.0.10
ncurses.x86_64 0:6.0-8.20170212.amzn2.1.4
ncurses-libs.x86_64 0:6.0-8.20170212.amzn2.1.4
nss.x86_64 0:3.79.0-4.amzn2
nss-softokn-freebl.x86_64 0:3.79.0-4.amzn2
nss-tools.x86_64 0:3.79.0-4.amzn2
systemd.x86_64 0:219-78.amzn2.0.21
systemd-sysv.x86_64 0:219-78.amzn2.0.21
util-linux.x86_64 0:2.30.2-2.amzn2.0.10

e2fsprogs-libs.x86_64 0:1.42.9-19.amzn2.0.1
libblkid.x86_64 0:2.30.2-2.amzn2.0.10
libcurl.x86_64 0:7.79.1-7.amzn2.0.1
libmount.x86_64 0:2.30.2-2.amzn2.0.10
libss.x86_64 0:1.42.9-19.amzn2.0.1
microcode_ctl.x86_64 2:2.1-47.amzn2.0.14
ncurses-base.noarch 0:6.0-8.20170212.amzn2.1.4
napr.x86_64 0:4.34.0-3.1.amzn2
nss-softokn.x86_64 0:3.79.0-4.amzn2
nss-sysinit.x86_64 0:3.79.0-4.amzn2
nss-util.x86_64 0:3.79.0-1.amzn2
systemd-libs.x86_64 0:219-78.amzn2.0.21
tzdata.noarch 0:2022F-1.amzn2.0.1
xfsprogs.x86_64 0:5.0.0-10.amzn2.0.1

Complete!
[root@ip-172-31-27-79 ~]# yum install httpd -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 3.7 kB 00:00:00
Resolving Dependencies
--> Running transaction check
--> Package httpd.x86_64 0:2.4.54-1.amzn2 will be installed
--> Processing Dependency: httpd-tools = 2.4.54-1.amzn2 for package: httpd-2.4.54-1.amzn2.x86_64
--> Processing Dependency: httpd-filesystem = 2.4.54-1.amzn2 for package: httpd-2.4.54-1.amzn2.x86_64
--> Processing Dependency: system-logos-httpd for package: httpd-2.4.54-1.amzn2.x86_64

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```

us-west-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-west-1&connType=standard&instanc...

aws Services Search [Alt+S] N. California Bhargav L N S N

```
Verifying : apr-util-1.6.1-5.amzn2.0.2.x86_64 1/9
Verifying : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64 2/9
Verifying : httpd-tools-2.4.54-1.amzn2.x86_64 3/9
Verifying : mod_http2-1.15.19-1.amzn2.0.1.x86_64 4/9
Verifying : httpd-2.4.54-1.amzn2.x86_64 5/9
Verifying : mailcap-2.1.41-2.amzn2.noarch 6/9
Verifying : generic-logos-httpd-18.0.0-4.amzn2.noarch 7/9
Verifying : httpd-filesystem-2.4.54-1.amzn2.noarch 8/9
Verifying : apr-1.7.0-9.amzn2.x86_64 9/9

Installed:
  httpd.x86_64 0:2.4.54-1.amzn2

Dependency Installed:
  apr.x86_64 0:1.7.0-9.amzn2          apr-util.x86_64 0:1.6.1-5.amzn2.0.2
  apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2  generic-logos-httpd.noarch 0:18.0.0-4.amzn2
  httpd-filesystem.noarch 0:2.4.54-1.amzn2  httpd-tools.x86_64 0:2.4.54-1.amzn2
  mailcap.noarch 0:2.1.41-2.amzn2          mod_http2.x86_64 0:1.15.19-1.amzn2.0.1

Complete!
[root@ip-172-31-27-79 ~]# systemctl start httpd
[root@ip-172-31-27-79 ~]# systemctl enable httpd
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.
[root@ip-172-31-27-79 ~]#
```

i-079a19d8194b38b58 (Amiserver)

