AWS task

**Task No.1 :- S3 bucket MFA delete versioning enable task (bucket over MFA) process**

install aws cli in chrome browser

click on installing and updating latest version

click on windows and download cli link aws

click on sagarsonule id under

click credential security & download new access key excel format and copy

use your windows cli and type followings commands:-

C:\Users\Sagar>aws configure :- type command and show default output format - json

AWS Access Key ID [None]: AKIAVN6SSGZOGU2YWAYX :- type your access key

AWS Secret Access Key [None]: CcKF/MltoRiVKJdxmnsa+by2j/Jx9ji9Va9P0TUQ :- type your Secret access key

Default region name [None]: us-east-1 :- your current region id

Default output format [None]: :- enter

C:\Users\Sagar>aws s3api list-buckets :- for list bucket command

{

"Buckets": [

{

"Name": "sagarsonule",

"CreationDate": "2022-10-18T04:30:05+00:00"

},

{

"Name": "sonulefiles",

"CreationDate": "2022-10-18T04:37:45+00:00"

}

],

"Owner": {

"DisplayName": "sagar.sonule001",

"ID": "75a088a89811ce52561a9c4cfb3168ac6f0de217ceafe196ba1892cb53770669"

}

}

C:\Users\Sagar>aws s3api get-bucket-versioning --bucket "sonulefiles"

:- for status enable or disable which bucket if disable goto the versioning and do enable

{

"Status": "Enabled"

}

C:\Users\Sagar>aws s3api put-bucket-versioning --bucket sonulefiles --versioning-configuration

Status=Enabled,MFADelete=Enabled --mfa "arn:aws:iam::accountidnumber:mfa/root-account-mfa-device 000000"

:- accountnumber accountid 12 digit & 6 digit Authentication code

(If no error show its succesful enable)

C:\Users\Sagar>

\*\*practical complete if your bucket is not deleted in aws account\*\*

**Task No 2 : Hosting The webpage With the use of EC2 Instance**

Click on EC2 dashboard

Launch instance

Type instance name ex: myamazonlinux

Click any instance ex: Amazon Linux

Create new key pair and download

Type key pair name ex: mykeypair

: key pair type RSA

:private key file format .pem (no changes)

Create key & launch instance

Click instance :ex myamazonlinux

Click on instance id

Click on security & security group

Click on launch wizard -2

Also click on Edit inbound rule

Click add rule & type HTTP 80 anywhere 0.0.0.0/0 save

Click Instance & copy public IPV4 IP address

Click on instance instance connect & copy ssh -i “download key path with name”ec2-user@instance IPV4 IP

: Path copy in key file properties and copy again

Open your cmd mode in windows

sudo yum install httpd -y

sudo systemctl start httpd

sudo systemctl enable httpd

cd /var/www/html

sudo vim index.html : type any html format

copy instance ip address and paste in chrome browser and hit show html massage

or

any css template download copy path address

sudo wget < path of the template>

sudo unzip <template file>

mv <unzip file> index.html

Copy instance ip address and paste in chrome browser and hit it show same as template page

\*\*Your task is done showing the same template page\*\*

**3) LEMP Server Configuration Using Apache NGINX Server (LINUX – NGINX – Mysql (mariadb) – PHP)**

sudo amazon-linux-extras install epel -y

6 sudo yum install nginx -y

7 sudo systemctl start nginx

8 sudo systemctl enable nginx

9 ip addr show eth0 | grep inet | awk '{ print $2; }' | sed 's/\/.\*$//'

Show your ip address

10 curl http://icanhazip.com

11 sudo yum install mariadb-server mariadb -y

12 sudo systemctl start mariadb

13 sudo mysql\_secure\_installation

14 sudo systemctl enable mariadb

15 sudo yum install http://rpms.remirepo.net/enterprise/remi-release-7.rpm

16 yum --disablerepo="\*" --enablerepo="remi-safe" list php[7-9][0-9].x86\_64

17 sudo yum-config-manager --enable remi-php74

18 sudo yum install php php-mysqlnd php-fpm

19 php --version

20 sudo vim /etc/php-fpm.d/www.conf :- Red text change in the file

…

; Unix user/group of processes

; Note: The user is mandatory. If the group is not set, the default user's group

; will be used.

; RPM: apache user chosen to provide access to the same directories as httpd

user = nginx

; RPM: Keep a group allowed to write in log dir.

group = nginx

…

…

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…

listen = /var/run/php-fpm/php-fpm.sock;

21 sudo systemctl start php-fpm

22 sudo vim /etc/nginx/conf.d/default.conf : no changes only copy text

server {

listen 80;

server\_name server\_domain\_or\_IP;

root /usr/share/nginx/html;

index index.php index.html index.htm;

location / {

try\_files $uri $uri/ =404;

}

error\_page 404 /404.html;

error\_page 500 502 503 504 /50x.html;

location = /50x.html {

root /usr/share/nginx/html;

}

location ~ \.php$ {

try\_files $uri =404;

fastcgi\_pass unix:/var/run/php-fpm/php-fpm.sock;

fastcgi\_index index.php;

fastcgi\_param SCRIPT\_FILENAME $document\_root$fastcgi\_script\_name;

include fastcgi\_params;

}

}

23 sudo systemctl restart nginx

24 sudo systemctl enable nginx

25 sudo chown -R nginx /usr/share/nginx/html/

27 sudo vim /usr/share/nginx/html/info.php

**<?php**

phpinfo();

<http://server_host_or_IP> for your instance/info.php

Output php page practical is complate