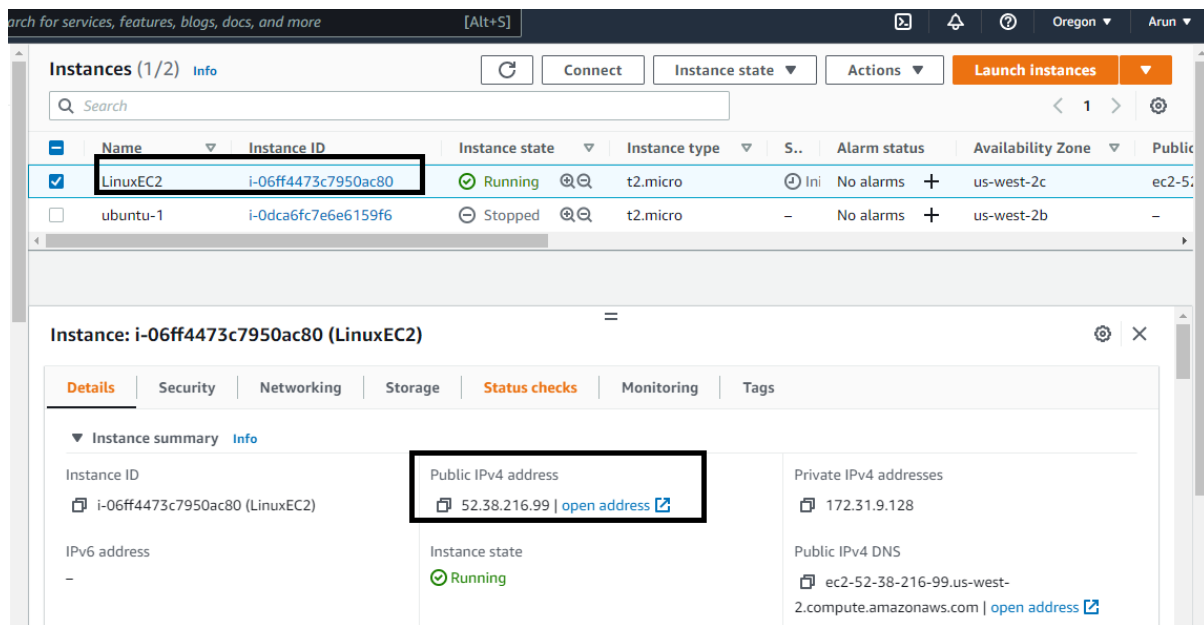


# Creation of AMI

From the **Amazon EC2 Instances** view, you can create Amazon Machine Images (AMIs) from either running or stopped instances.

Step 1: Launch Linux Ec2 Instance.



Step 2: In that instance install http server create 1 html file called test.html.

```
sudo su -
```

```
yum update -y
```

```
yum install -y httpd
```

```
systemctl start httpd
```

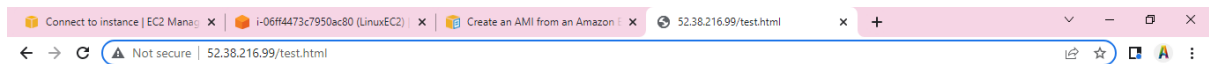
```
systemctl enable httpd
```

```
systemctl status httpd
```