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## Step 5: Check the status of the httpd server

us-west-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-west-1&connType=standard&instanc...

aws Services Search [Alt+S] N. California Bhargav L N S N

```
mailcap.noarch 0:2.1.41-2.amzn2 mod_http2.x86_64 0:1.15.19-1.amzn2.0.1

Complete!
[root@ip-172-31-27-79 ~]# systemctl start httpd
[root@ip-172-31-27-79 ~]# systemctl enable httpd
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.
[root@ip-172-31-27-79 ~]# 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 Mon 2022-12-12 11:52:43 UTC; 37s ago
     Docs: man:httpd.service(8)
  Main PID: 10313 (httpd)
    Status: "Total requests: 0; Idle/Busy workers 100/0;Requests/sec: 0; Bytes served/sec: 0 B/sec"
   CGroup: /system.slice/httpd.service
           └─10313 /usr/sbin/httpd -DFOREGROUND
             └─10314 /usr/sbin/httpd -DFOREGROUND
               └─10315 /usr/sbin/httpd -DFOREGROUND
                 └─10316 /usr/sbin/httpd -DFOREGROUND
                   └─10317 /usr/sbin/httpd -DFOREGROUND
                     └─10318 /usr/sbin/httpd -DFOREGROUND

Dec 12 11:52:43 ip-172-31-27-79.us-west-1.compute.internal systemd[1]: Starting The Apache HTTP Server...
Dec 12 11:52:43 ip-172-31-27-79.us-west-1.compute.internal systemd[1]: Started The Apache HTTP Server.
[root@ip-172-31-27-79 ~]#
```

