22nd sep

1. Linux
2. Aws admin services
3. Devops
4. Phython/shell
5. Aws is cloud providers –IAAS PRIVIDERS

IAAS MEANS

1. SERVERS
2. NETWORK
3. STORAGE

PAAS-PLATFORM AS A SERVICS EX: RDS

SERVER+NETWORK+STORAGE+OS+WEBSERVER PROVIDING BY CLOUD ONLY

SAAS-SOFTWARE AS A SERVICS

SERVER+NETWORK+STORAGE+OS+WEBSERVER+APPLICATION(SALEAFORCR) PROVIDING BY THE CLOUD ONLY

1. IT POINT OF

INFRSTURE MEANS

SERVER,STORAGE, NETWORKING

1. ENTIRE WORLD THERE ARE DIVIDING INTO REGIONS
2. REGIONS ARE DIVIED INTO AVALABILITY ZONES (AZ)

REGION CONTAINS MULTIPLE AVALABILIOTY ZONES >= 2

DATACENTER WE CALL AVALABILITY ZONE

DATACENTER MEANS: PHYSICALLY AVAILABLE SERVERS AND NETWORK AND STORAGE RELATED THING

AWS SAYS AVALABILITY ZONES ARE PLACED IN ISOLATED LOCATIONS

ONE AZ IS HYD,SECONS AZ IS MUBAI,3 RD AZ IS KOLKATHA .

1. SERVICESS:

RDS : PAAS : ALLREAD AVALIBLE IN CLOUD

HOW IPADDRESS MAPPED TO THE DOMAIN NAME

ROUTE 53:

NAME WILL CONVERT INTO IPADRESS IT READY TO AVAILABLE IN CLOUD

EC2,EBS,ELB,AS,IAM,RDS,SNS,ROUTE53,SECREATEMANAGER,KMS,CLOUDFORMATION,EKS,s3

CLOUDWATCH,CLOUDTRAIL,VPC,TRANSITGATEWAY,SQS,SECURITYGROUPS,S3,LAMDA,API GATWAYS,CLOUD FRONT,ECS,SES,CODE DEPLOY,COST & AUDIT ETC…

EC2:server management

WE LEARN ST EC2 STANDS FOR ELASTIC COMPUTE CLOUD

WHEN EVER WE WILL LEARN ANY SERVICE KEEP IN MIND 3 THINGS

1. THAT SERVICE IS REGION SPECIFIC OR
2. GLOBAL

EC2-REGION SPECIFIC

IAM-GLOBAL

1. WHY I AM USING THAT SERVICE WHAT IS FUNCTNALITY OF THAT SERVICE

EC2-MEANS VIRTUAL SERVERS IN CLOUD

EC2-MEANS LAMEON LANGUGE IS SERVER MANAGEMENT

EC2- WE CAN PRONUCE INSTANCE/SERVER/VM/NODE/MACHINE ALL ARS SAME PRONOUNCEATION .

WHAT IS MEAN BY SERVERMANAGEMENT:

1. Instance type(server configuration)

Ram+cpu+storage(ebs volume )

1. Ami ---ami contains os . all are avalible in cloud
2. Securitygroups-you can define which ip is my ip is allow to acess
3. You want to login into os you reqired username,password
4. By default windows user admin using of admin user we can login into windows os
5. Bu default linux root user .using of root user we can login into thas os.
6. If aws store server uname,password in some ware some taken and misuse
7. Keypair download that key only using we can login into that machine
8. Region

Az(datacenter)

Ec2

Instance

Instancetype----configuration

Ami(os)---bootable snapshot

Volume(harddisk,storage)

Securitygroups – it act as a firewall to ec2-instance

Keypair—public key , private we call as keypairs.

Snapshot: serverbackup—taking snapshot from volume we can send any region grom snapshot create volume that volume attached to aditonal volume to ec2.

Server upgrade/downgrade(changing instance type) : changing the server configuration

1. Ipaddress are two types
2. Public ip
3. Private ip
4. Aws providing elastic ip also(reserverd ip): when stop the server it is not gone.that eip allocating to public ip

Eip and public ip both are same.

1. In real-time someone asking create a server you need to ask a question
2. Which configuration machine you want it
3. Which os is you need to install it
4. What is the storage you required
5. Who may give a acess
6. Os base is linux and linux os we can call kernel os.

Redhat taken linux or kernel os done some modification relese redhat linux

Amazon taken base linux os done some modifications release amazon linux

Ubntu linux

Centos linux

We know base linux commands we are maintain all linux flavors.

I want to check that machine os look for field ami.

1. Remote machine ---windows(os)---------------------local machine—windows(os )

No need to install other softwares we can login using remote desktop

Open MSTSP(remotedesktop)

Take public ip and paste remote desktop

RDP CLIENT USING

And give user namwe and password

1. Remote machine ---WINDOWS (os)---------------------local machine—linux (os )

We can install putty/gitbash