**Automating of EC2 with Website and Load Balanced**

1. Create a Centos Server VM and download key file

2. Login in to Build Machine by hitting browser

3. Clone your code repository

$ **git clone** [**https://git-codecommit.us-east-1.amazonaws.com/v1/repos/AwsD-L**](https://git-codecommit.us-east-1.amazonaws.com/v1/repos/AwsD-L)

**User name: y2y\_codecommituser-at-673371647640**

**Password: nsjZ5/LqQBZdq+uyLbm3fwlPaM+ZXb5BvkN0WCe0JKU=**

4. Go to ec2 Folder

**$cd AwsD-L/ec2**

5. Create a Key Pair

6. . Copy Key File

$vi ~/test.pem

Copy the content of your key file here

Ec2 Creating Website Commands:

7. Create Instance

-----------------

Template: templateforlaunchinstance.yaml

--------

Ansible: ansibleforlaunchinginstance.yaml

--------

Command:

--------

ansible-playbook ansibleforlaunchinginstance.yaml -e "accesskey=AKIAIQOZYVN36ZEGDOKQ secretkey=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 nameofregion=us-east-1 templatepath=templateforlaunchinstance.yaml vpcid=vpc-978fcfee imageid=ami-eebbaaf8 instancetype=t2.micro keyname=pavankumar-kp stackname=firstinstacnestack sgname=firstinstancesg subnetid=subnet-df87ac97 availabilityzone=us-east-1b instancename=firstinstance" -v

8. Installing Apache and Inserting Imageurl to file( CreatingWebsite)

-------------------------------------------------------------------

Ansible: ansibleforcreatingwebsite.yaml

--------

command:

--------

ansible-playbook ansibleforcreatingwebsite.yaml -e "imagelink=https://s3.amazonaws.com/pavankumar-us-east-1-websitebucket/610fd773c6621f00cea608bfa4467b03--fossil-watches-for-men-mens-watches.jpg" -v

9. Create Instance as Image:

--------------------------

Ansible: ansibleforimagecreateingforminstance.yaml

--------

Command:

--------

ansible-playbook ansibleforimagecreateingforminstance.yaml -e "accesskey=AKIAJ36HHXUCVSO6RPHA secretkey=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 nameofregion=us-east-1 instanceid=i-047fa478c29097b3e nameofimage=webserver" -v

10. Create The Two Instances Using ansible loop:

---------------------------------------------

Ansible: ansibleforloopinginstances.yaml

--------

Command:

-------

ansible-playbook ansibleforloopinginstance.yaml -e "accesskey=AKIAIQOZYVN36ZEGDOKQ secretkey=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 nameofregion=us-east-1 templatepath=templateforattachingvolume.yaml vpcid=vpc-978fcfee imageid=ami-eebbaaf8 instancetype=t2.micro keyname=pavankumar-kp stacknames='[ 'firstinstacnestack', 'secondinstancestack' ]' sgnames='[ 'firstinstancesg', 'secondinstancesg' ]' subnetids='[ 'subnet-bd4a3b91', 'subnet-9499b2dc' ]' availabilityzones='[ 'us-east-1a', 'us-east-1b' ]' instancenames='[ 'firstinstance', 'secondinstance' ]'" -v

11. Creating Elb and adding Two Instance to elb:

-------------------------------------------

Template: templateforcreatingelb.yaml

---------

Ansible: ansibleforcreatingelb.yaml

--------

Command:

--------

ansible-playbook ansibleforcreatingelb.yaml -e "accesskey=AKIAIQOZYVN36ZEGDOKQ secretkey=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 nameofregion=us-east-1 templatepath=templateforelbcreation.yaml vpcid=vpc-978fcfee firstsubnetid=subnet-bd4a3b91 secondsubnetid=subnet-9499b2dc sgname=elbsg elbname=myelb firstinstanceid=i-0e1d5e573e86bc0cc secondinstanceid=i-01d343b7116c5568f stackname=myfirstelbstack1" -v