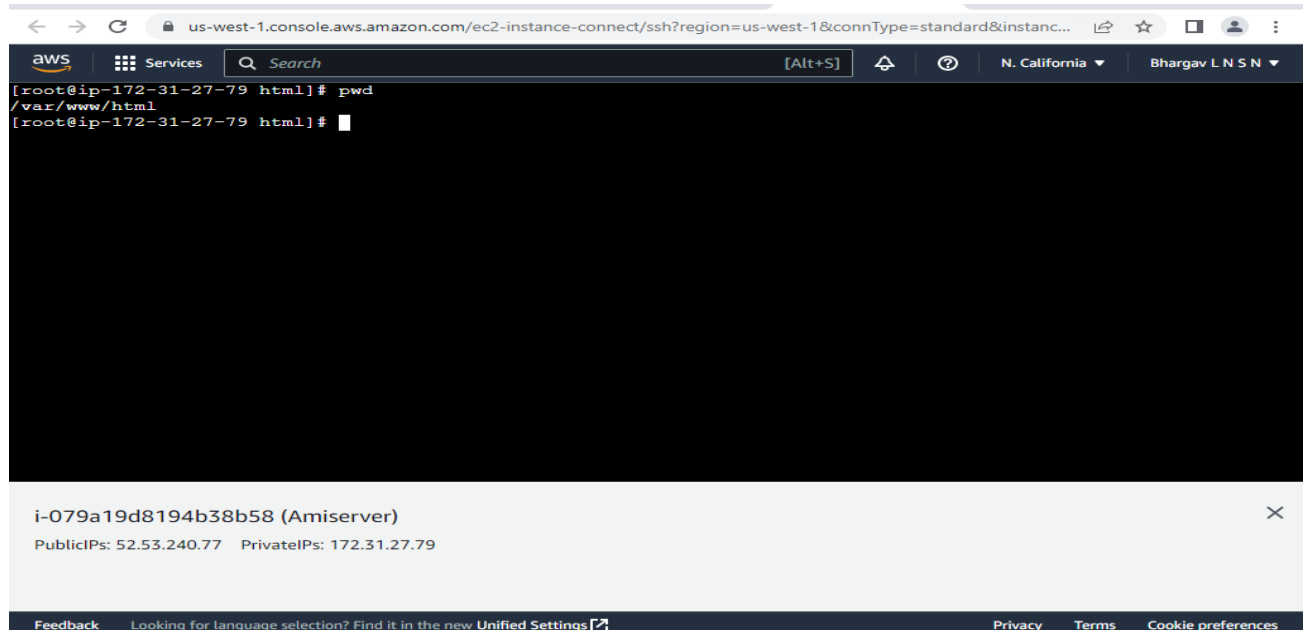
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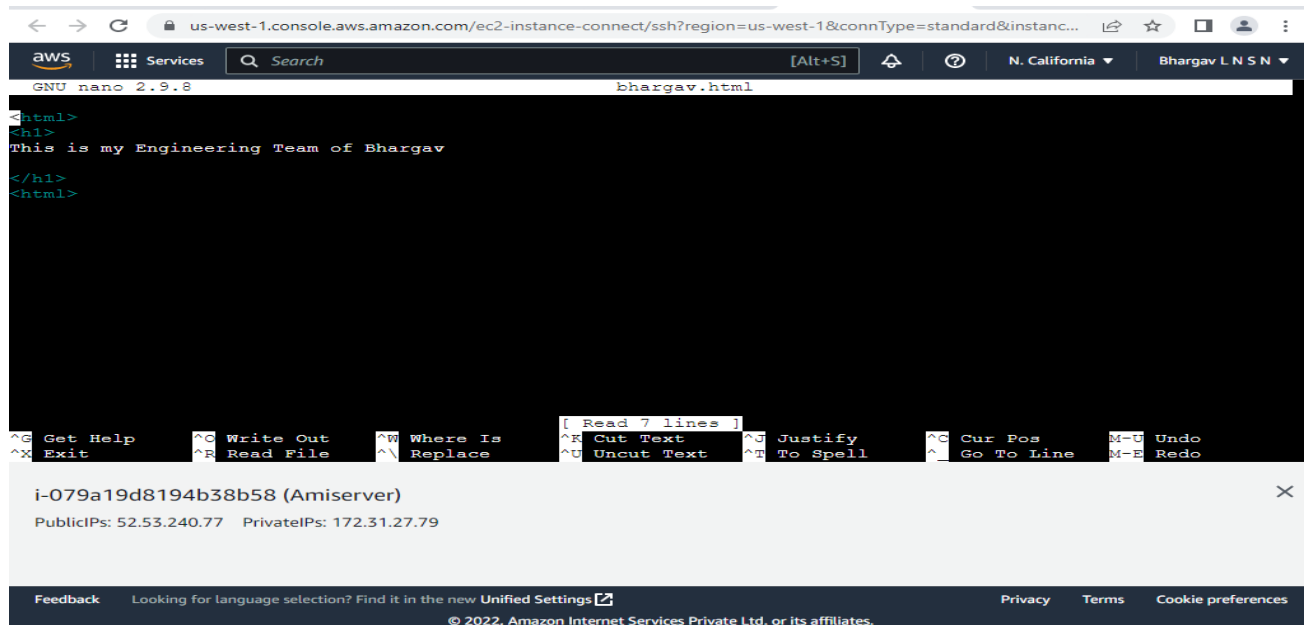
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## Step 6: Change the directory to the cd /var/www/html



The screenshot shows the AWS Management Console interface for an EC2 instance. The browser address bar displays the URL: `us-west-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-west-1&connType=standard&instanc...`. The console header includes the AWS logo, a 'Services' menu, a search bar, and the current region 'N. California' and user 'Bhargav L N S N'. The main terminal window shows a shell prompt `[root@ip-172-31-27-79 html]#`. The user has entered the command `cd /var/www/html`, and the prompt has changed to `[root@ip-172-31-27-79 html]#`. Below the terminal, the instance details for `i-079a19d8194b38b58 (Amiserver)` are visible, showing Public IPs: 52.53.240.77 and Private IPs: 172.31.27.79. The footer contains links for Feedback, Privacy, Terms, and Cookie preferences.

