

## AMI

- AMI is called as Amazon Machine Image
- It is a template that is already configured with some Operating Systems and softwares.
- From one AMI we can launch Multiple EC2 Instances.
- We can create some custom AMI's Depending on our Requirements.
- AMI also works as a backup of EC2, if we create an image from EC2 instance it will take the backup of EC2 and its associated EBS volumes.

create a EC2 instance by UBUNTU AMI and all are default values.

```
sudo hostnamectl set-hostname raham
```

```
sudo -i
```

```
apt-get update -y
```

check git, java, maven, apache2 versions if not installed install it

```
apt install git maven apache2 -y && apt install openjdk-8-jre-headless
```

copy public ip and give 80 port you can see a new page

now edit that page with basic code with H1 tag and refresh

## CREATE AN IMAGE

- Select the instance and go to ACTIONS -- > IMAGE & TEMPLATES -- > CREATE IMAGE
- Go to AMI'S and you can see your image there once it is up then you can launch EC2.
- Select the image and click on Action you can see a copy.
- If you want to copy the image to another location you can do that.
- Select the image and click on Launch instance from Image and give default values.
- Now select the Public IP and paste on the browser you can see the same HTML output.
- If you want to delete the AMI on Actions select the Deregister AMI.

## AWS MARKET PLACE:

- As an AMI developer, you can create an AMI and then sell the same on the AWS Marketplace that is an online store for paid AMIs.
- For paid AMIs, the AWS user is charged for the instance based on the rates set by the AMI owner.
- You can find a paid AMI either from the Amazon EC2 console or from the AWS Marketplace.

## COMMUNITY AMIs:

- Whenever you create an AMI, you can add permissions to it to make it public. In that case, it goes to "community AMIs".
- These are AMIs that comes from AWS users, and are not verified by AWS