**Automating of Two tier Architecture**

1. Login in to Build Machine by hitting browser

2. Clone your code repository

3. Install Ansible

#!/bin/bash

sudo apt-get install software-properties-common

sudo apt-add-repository -y ppa:ansible/ansible

sudo apt-get update

sudo apt-get -y install ansible

pip install boto3 --user --upgrade

launching vpc:

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command: ansible-playbook ansibleforvpcwithpubicandprivatesubnets.yaml -e "accesskey=AKIAISKXPJ7DHGGXG4EA secretkey=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 stackname=vpcstack nameofregion=us-east-1 templatepath=templateforvpcwithpublicandprivatesubnets.yaml networkname=testvpc netcidr=10.54.0.0/16 firstpublicsubnetname=pavan-pulic-sn1 secondpublicsubnetname=pavan-public-sn2 firstprivatesubnetname=private-subnet-sn1 secondprivatesubnetname=pavan-subnet-sn2 firstpublicsubnetavailabilityzone=us-east-1a secondpublicsubnetavailabilityzone=us-east-1b firstprivatesubnetavailabilityzone=us-east-1c secondprivatesubnetavailabilityzone=us-east-1d firstpublicsubnetcidr=10.54.1.0/24 secondpublicsubnetcidr=10.54.2.0/24 firstprivatesubnetcidr=10.54.3.0/24 secondprivatesubnetcidr=10.54.4.0/24 routetablename=public-router igwname=public-igw" -v

Launching instances:

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Command:

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ansible-playbook ansibleforlaunchinginstances.yaml -e "accesskey=AKIAISKXPJ7DHGGXG4EA secretkey=FX1abQ1Dc2RNsjTD4LRWOGn

d5EZXYVScXtKqZUyh nameofregion=us-east-1 templatepath=templateforlaunchinginstances.yaml keyname=pavankumar-kp instancetype=t2.micro imageid=a

mi-eebbaaf8 stacknames='[ 'firstpublicinstancestack', 'secondpublicinstancestack', 'firstprivateinstancestack', 'secondprivateinstancestack' ]

' instancenames='[ 'firstpublicinstance', 'secondpublicinstance', 'firstprivateinstance', 'secondprivateinstances' ]' subnetids='[ 'subnet-291

fdc4d', 'subnet-7c367a50', 'subnet-1375755b', 'subnet-615d1a3b' ]' sgnames='[ 'firstpubicsg', 'secondpublicsg', 'firstprivatesg', 'secondpriva

tesg' ]' availabilityzones='[ 'us-east-1a', 'us-east-1b', 'us-east-1c', 'us-east-1d' ]' vpcid=vpc-cc4913b5"

Launching internalelb:

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ansible-playbook ansibleforlaunchinginternalelb.yaml -e "accesskey=AKIAISKXPJ7DHGGXG4EA secretkey=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 nameofregion=us-east-1 templatepath=templateforlaunchinginternalelb.yaml stackname=internalelbstack loadbalncername=internalelb firstprivatesubnetid=subnet-1375755b secondprivatesubnetid=subnet-615d1a3b firstprivateinstanceid=i-0cd12da1346fa6081 secondprivateinstanceid=i-0e160791af30723c4 elbsgname=interelbsg vpcid=vpc-cc4913b5 sgcidr=10.54.0.0/16" -v

Launching externalelb:

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ansible-playbook ansibleforlaunchingexternalelb.yaml -e "accesskey=AKIAISKXPJ7DHGGXG4EA secretkey=FX1abQ1Dc2RNsjTD4LRWOG

nd5EZXYVScXtKqZUyh nameofregion=us-east-1 templatepath=templateforcreatingexternalelb.yaml stackname=externalelbstack loadbalncername=external

elb firstpublicsubnetid=subnet-291fdc4d secondpublicsubnetid=subnet-7c367a50 firstpublicinstanceid=i-0d2678e64b9fec5f8 secondpublicinstanceid=

i-02346708aace8f98b elbsgname=externalelbsg vpcid=vpc-cc4913b5" -v