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1. Region : world divided into regions
2. Az---one region divideded into multiple az’S
3. Ec2-elastic cloud computing

Ec2 objectic(purpose) server management

Ec2-means

Instance

Instace type(ram/cpu)

Storage(volume)

Snapshot:server backup(volume backup)

Security group—it is act as a firewall to ec2-machine

Keypair:Login into the ec2-instance we are using

Ec2 having : public ip,private ip,elastic ip

Instance state: start,stop,terminate,reboor(restart)

1. Which instance type your using:

Dev

Test

Live

Each and evry env using diff configurations machine

In dev: low configuration machine

In test:low cong machine

In live : high configuration machine

In real-time no one use t2.micro instance type

T2.large machine using dev,test environment

C3.extra lager configuration for live environment

1. I want to choose instance type and I want to install os we can go for ami
2. Someone ask create ec2-instance

We can ask question

1. Instance type
2. Which region/az
3. Which ami
4. Sg
5. Keypair
6. Volume

These 6 things are manadatory

When ever you lunch instance sg and key pair,ami are must be present

1. In aws point of

Instance is diff

Sg is different

Keypair is diff

Ami is diff

1. Ami having 3 types
2. Public ami
3. Private ami
4. Own ami(custom ami)

Ac1

Public

Private only for ac1 not visible to ac2,ac3

Ac1 give acess permission to ac2

Ac2

public

Ac3

Public

1. Ca-central-1=====central -region code

Ca-central-1a-az1

Ca-central-1b==az2

Ca-central-1c—az3

1. Volums

In-use : means that volume is attached to one machine

How to identify which volume belongs to which instance: instance id

I want to check one instance having how many volums

1. Copy instance id and check.
2. Go to volume section and magnifier select instace id and paste

I want to resize the volume

1. Select volume and go to actions and modifying volume 8 to 10

We can incress the volume not possible to decress

These all are infrasture management

1. Once instance is terminate volume also deleted permently
2. If instance terminated attached volume is not deleted still it is avalible

I want to attached a new volume to instance.

1. Instance start stage or stoped stage possible.
2. First reserved the volume.
3. Next attached to the instance.
4. But condition volume and instance is must be a same availability zone.
5. I taken t2.micro configuration but that not enough for me

I want to change instance type

We want to change instance type not possible in running stage

1. Instance is must be a stoped stage
2. Go to actions instance setting-change instace type.
3. Go any wher we have 2 ips

I want to purchage public ip formy laptop I want to buy from network provider

But in aws public and private ips giving free because public i paws bought and maintaine a public ip pool and give public ip from pool

When ever we can launch ec2 ec2 pick up from pool randomly

When ever stop the instance public ip release and go back to pool .

When stop and start ec2 public ip will change

1. How to use didcated public ip for ec2(how to assign static ip to ec2)
2. Elastic ip =staic ip=dedicated ip all are same

Elastic ip and public ip both are public ip

Eip is reserved ip address for instance it not dedicated to another machine

We want to dedicated to the public ip for instance that dedicated ip is called elastic ip.

Public ip dedicate to instance using of eip. If instance is stop and start that public ip not change till de-associateeip to instance

We bought eip for public ip is called dedicated ip

When ever resle the eip then only it released when stop instance the eip gone and new ip will come.

1. Public-
2. Private ---compltly free
3. Tasks
4. Select ec2 service
5. Switch loand region
6. Click on instance
7. Create key-pair give your name
8. Create sg give your name
9. Create Ubuntu ec2 instance
10. A) t2.micro b) attaché your sg c) attach your key pair
11. In real-time we can use only one account only owner create users and given to crediants to all aws admins only
12. For identification purpose we are using tages
13. Terminate your instance using of tag,

Delete your key pair as per tag

Delete sg as per tag