## Step 7: Add .html file and insert html script in the file

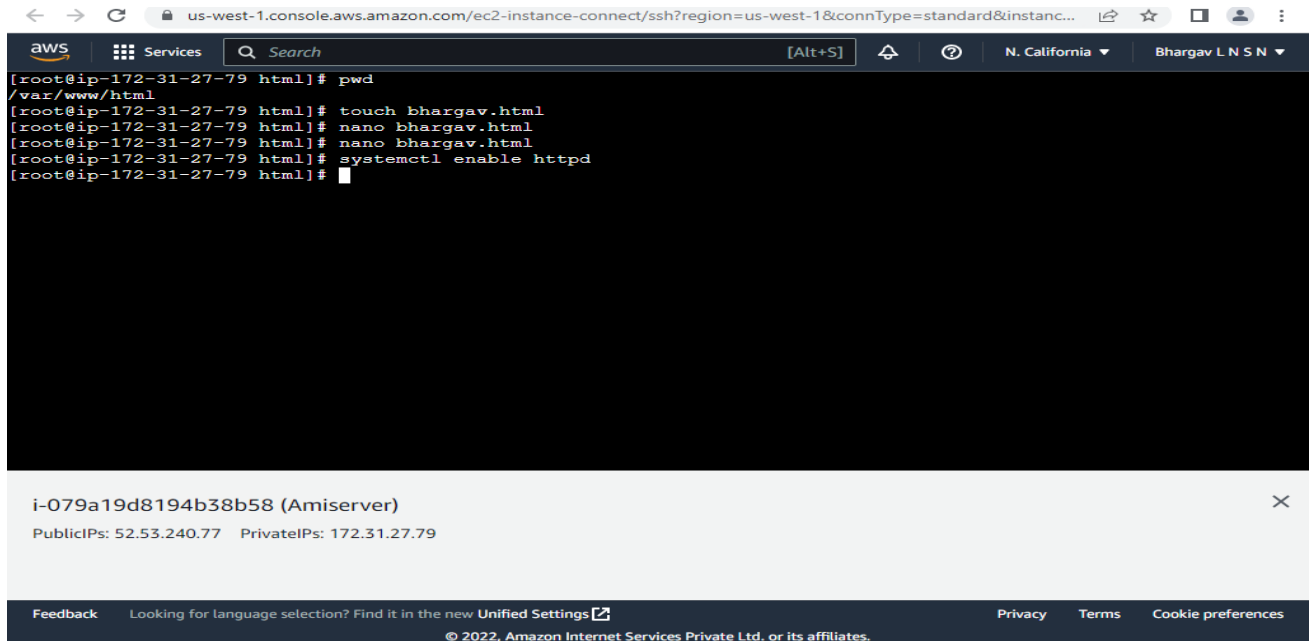


The screenshot shows the AWS Management Console interface for the same EC2 instance. The browser address bar displays the URL: `us-west-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-west-1&connType=standard&instanc...`. The console header is identical to the previous step. The main terminal window shows the `GNU nano 2.9.8` editor interface. The file `bhargav.html` is open, and the following HTML content has been entered: 

```
<html>
<h1>
This is my Engineering Team of Bhargav
</h1>
</html>
```

 The nano editor's status bar at the bottom shows various keyboard shortcuts like `^G Get Help`, `^C Write Out`, `^W Where Is`, etc. Below the terminal, the instance details for `i-079a19d8194b38b58 (Amiserver)` are visible. The footer contains links for Feedback, Privacy, Terms, and Cookie preferences, along with a copyright notice: `© 2022, Amazon Internet Services Private Ltd. or its affiliates.`