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

```
touch test.html
```

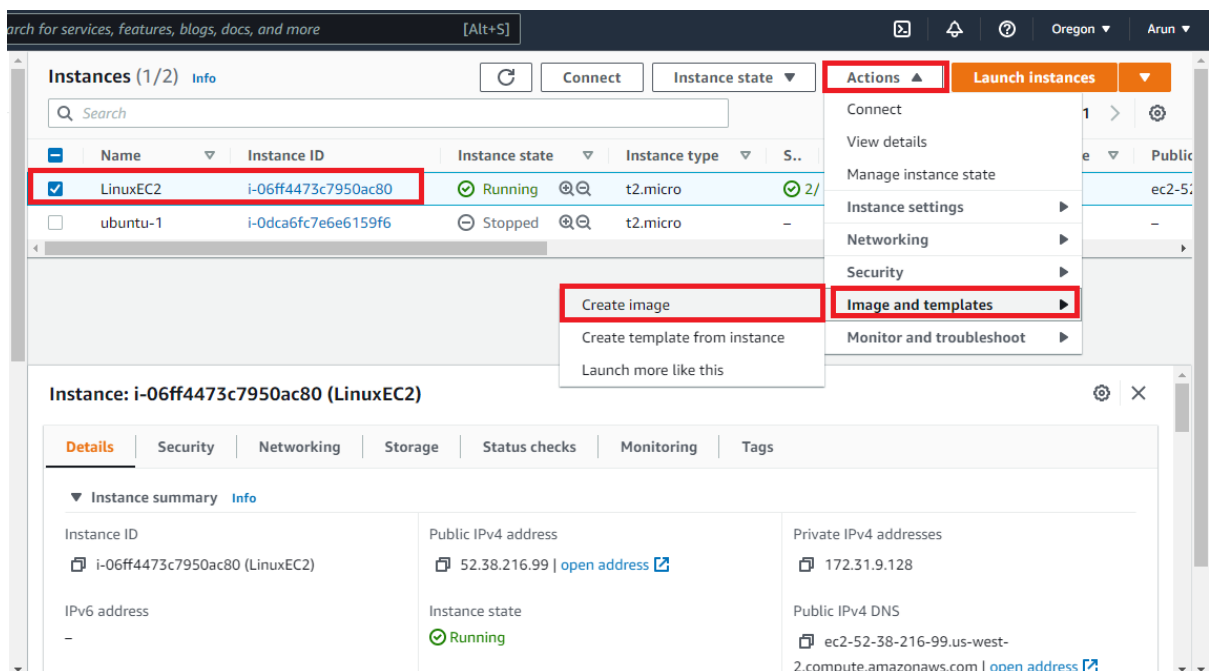
Step 3 : goto publicIP/test.html, In this case <http://52.38.216.99/test.html>



**This Webpage is created in Linux EC2 For creating of AMI**



Step 4 : Now Goto Instances >> click on the instance to take image >> click on Actions >> click on Images and templates >> click on create image.



## Step 5 : Give suitable name for Image and click Create Image

**Create image** [Info](#)

An image (also referred to as an AMI) defines the programs and settings that are applied when you launch an EC2 instance. You can create an image from the configuration of an existing instance.

Instance ID  
i-06ff4473c7950ac80 (LinuxEC2)

Image name  
LINUXwithHTTP  
Maximum 127 characters. Can't be modified after creation.

Image description - optional  
Image description  
Maximum 255 characters

No reboot  
☐ Enable

Instance volumes

Volume type	Device	Snapshot	Size	Volume type	IOPS	Throughput	Delete on termination	Encrypted
EBS	/dev/x...	Create new snapshot fr...	8	EBS General Purpose SS...	100		<input checked="" type="checkbox"/> Enable	<input type="checkbox"/> Enable

[Add volume](#)

## Step 6 : Now Goto AMI tab, check New AMI created

**Amazon Machine Images (AMIs) (1/1)** [Info](#)

Owned by me

AMI ID = ami-0e0d6bf52d934e213 [Clear filters](#)

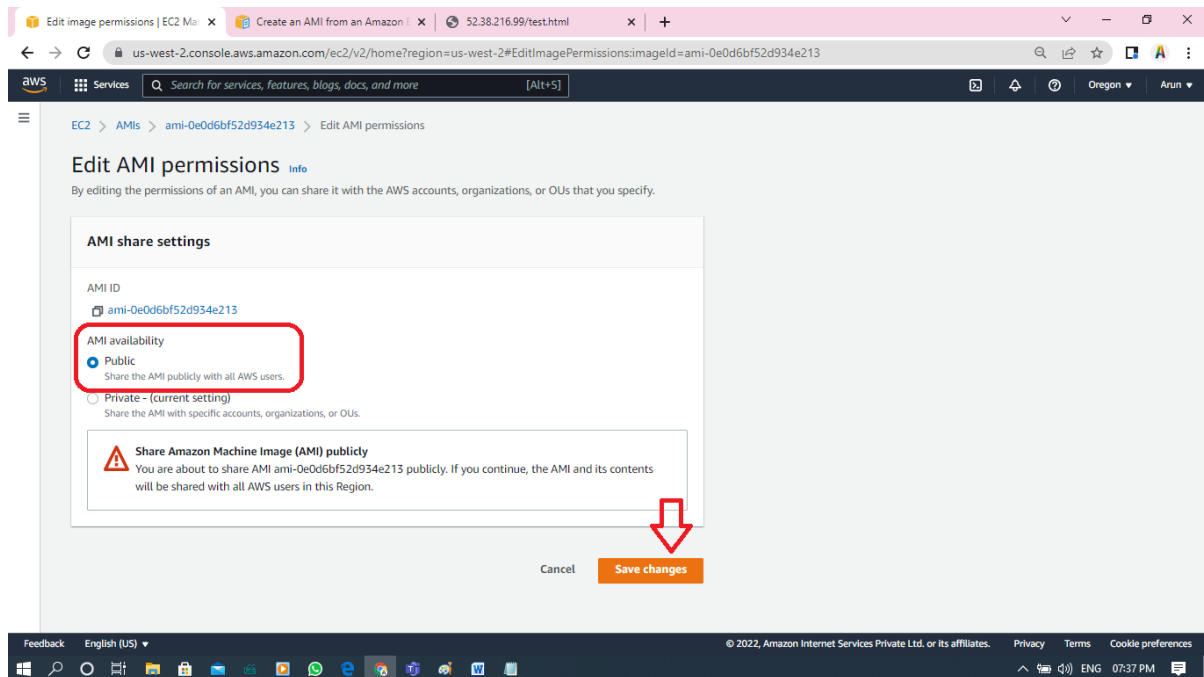
Name	AMI ID	AMI name	Source	Owner	Visibility	Status
-	ami-0e0d6bf52d934e213	LINUXwithHTTP	986041421187/LINUXwithHTTP	986041421187	Private	Pending

**AMI ID: ami-0e0d6bf52d934e213**

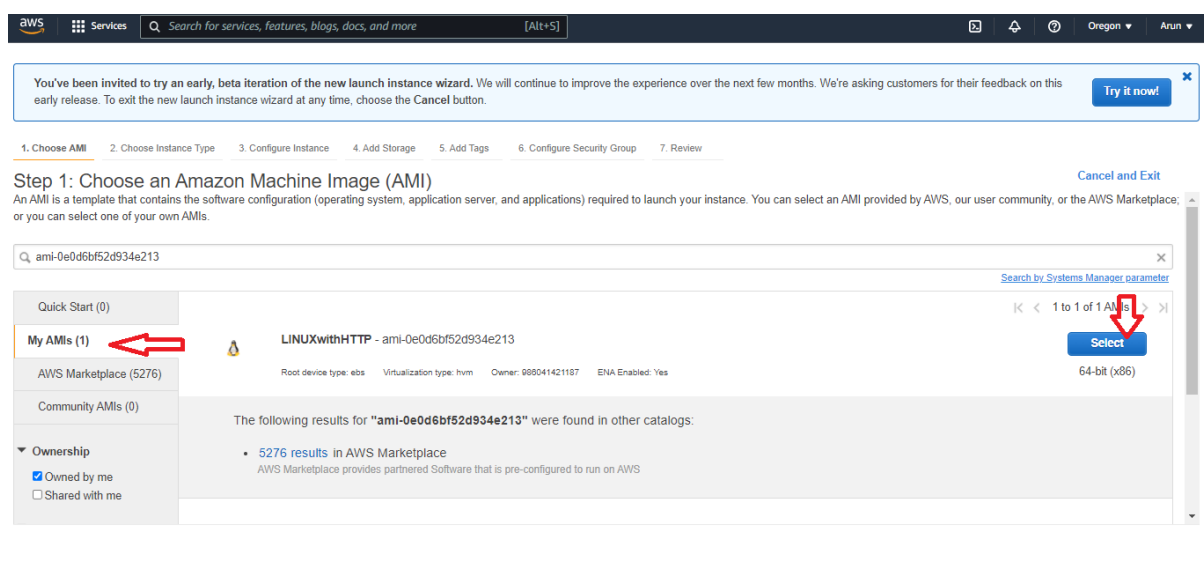
Details	Permissions	Storage	Tags
AMI ID ami-0e0d6bf52d934e213	Image type machine	Platform details Linux/UNIX	Root device type EBS
AMI name LINUXwithHTTP	Owner account ID 986041421187	Architecture x86_64	Usage operation RunInstances
Root device name /dev/xvda	Status Pending	Source 986041421187/LINUXwithHTTP	Virtualization type hvm
Boot mode -	State reason -	Creation date Thu Mar 03 2022 19:34:39 GMT+0530 (India Standard Time)	Kernel ID -
Block device	Permissions	Product code	RAM disk ID

**Step 7 : Goto Permissions tab >> click Edit AMI permissions >> Click Public >> Save changes**

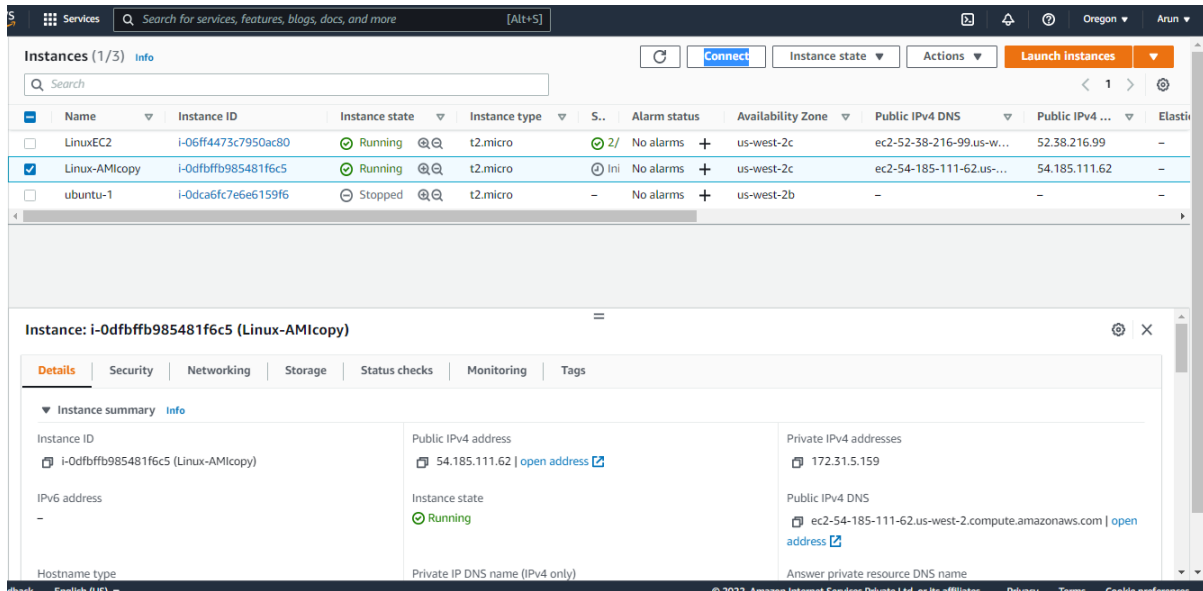
**Copy the AMI ID - ami-0e0d6bf52d934e213**



**Step 8 : Now create New Linux instance using this AMI ID .**



## Step 9: Launch the Instance



The screenshot displays the AWS Management Console's 'Instances' page. A table lists three instances: 'LinuxEC2' (Running), 'Linux-AMICopy' (Running, selected), and 'ubuntu-1' (Stopped). The details for the selected 'Linux-AMICopy' instance (ID: i-0dfbffb985481f6c5) are shown below, indicating it is in a 'Running' state with a public IPv4 address of 54.185.111.62.

Name	Instance ID	Instance state	Instance type	S...	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elasti
LinuxEC2	i-06ff4473c7950ac80	Running	t2.micro	2/	No alarms	us-west-2c	ec2-52-38-216-99.us-...	52.38.216.99	-
Linux-AMICopy	i-0dfbffb985481f6c5	Running	t2.micro	Ini	No alarms	us-west-2c	ec2-54-185-111-62.us-...	54.185.111.62	-
ubuntu-1	i-0dca6fc7e6e6159f6	Stopped	t2.micro	-	No alarms	us-west-2b	-	-	-

**Instance: i-0dfbffb985481f6c5 (Linux-AMICopy)**

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

**Instance summary** info

Instance ID i-0dfbffb985481f6c5 (Linux-AMICopy)	Public IPv4 address 54.185.111.62   <a href="#">open address</a>	Private IPv4 addresses 172.31.5.159
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-54-185-111-62.us-west-2.compute.amazonaws.com   <a href="#">open address</a>
Hostname type	Private IP DNS name (IPv4 only)	Answer private resource DNS name

