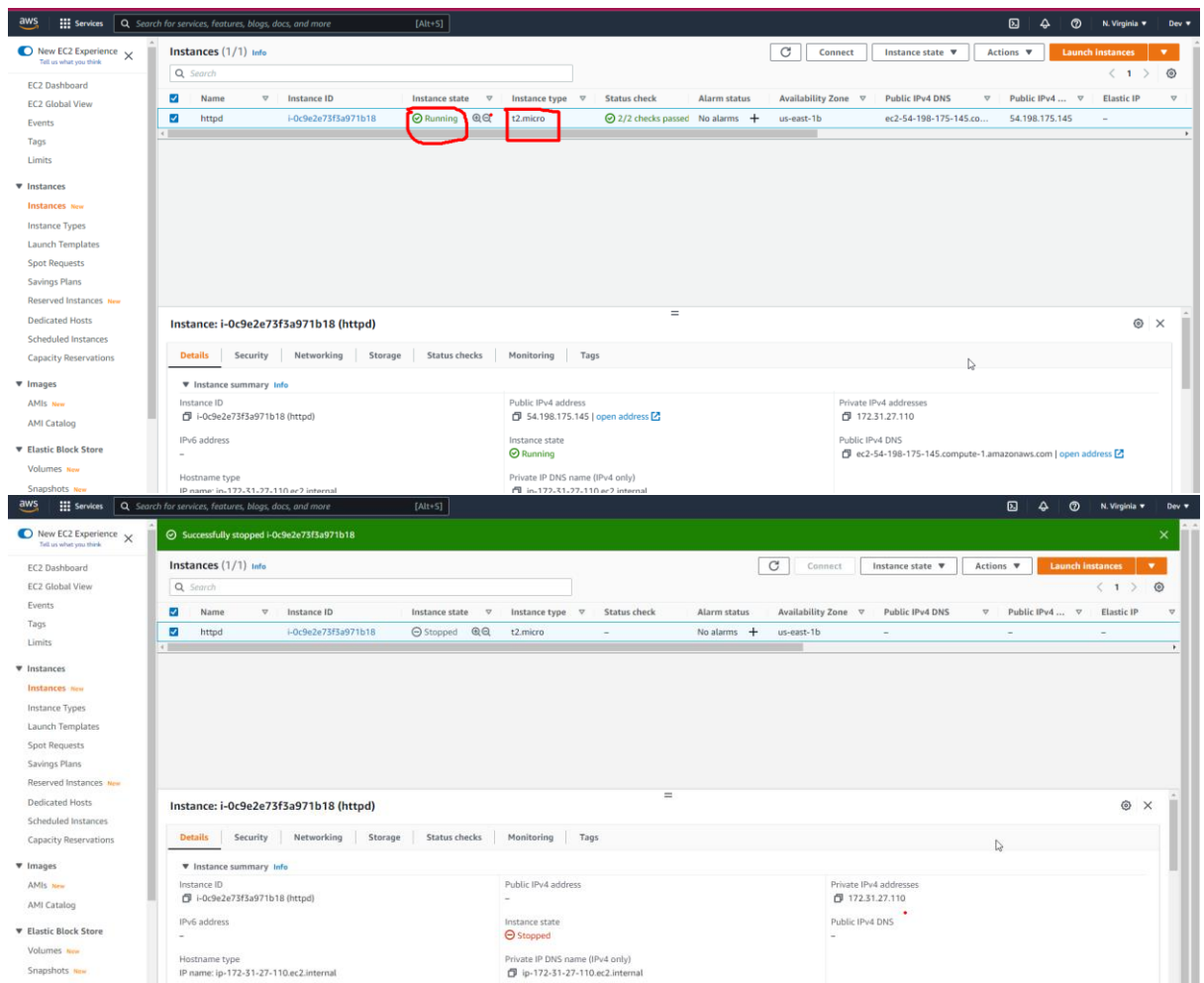
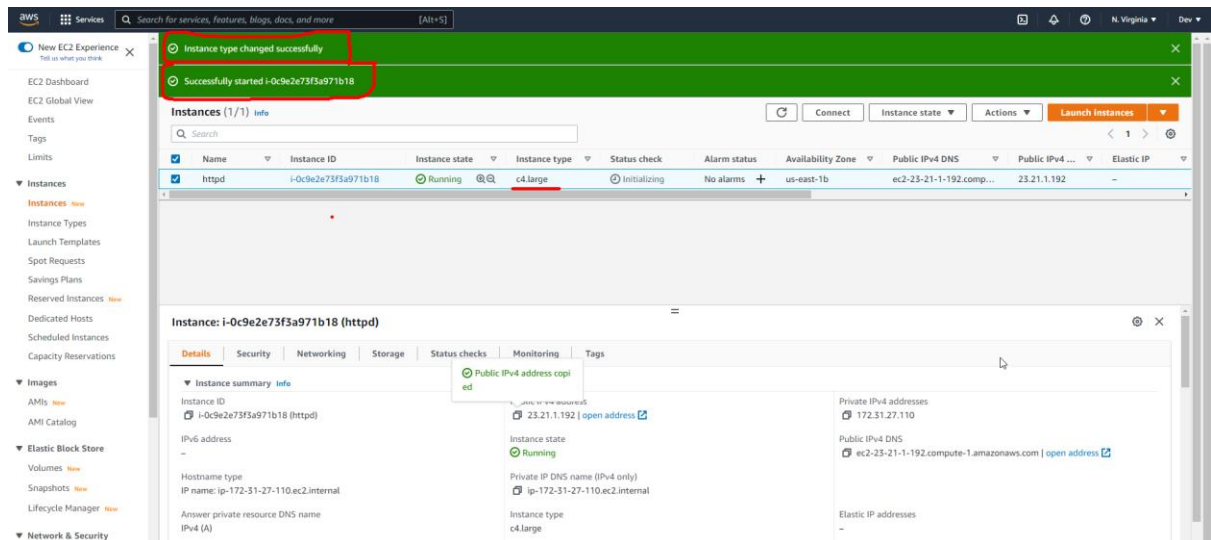


## We can change the instance type after creating EC2 instance:

1. Open AWS console
2. Search EC2
3. Click on instance
4. Click on launch instance
5. Select AMI (linux) -> t2.micro -> add storage -> configure security group -> review and launch -> launch
6. Select the key pair or create new key pair
7. After launch instance, select the instance state dropdown list
8. Choose stop instance



9. Now right click on the instance -> select the instance settings -> choose instance type
10. Then choose the instance type which we want to select and click on apply button
11. Now start the instance and it will be change the instance type



## Attach Elastic IP:

1. Using same instance, we attach elastic IP address
2. Click on the instance and click on connect button
3. The terminal will be open and we have write some command like
  - a. `sudo -s`
  - b. `yum update -y`
  - c. `yum install httpd -y`
  - d. `systemctl enable httpd`
  - e. `systemctl start httpd`
  - f. `systemctl status httpd`

```

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  Capacity Reservations
Images
  AMIs
  AMI Catalog
Elastic Block Store
  Volumes
  Snapshots
  Lifecycle Manager
Network & Security

Instances (1/1) Info
Name Instance ID Instance state Instance type Status check Alarm status Availability Zone Public IPv4 DNS Public IPv4 Elastic IP
httpd i-0c9e2e73f3a971b18 Running c4.large Initializing No alarms us-east-1b ec2-23-21-1-192.compute-1.amazonaws.com 23.21.1.192 -

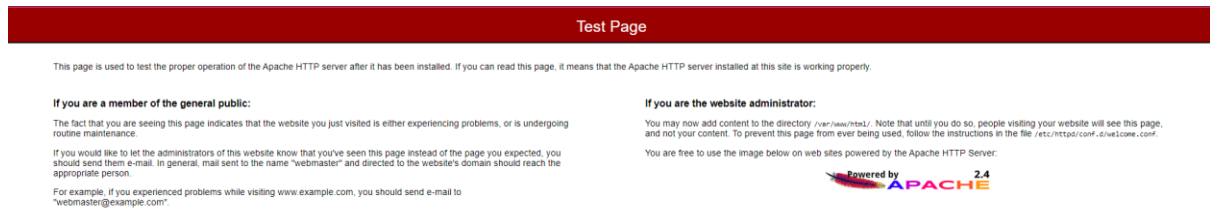
Instance: i-0c9e2e73f3a971b18 (httpd)
Details Security Networking Storage Status checks Monitoring Tags
Instance summary info
Instance ID i-0c9e2e73f3a971b18 (httpd)
IPv6 address -
Hostname type IP name: ip-172-31-27-110.ec2.internal
Answer private resource DNS name IPv4 (A)
Private IPv4 addresses 172.31.27.110
Public IPv4 DNS ec2-23-21-1-192.compute-1.amazonaws.com
Elastic IP addresses -

Public IPv4 address copied
Instance state Running
Private IP DNS name (IPv4 only) ip-172-31-27-110.ec2.internal
Instance type c4.large

```

12. Come back to instance and copy public IP address and paste into the browser

### 13. And it is httpd service is running



14. Now, we stop the instance and again start the instance. Pubic IP will be changed

15. Copy the instance public IP address and paste into the browser. Httpd will be running successfully but IP changed all the time for that we attach Elastic IP

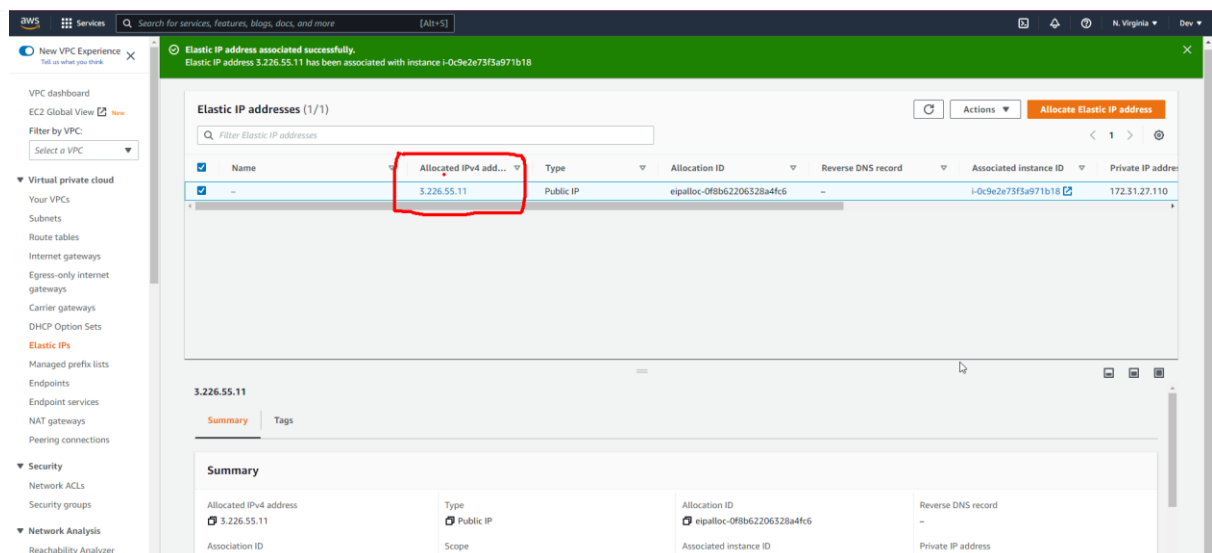
16. Go to Elastic IP addresses, click on allocated Elastic IP address button

17. Click on allocate button

18. Now select the allocate IP address and select the action dropdown list

19. Select associate Elastic IP address and choose the instance which we want to attach

20. Click on associate button



21. Now come back to instance and run the public IP address to the browser

The screenshot displays the AWS Management Console interface for an EC2 instance. The instance is named 'httpd' and is in a 'Running' state. The public IPv4 address, 3.226.55.11, is highlighted with a red circle. Below the instance details, there is a 'Test Page' section. This section contains instructions for general public and website administrators, and a 'Powered by Apache 2.4' logo.

**Instance: i-0c9e2e73f3a971b18 (httpd)**

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elasti
httpd	i-0c9e2e73f3a971b18	Running	t2.micro	2/2 checks passed	No alarms	us-east-1b	ec2-3-226-55-11.comp...	3.226.55.11	3.226

**Instance: i-0c9e2e73f3a971b18 (httpd)**

**Details** | Security | Networking | Storage | Status checks | Monitoring | Tags

**Instance summary info**

Instance ID	i-0c9e2e73f3a971b18 (httpd)
IPv6 address	-
Hostname type	-
IP name	ip-172-31-27-110.ec2.internal
Answer private resource DNS name	IPV4 (A)
Auto-assigned IP address	-
Public IPv4 address	3.226.55.11   <a href="#">open address</a>
Instance state	Running
Private IP DNS name (IPv4 only)	ip-172-31-27-110.ec2.internal
Instance type	t2.micro
VPC ID	vpc-f8a5b8f6:ec2-577c
Private IPv4 addresses	172.31.27.110
Public IPv4 DNS	ec2-3-226-55-11.compute-1.amazonaws.com   <a href="#">open address</a>
Elastic IP addresses	3.226.55.11 [Public IP]
AWS Compute Optimizer finding	Find in the AWS Compute Optimizer for recommendations. <a href="#">Learn more</a>

**Test Page**

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".

