TASKS:

1. Create sg1,allow below inbound rules
2. 22 anywhere
3. 80 23.90.90.
4. Create key-pair
5. Launch redhat linux ec2-instance , attach step1,sg,and step2 keypair

Note: use t2.micro

1. Create elastic ip attaché to ec2-instance.
2. Stop the instance,change instance type to t2.small
3. Start the instance
4. Remove existing sg & attaché default sg
5. Create 2 gb volume attaché ec2 –instance.
6. Terminate ec2-instance.
7. Relese eip.

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30-sept-2021

Tasks:

single region

1. create keypair
2. create sg for ec2,allow ib 80,22-anywhere,all ob req are deny
3. create ec2-instance1 in ap-south-1a,attach step1 keypair,step2 security group
4. create ec2-instance2 in ap-south-1b,attach step1 keypair,step2 security group
5. create sg group for elb allow ib 80 and ob alltrafic.
6. Create elb and select 1a,1b az and attach sg group of step5
7. Attach ec1,ec2. To the elb
8. Copy dns name copy the browser.
9. Delete elb
10. Delete ec2-1 instance.
11. Create ce2-2 instance ami.
12. Give ec2-2 ami –permision to to ac number”950829519464”
13. Not down ami snapshot id.
14. =======================================================================

Tasks:

1. Create sg for ec2 and elb
2. Sg group for ec2 allow 80,90 ib rule.ob all
3. Sg for elb ib open for 80,90 ,ob all
4. Create a calcic elb
5. Elb listing ports

80----🡪8080

90---🡪9090

1. Make sure elb sg is allowing 80,90 ib rule
2. Enable stikiness-🡪 200 sec
3. Create 2 ubuntu ec2 instancessg is allowing 8080,9090

==================================================================================

Oct-02-2021

TASKS:

NAT : MEANS PRIVATE SUBNET MACHINES ARE COMMINATE WITH

OUTSIDE

outside network wants to comnicate with private subnet instancess

it will stop.

nat also inside aws ec2 only so it having public ip

NAT RULES:

1) CREATED IN PUBLIC SUBNET

2) ATTACHED TO PRIVATE SUBNET

VPC---192.168.0.0/24----MUMBAI

create igw and attache to vpc now you have internet

when vpc created

by default

1) created sg(yes)

2) routetable(yes)

3)nacl(yes)

SN1(PUBLIC)-----128---1A

1)CIDR=192.168.0.0/25

192.168.0.0

192.168.0.127

2) creatr new routtable RT1----LOCAL

3) add igw to rt

rt1---local+igw

4) map(associate) rt to sn1

5) create nat in sn1

6) in every subnet aws taking 1st 4 and last one . total 5

7) create nat in sn1 that taken private ip by aws.

128-5=123

but it showing 122

it allocate one ip automatically to nat(internally ec2)

that way it showing 122 only.

8) you want to luanch ec2 then that ec2 automatically assign public ip

you want to do one task

in subnet action---autoasign---enable then only auto assign public ip

SN2(PRIVATE+NAT)-----64--1B

CIDR=192.168.0.128/26

192.168.0.128

192.168.0.191

2) creatr new routtable RT2----LOCAL

3) add nat to rt2

rt1---local+nat

4) map(associate) rt2 to sn2

RT2---LOCAL+

natgatway

5) in every subnet aws taking 1st 4 and last one . total 5

SN3(PRIVATE)-----64----1C

1)CIDR=192.168.0.192/26

192.168.0.192

192.168.0.255

2) creatr new routtable RT3----LOCAL

rt3---local

3) map(associate) rt3 to sn3

4) in every subnet aws taking 1st 4 and last one . total 5

5) we are not assign pub ip to private subnet instances.

=====================================================

route table contains

public route like

1) dest cidr target

10.0.0.0/24 local

0.0.0.0/0 igw(it is not use private it will always use public ip)

tasks:

vpc1:

sub1(public)

i1 luanch

i2 luanch

sub2(private+nat)--i3

laptop---->i1(p)=using public ip

laptop-----i3(np)=using public ip also

but here some people are saying it possible to connect

some people are saying not posible

we want to connect with private subnat instancess do 2 tasks

1) first connect to public subnet instancess

2) from public subnet instance connect to private subnet instancess

3) public instance wants .pem file so your laptop having file copy paste it

4) and change the permisions on that file chmod 700 sep30.pem

5) done

ping ---allicmp4

with in vpc commnicate any machine

i1----------i3(p)==using private ip

i3---------->i2(p)=using private ip

i1---i4(p)--using pubip

i4---googl.com(np)

laptop---i4(np)

Delete additional volume and keypair

Oct-04 -2021

Tasks

1)singpoor region

Create vpc

Cidr:10.0.0.0/24

Create 3 subnets

Subnet1(public) -----1a

Cidr:10.0.0.0/25

1 st ip:10.0.0.0

Last ip: 10.0.0.127

Subnet2(public)------1b

Cidr:10.0.0.128/26

1 st ip:10.0.0.128

Last ip: 10.0.0.191

Cidr:10.0.0.192/26(private)-----1c

1 st ip:10.0.0.192

Last ip: 10.0.0.255

2) create classic lb in sn1,sn2

Elb port ---80

Application port-----8080

3) create ec2-instance in sn1,sn2

4) attach ec2-instnce in elb.

Devops –why devops tools Jenkins,ansible,docker,k8s,terraform—cm

S1:50 servers ---🡪flikat applivation,security update ,java software.

Master(ansible)-----------------50 nodes------s1

Docker -------docker con------------

Docker implntes microservicess

Micro-ser --s2

Privates---file

Jav,akaja.(file)

(project)Application

Devlopers

Flipkart:

1. Login
2. Autication
3. Sales
4. Payment
5. Staus
6. Report
7. Customer support

Microserviceess:

Onser---🡪docker--🡪1----------2---------------3------------4------------5--------6---------

Sales

1. Payment

Dev env

Application devlope

Github(source code)/scm-🡪 mail -🡪 app code complted

Build & releseprocess(ci/cd) team(2)--🡪from github it syntax error -----🡪 .war---🡪jenkins

Testing team souce ---.war file you cand testing.

Testing-----------------🡪 servers---.war,.jar

Sat--🡪testing

Uat--🡪

Level3 Leve4 testing

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-------------------------------------------------------------------------------------------------testing complted

Prod env(live): users are acess from prod env-----------------.war-------------user accfepted.