RDS Multi-AZ Configuration

**Note: Step 1 to Step 11 create in VPC service console**

1. Create new VPC "RDSVPC" with CIDR block is "10.10.0.0/16"
2. Create new IGW "RDSIGW"
3. Attach RDSIGW to RDSVPC
4. Create public subnet "rds-pub-subnet" with CIDR block is "10.10.0.0/24"
5. Create route table "rds-rt-public" under "RDSVPC"
6. Add route IGW "RDSIGW" to route table "rds-rt-public"show

1. Go to subnet association and select public subnet "rds-pub-subnet"

1. Create private subnet "rds-pri-master-subnet" with CIDR block is "10.10.1.0/24"
2. Create private subnet "rds-pri-replica-subnet" with CIDR block is "10.10.2.0/24"sudo yum in

1. Create route table "rds-rt-private" under "RDSVPC"
2. Go to subnet association and select private subnet's "rds-pri-master-subnet" & "rds-pri-replica-subnet"

**Note: Step 12 create in RDS service console**

1. Create Subnet group **rdsvpc-db-subnet-group** under **rdsvpc  
   add :** rds-pri-master-subnet" with CIDR block is "10.10.1.0/24

**Add:** rds-pri-replica-subnet" with CIDR block is "10.10.2.0/24

1. Create security group in EC2 name is "rds-sg" with ports "mysql/aurora" port no -3306, & SSH-22 source = 0.0.0.0/0
2. Create RDS instance
3. Create EC2 instance(Amazon Linux 2 AMI)show
4. Connect EC2 instance with putty
5. Run below command to install mysql client on EC2 instance

**sudo yum install mysql**

mysql -h **database-3.ccz45nrif50w.ap-south-1.rds.amazonaws.com** -u admin -p

Or

mysql -h database-1.cu2ro811v87t.ap-south-1.rds.amazonaws.com -p 3306 -u admin -p

show databases;

Create database: create database mydb1;

Enable database: use mydb1;

**Create some tables in database**

create table awsrdsdemo (name VARCHAR (30) , batch INT (2) , phone VARCHAR (10) , email VARCHAR (30)) ;

**Insert the data in table**

insert into awsrdsdemo values ('mahesh naidu', 9, '7799412345', 'cloudtechnet@gmail.com');

Select \* from awsrdsdemo;

Forcefully stop the connection to Master database server ?

while true; do host **database-1.crjchcfb33nv.ap-south-1.rds.amazonaws.com ; sleep 3; done**