AWS

AWS: Amazon Web Services

It provides on demand cloud computing platforms - the platforms you get in AWS is charged in a metered based pay.

In AWS you can get the platforms or machines either for Free or Pay as you go

* You can get Linux/Unix machines
* You can get Storages like Database, S3, DyanmmoDB
* You can get servers

S3: Simple Storage Service - You can upload any files and give access to anybody

First you need to create Bucket, which is the container for your files

Then you can upload any files and provide the public URL to the users

EC2: Elastic Cloud Computing - It enables you to choose different OS and Launch them in AWS some are free and some are not

Steps:

1. You need to select EC2
2. You need to select the OS (Free tier)
3. You need to download a key-pairs that helps to connect to the machine you have launched

User1 -> Launched a Linux Machine

Key-Pairs : it is a file that will have the machine information that a user wants to connect

How to install few softwares

1. git

>> sudo yum install git -y

1. Docker

sudo yum update -y

sudo amazon-linux-extras install docker

sudo service docker start

Pulling some docker iamges

sudo docker pull hello-world

sudo docker pull jenkins/Jenkins

Note: By default Ec2 machines doesn’t give access to the public for any port hence you need to open the port in she security group

How to run Jenkins

sudo docker run -p 8080:8080 jenkins/Jenkins

From your local machine you need to type IP address & port of EC2 machine to access Jenkins.

Goto security group and add inbound rules for

http & Custom TCP