**Step 10 : goto PublicIP of Newly created Instance, in this case <https://54.185.111.62/test.html>**



**This Webpage is created in Linux EC2 For creating of AMI**

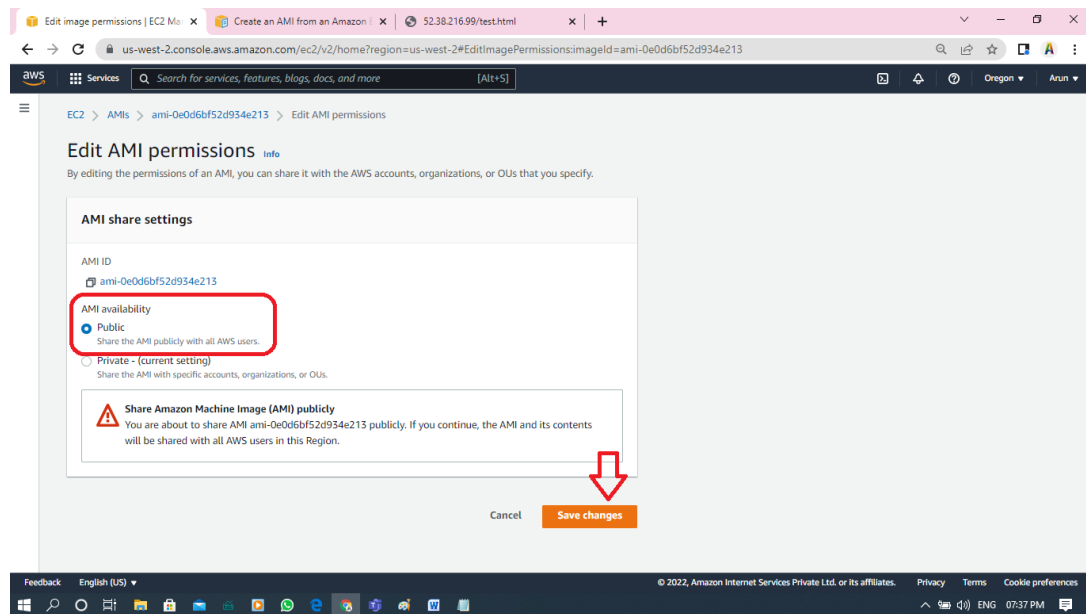


**Successfully created.**

## Now Some Important points,

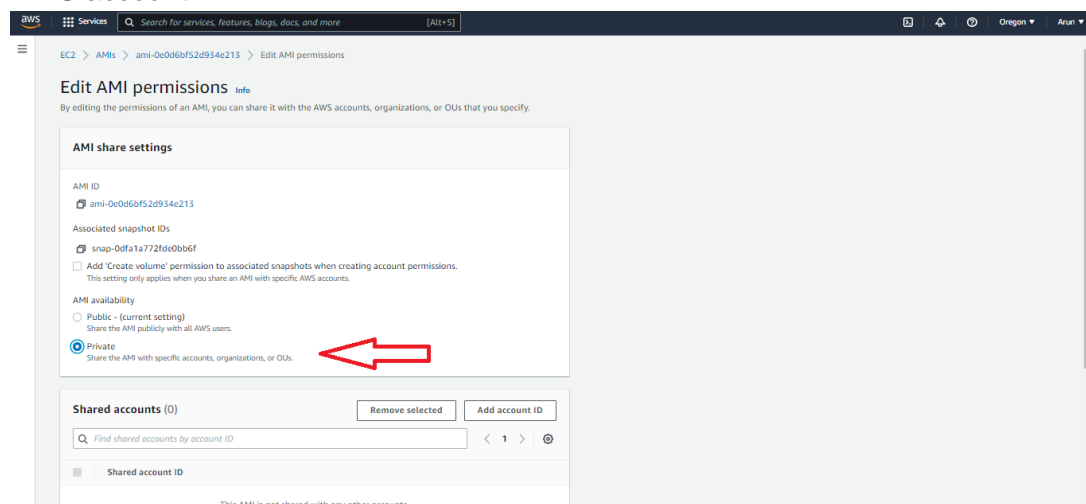
### 1. Public AMI

After you make an AMI public, it is available in **Community AMIs** when you launch an instance in the same Region using the console. Note that it can take a short while for an AMI to appear in **Community AMIs** after you make it public. It can also take a short while for an AMI to be removed from **Community AMIs** after you make it private again.



### 2. Private AMI

You can use private image builds to let buyers purchase your installable software products through AWS Marketplace, and then install those products on a gold image or Amazon Machine Image (AMI) they choose from the images available to their AWS account.



**In Private AMI there is two options,**

- 1. You may give permissions to selected Account IDs**
- 2. Deny Permissions to selected Account IDs**

**Also, There is another point to remember is If you do any changes in parent image it won't changes in child images irrespective of public and Private.**