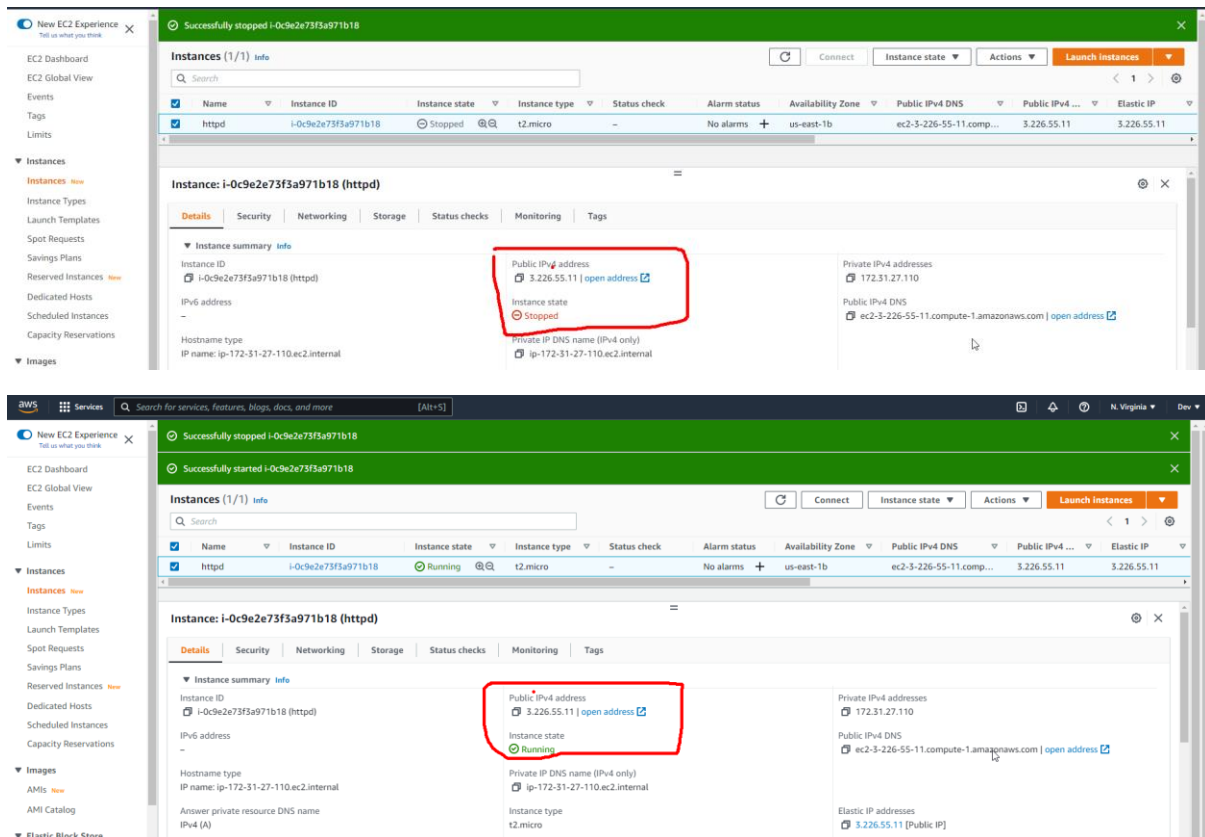
**If you are the website administrator:**

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:

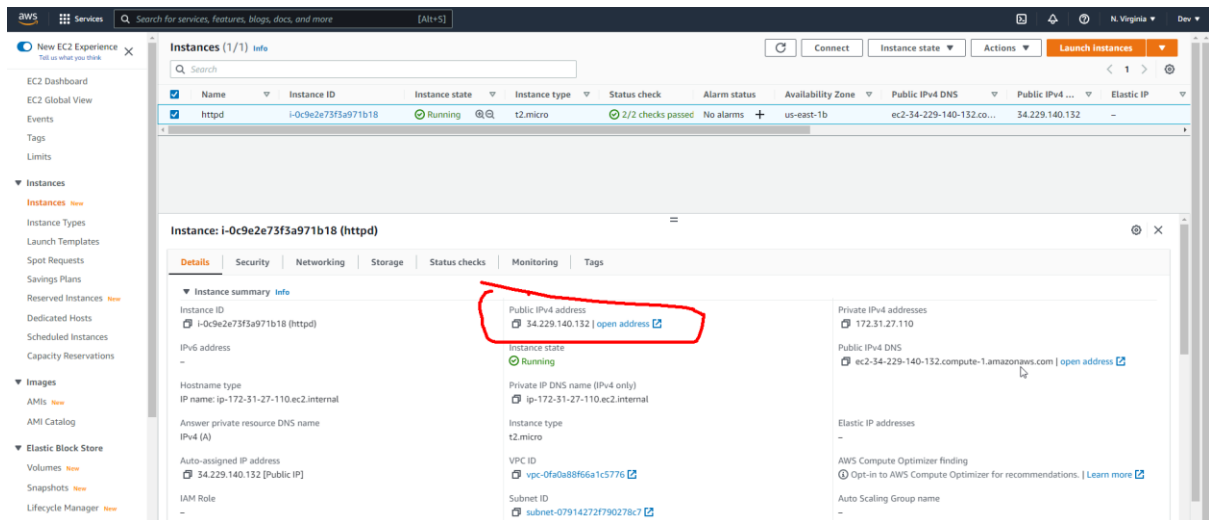
Powered by **APACHE** 2.4

22. If stop the instance and start again same Ip address will be displayed because made static IP address for this instance



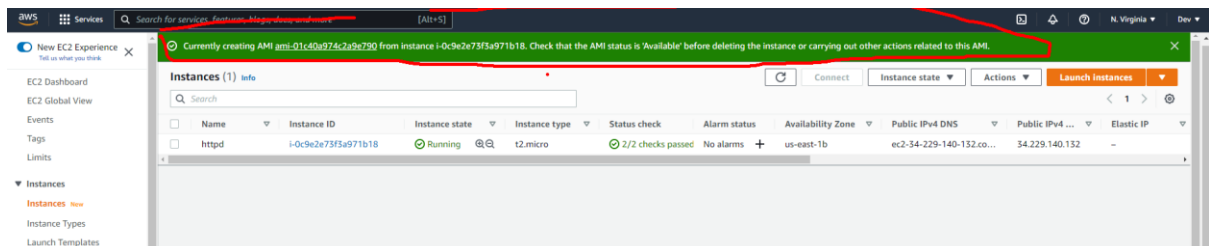
## Without terminate the instance first detach the Elastic IP address to the instance:

1. Go to EIP address and select the IP address
2. Go to action dropdown list and select the disassociate EIP
3. Click on disassociate button
4. Now again select the EIP address and go to action dropdown list
5. Select release EIP
6. Click on release button
7. Now come to EC2 instance we will see the public IP address has changed



## Creating AMI:

1. Select the instance and go to action drop down list
2. Select image and templates -> create image
3. Give the instance name and description
4. Click on create image button



5. Go to AMI, you will see visibility is private. And we need to change the visibility from private to public
6. Right click on the AMI and select Edit AMI permissions.
7. From there we have to change AMI availability from private to public
8. Click on save changes button

aws

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EC2 > AMIs > ami-01c40a974c2a9e790 > Edit AMI permissions

## Edit AMI permissions [Info](#)

By editing the permissions of an AMI, you can share it with the AWS accounts, organizations, or OUs that you specify.

### AMI share settings

AMI ID

ami-01c40a974c2a9e790

Associated snapshot IDs


snap-0487cf31be9bd41b3

☐ Add 'Create volume' permission to associated snapshots when creating account permissions.  
This setting only applies when you share an AMI with specific AWS accounts.

AMI availability

☒ Public  
Share the AMI publicly with all AWS users.

☐ Private - (current setting)  
Share the AMI with specific accounts, organizations, or OUs.

 **Share Amazon Machine Image (AMI) publicly**  
You are about to share AMI ami-01c40a974c2a9e790 publicly. If you continue, the AMI and its contents will be shared with all AWS users in this Region.

Cancel

Save changes


9. Share the Ami id's to all user so that they can use it but within same region.
10. There is another option in private section where we can share the AMI Id's to those user we want. For that we need AWS user account id so that can add multiple user to share the AMI


Shared accounts (0)

Remove selected

Add account ID

Find shared accounts by account ID

< 1 > 

 Shared account ID


This AMI is not shared with any other accounts.


Shared organizations/OUs (0)

Remove selected

Add organization/OU ARN

Find shared organizations and OUs by ARN

< 1 > 

 Shared organization/OU ARNs

This AMI is not shared with any organizations/OUs.

Cancel

Save changes

**How to deregister AMI:**

1. Go to AMI and select the AMI
2. Click action dropdown list and select deregister AMI
3. Go to snapshot and delete the snapshot
4. Now terminate the instance