Linux Instance

Same as windows only difference is to change the OS(Amazon Linux)

Configure Storage for linux 8 and windows 30 by default-->Launch

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Create Bucket:

Search for S3 bucket or select from below given options

Create Bucket-->Bucket name should be unique-->Object ownership-->Click on ACLs enabled-->

-->Unckeck block public Access-->tick for acknowledgement-->create bucket

-->click bucket name

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-->upload if we want to add any file(preferably html)--> Add file-->Drag and Drop or can browse-->upload

-->Select file-->Copy URL-->Paste in our Browser

for CSV file-->Select file-->Actions-->run sql query-->(File type will automatically get selected)-->Select from template and append

Bucket versioning:

Click on bucket-->Properties-->Bucket versioning-->Enable-->ON show versions

For deleting bucket we need to first empty it

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Lambda:

Click on lambda from options or search for it

Create Function-->Author from Scratch(if you know coding better)/Use a blueprint

Type Hello in bluprints-->Select code and Configure

Keep architecture as it while creating function

execution Role-->use an existing role-->select lab role from dropdown

Deploy is any changes made

Test-->Create new event-->Give any name-->Save-->test(will get response)

Delete Function-->Select-->action-->Delete (Never Delete those two functions which are alrady there)

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To see logs

search for cloudwatch-->Logs-->Log Group-->Click on our file

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Docker:()

Click on EC2-->create t2 large instance of linux-->Go on Mbaxterm-->

Mobaxterm=>SSH-->Copy paste public IP-->Specify Username Tick and give name-->

advance ssh setting--> add key .pem file

Now we are in terminal

sudo su: cmd to go in root user

yum install docker: to install docker

type y = docker will get installed = have patience

service docker start: cmd to start docker

mkdir demo_docker(Sample file name)

cd filename: to go into file

vi Dockerfile press enter

type i to insert

FROM tomcat : type it

press Esc and type :wq and enter

ls: cmd to see if docker file created

docker build -t tomcat_1.0 . :to build docker file in current directory

docker run -d -p 8080:8080 tomcat_1.0 ==> on clicking we will get one unique id below it

docker ps : to see container id etc after we run docker

*add inbound rule to see port number 8080 or to change it , go in instance security grp inbound rule,

custom TCP port range 8080 anywhere ip4 and save

*To see if our tomcat is running or not: copy instance ip and paste it in browser followed by :8080

*Now to get your war file on linux terminal go in our bucket-->objects-->Copy s3 URI

*For I Am Role-->select your Instance --> Actions-->security-->Modify I am role-->select EMR EC2 default--> Update

*now in mobaxterm

aws se cp s3://rightclick to paste s3 URI which you copied

ls:to check your docker file

vi Dockerfile: type

type i

COPY war file name (space)/user/local/tomcat/webapps/: type in terminal--> ESc :wq

docker build -t sample_1.0 . :to create sample file

docker image ls: to check docker images

docker run -d -p 8080:8080 sample_1.0: to run docker

first stop docker : docker stop right click to paste container id (get container id by docker ps)

now run docker

Now in our browser to run our files

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DevOps:

Create t2 large instance for linux

then follow ssh mobaxterm steps

now in terminal(If we already have our docker created)

service docker start

docker network create jenkins: to create jenkins network

copy paste the code given on day 07 command 07 of docker file content

copy paste command 07 then again select only and right click

vi docker file

i

copy paste the code given on day 07

docker build -t myjenkins-blueocean:2.346.3-1// command 8 of day07

copy paste command 09 then again select only and right click

if error change the port number

docker ps

docker logs jenkins-blueocean (or container Id)

on your browser: