task questions

1.LAMP server

2.Types of hyperwiser

3. What is assume role

4. A. How many permission can give to one user?

B. How many user we can add In one group?

C. How many user we can add in one group?

* **5. Apply MFA to a single bucket or how to enabled MFA to the s3 bucket ?**

**Ans:-** steps **first activate the MFA** to **the root user** go to **IAM MFA activate** then

Go to the **s3 service** ---- go to the **bucket** click on **bucket** and see the **properties MFA is disabled**

Go to the **CLI aws** --- to the command prompt

**aws configure**

**aws s3api list-buckets** -- this is command

**aws s3api put-bucket-versioning --bucket resident-evil1 --versioning-configuration Status=Enabled,MFADelete=Enabled --mfa "arn:aws:iam::065068297386:mfa/root-account-mfa-device 859871"**

\*\*\*\*note

this is **enable MFA command\*\*\*\*\*\*** **resident-evil1** is my bucket name **065068297386** this is my root id

then you try **to bucket delete** or not if you delete then **show versioning** then now to try delete then you have a **error** to the **MFA**

**aws s3api delete-object --bucket resident-evil1 --key newfile.txt** ---- this is for command line

\*\*\*\*note

**resident-evil1** this is my **bucket name** **newfile.txt** is my **file name**

**aws s3api delete-object --bucket resident-evil1 --key newfile.txt --version-id** **Eqv102ILFiiBJPL2kCWVUBOXPSw**

note \*\*\*\*\*\*\*\*

**Eqv102ILFiiBJPL2kCWVUBOXPSw** this is my **verison id** (now try to **delete version id** **file it required** **MFA**)

>**aws s3api put-bucket-versioning --bucket resident-evil1 --versioning-configuration Status=Enabled,MFADelete=Disabled --mfa "arn:aws:iam::065068297386:mfa/root-account-mfa-device 859871"**

**\*\*\*\*\*\*\*note this is disable MFA to the s3 \*\*\*\*\*\*\***

**note:-** it is very in-**secure method** because your "**access key" & "secreate key**" store on **locally.**

anyone can **access** your laptop can access your **aws** keys.

Versioning must be **enabled** on bucket.

6. Bucket replication , cross region & Cross account?

7. Diffrence between

1. Arm & x86

2.RSA and ED25519

3. .pem and .ppk

8.Mount s3 bucket on EC2 & try to host website

9. How to recover SSH key, when production server is on running?

10. LAMP server configuration , Nginx instead of apache

11.Create image (AMI) form a snapshot & then send it via cross region & create instance from the AMI

12.Diffrence between application load balancer & network laod balancer

* **13. How to get into index.html & without using vim & without giving permission**

**Ans:-** **sudo bash -c 'echo "hello server2" >index.html'** --- this is the command

14.output & script should be one file

* **15.how to put load balancer logs in s3 bucket**

**Ans:-** first all the process of **load balancer**

Create **instance 2 create load balancer** create target group and all

**Main process**

Go to the **load balancer**

Select **box**

Click **action**

Select **edit attributes**

**Access log enable**

**S3 location s3:// -- tomrider-one** ---- put uniq name to the s3 bucket

**Create this location for me**  --- this click imp

Then go to the **S3 bucket**

**Refresh**

Now you see the **bucket**

And you see the **logs of load balancer**

If you want to see the logs then go to **permission** – **unclick public acess** – **acl enable now – object go the folders click click click object action – make a public**

**Hit the link now you see the logs of the file**

16. blue green deployment

**17.Create vpc logs**

**Ans :-** first **creat vpc**

Clik the **vpc**

Now you see the **flow logs**

**Create flow log**

Name:- f**low-log-s3**

* **All**

Select :- send to an **amazon s3 buckets**

Select:- **10min or 1min**  --- agr 1 min kiya to har **ek min me generate honga**

**S3 bucket arn**:-now you see the **create s3 bucket**

**Crate bucket now**

Now you **select bucket** :- select **properties**:- now you see the **ARN**

Copy this arn and back to the page vpc flow log

Put arn :- **arn:aws:s3:::hellomini**

**Create flow log**

**Now go to the S3 bucket now you see the logs generate at every one min**

**18.** **Attach a volume to multiple instances with Amazon EBS Multi-Attach**

Ans:-

Launch **two or more then instance**

Name:- **instance-1** **---first**

**Ami**

**T3 micro** if you are put ***t2 micro have you error t2*** ***micro is not support to the*** **multiattach instance**

Network setting select subnet **1a**

Then all **default normal**

**Launch**

**Launch**  **---first**

Name:-**instance-2**

**Ami**

**T3 micro**

Network setting select subnet **1a**

Then all **default normal**

**Launch**

**Select volume**

**Create volume**

Provisioned IOPS SSD **(io2)** ---only available on this ssd we can create multiple volme

Select **5 gb**

Availablity zone **1a**  **note the zone is specific**

Enable **multiattach**

Select **Encrption**

Select **kms key** If you don’t have then select default

**Select volume :- select action:- attach volume**

Instance:- **instance-1**  **attach**

**Select volume :- select action:- attach volume**

Instance:- **instance-2** **attach**

Now go to the instance **connect two instance**

**Lsblk**  - now you see the volume add to the **two instance**

**Lsblk -f** - now you see the **file system** is connected or not

**Mkfs.xfs /dev/nvme1n1**  -- the file system command

**Lsblk -f** – now you show file system is connected

**Mount first**

**Mkdir chote**

**Cd chote**

**touch file{1..5}  
mount /dev/nvme1n1 /home/ec2-user/chote/** -- this is mount

Go to the terminal **2nd instance**

**Lsblk -f**  -now you not see anything

**Partprobe** - this command is used for update terminal

**Lsblk -f**  - now you see the file system is already connect

**Mkdir newone**

**mount /dev/nvme1n1 /home/ec2-user/newone/** -- this is mount

**cd newone** : now you see the files on this 2nd instance

**19.Cross region vpc**

Ans:- **chose first region** **(Tokyo)**

Go to the **vpc**

**Your vpcs**

* **Create Vpc**

Name :- **VPC-tokyo**

IPV4 CIDR :-**10.0.0.0/20 \*\*\*\*\*imp ip\*\*\*\*\***

**Save**

* **Create Subnet**

Select :-**Subnet-tokyo**

Availablity zone:- **select 1a**

**10.0.15.255/20**

**Create subnet**

* **Create internet getway**

Name;-**VPC-IG-tokyo**

**Create internet getway**

**Select VPC-IG-tokyo : select action :- select VPC-A**

**Attach internet gateway**

**Create internet getway select**

Select **route tables**

**Create route table** **Select**

Name:- **VPC-RT-tokyo**

Select :- **VPC-RT-tokyo**

**Create route table**

**Edits routes**

**Add route :-0.0.0.0/0 select Internet getway Save Changes**

**Select subnet association**

Edit Select **subnet association**

Select **Subnet-tokyo** save association

**chose first region** **(Mumbai)**

Go to the **vpc**

**Your vpcs**

* **Create Vpc**

Name :- **VPC-mumbai**

IPV4 CIDR :-**20.0.0.0/21 \*\*\*\*\*imp ip\*\*\*\*\***

**Save**

* **Create Subnet**

Select :-**Subnet-mumbai**

Availablity zone:- **select 1a**

**21.0.7.255/21**

**Create subnet**

* **Create internet getway**

Name;-**VPC-IG-mumbai**

**Create internet getway**

**Select VPC-IG-mumbai : select action :- select VPC-A**

**Attach internet gateway**

**Create internet getway select**

Select **route tables**

**Create route table** **Select**

Name:- **VPC-RT-mumbai**

Select :- **VPC-RT-mumbai**

**Create route table**

**Edits routes**

**Add route :-0.0.0.0/0 select Internet getway Save Changes**

**Select subnet association**

Edit Select **subnet association**

Select **Subnet-mumbai** save association

Go to **EC2**

* **Launch instance** **Mumbai**

Name:- **Mumbai-instance**

**Ami**

**T2 micro**

Key name:- **newkey**

**Network setting:- select vpc :- VPC-mumbai Auto-assign public ip:- Enable**

Create security group

**Add security group rule :- ALL ICMP-IPV4 source:- Anywhere**

**Launch**

**Go to the Tokyo region**

Go to **EC2**

* **Launch instance** **Tykyo**

Name:- **tykyo-instance**

**Ami**

**T2 micro**

Key name:- **newkey**

**Network setting:- select vpc :- VPC-Tokyo Auto-assign public ip:- Enable**

Create security group

**Add security group rule :- ALL ICMP-IPV4 source:- Anywhere**

**Launch**

**Create peering connection Tokyo**

Name:- **my-peering**

**VPC-ID (Requester)**

**Select-tykyo**

**Select**

**Another Region**

**Select Mumbai**

**VPC-id :** [vpc-0015ca881682d70f1](https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#VpcDetails:VpcId=vpc-0015ca881682d70f1) **this is vpc id of Mumbai region**

**Create peering**

**Now go to the Mumbai region**

**Select peering connection**

**Now you see the my peering**

Select **: select action : accept request**

Select **route connection Tokyo**

Select **VPC-RT-tokyo**

**Edit route**

**20.0.0.0/21 copy main Mumbai region vpc subnet imp subnet**

**Save route**

**Go to the Mumbai**

Select **route connection mumbai**

Select **VPC-RT-tokyo**

**Edit route**

**10.0.0.0/20 copy main Mumbai region vpc subnet imp subnet**

**Save route**

**Now any instance connect and ping another region privet ip**

**Ex Mumbai region connect**

**Ping 198.162.13.135 this is privet ip of Tokyo-instance (Tokyo region)**

**Now you see the connect**

**20. how to add user in mariadb server**

**Ans :-**

**create user 'user2'@localhost identified by 'palash123' this is for user create command**

**select user from mysql.user --- show all users in mysql**

**grant all privileges on \*.\* to 'user1'@localhost identified by 'password1'; --- user create with all permission**

**grant all privileges on 'yourDB'.\* to 'user1'@localhost; --- for existing user permission**

**show grants for 'user1'@localhost; --- show permissions for the user**