## Step 8: Execute the file and restart http



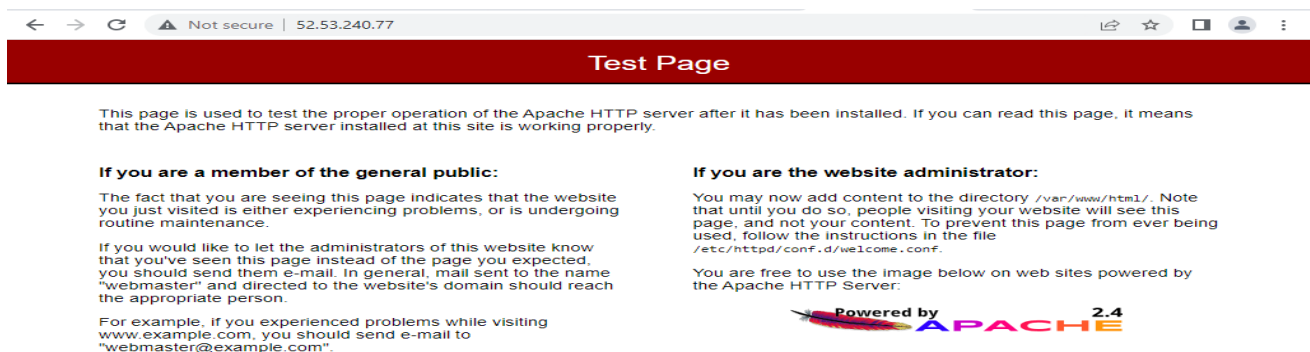
The screenshot shows the AWS Management Console interface. At the top, the breadcrumb navigation indicates the path: us-west-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-west-1&connType=standard&instanc... Below this is a header bar with the AWS logo, 'Services' link, a search bar, and navigation tabs for 'N. California' and 'Bhargav L N S N'. The main content area displays an SSH terminal session with the following commands and output:

```
[root@ip-172-31-27-79 html]# pwd
/var/www/html
[root@ip-172-31-27-79 html]# touch bhargav.html
[root@ip-172-31-27-79 html]# nano bhargav.html
[root@ip-172-31-27-79 html]# nano bhargav.html
[root@ip-172-31-27-79 html]# systemctl enable httpd
[root@ip-172-31-27-79 html]#
```

Below the terminal, a box identifies the instance as 'i-079a19d8194b38b58 (Amiserver)' with Public IPs: 52.53.240.77 and Private IPs: 172.31.27.79. At the bottom, there is a footer with 'Feedback', a language selection prompt, 'Unified Settings', and links for 'Privacy', 'Terms', and 'Cookie preferences'. A copyright notice for 2022 Amazon Internet Services Private Ltd. is also present.

## Step 8: Copy the public Ip and paste to get http web page

## Step 9: Copy the public Ip with /html file to execute final output.



The screenshot shows a web browser window with the address bar displaying 'Not secure | 52.53.240.77'. The page has a red header with the text 'Test Page'. The main content area contains the following text:

This page is used to test the proper operation of the Apache HTTP server after it has been installed. If you can read this page, it means that the Apache HTTP server installed at this site is working properly.

**If you are a member of the general public:**

The fact that you are seeing this page indicates that the website you just visited is either experiencing problems, or is undergoing routine maintenance.

If you would like to let the administrators of this website know that you've seen this page instead of the page you expected, you should send them e-mail. In general, mail sent to the name "webmaster" and directed to the website's domain should reach the appropriate person.

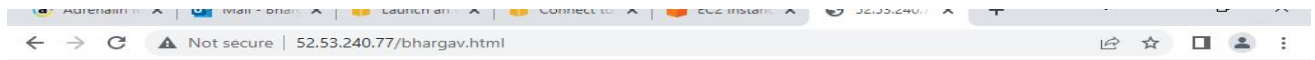
For example, if you experienced problems while visiting www.example.com, you should send e-mail to "webmaster@example.com".

**If you are the website administrator:**

You may now add content to the directory /var/www/html/. Note that until you do so, people visiting your website will see this page, and not your content. To prevent this page from ever being used, follow the instructions in the file /etc/httpd/conf.d/welcome.conf.

You are free to use the image below on web sites powered by the Apache HTTP Server:

Powered by **APACHE** 2.4



**This is my Engineering Team of Bhargav**