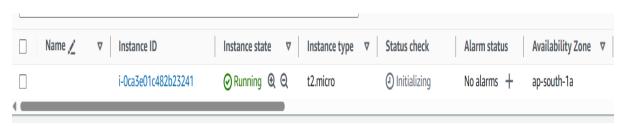
### Project 1 - Deploying a Multi-Tier Website Using AWS EC2

#### **EC2-CREATED**



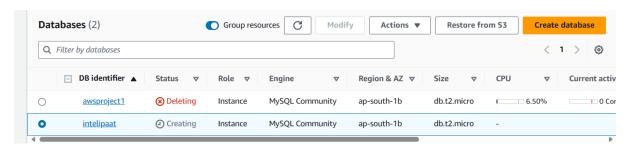
### Code to set up ec2

```
s sudo su
me/ubuntu# apt update -
in 'apt list --upgradable' to se
itu# apt install apache2

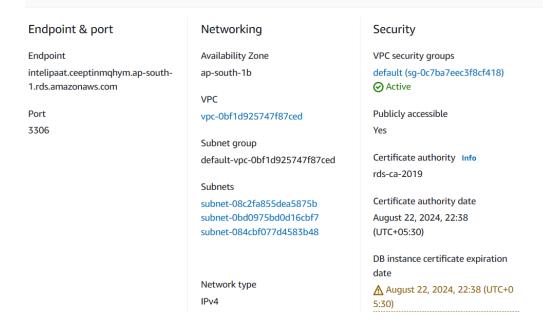
pervisor (qemu) binaries on this host.
id-apt-repository -y ppa:ondrej/php
include 'main/debug' component
```

```
1 apt update -
2 apt update -y
3 apt install apache2
4 add-apt-repository -y ppa:ondrej/php
5 apt install php5.6 mysql-client php5.6-mysqli
6 history
act@ip=172-31-47-66:/home/ubuntu#
```

### **Database created**



#### **Connectivity & security**



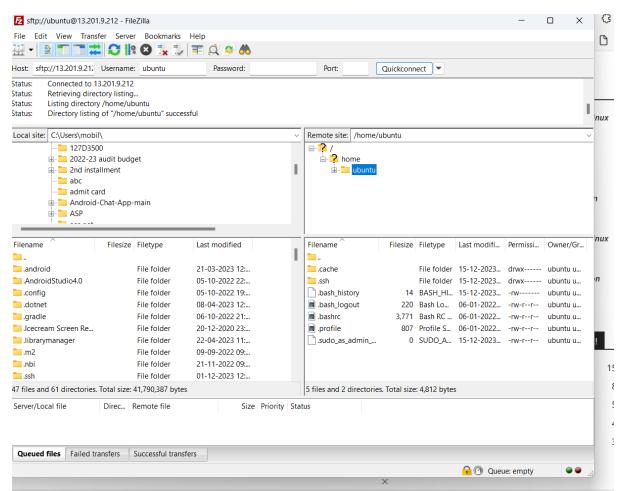


# Mysql setup on ec2

Last login: Fri Dec 15 12:07:59 2023 from 13.233.177.3 ubuntu@ip-172-31-47-66:~\$ mysql -h intelipaat.ceeptinmqhym.ap-south-1.rds.amazonaws.com -u admin -p 12345678

```
Last login: Fri Dec 15 12:07:59 2023 from 13.233.177.3
ubuntu@ip-172-31-47-66:~$ mysq1 -h intelipaat.ceeptinmqhym.ap-south-1.rds.amazonaws.com -u admin -p 12345678
Enter password:
ERROR 1049 (42000): Unknown database '12345678'
ubuntu@ip-172-31-47-66:~$ mysql -h intelipaat.ceeptinmqhym.ap-south-1.rds.amazonaws.com -u admin -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \gray{g}.
Your MySQL connection id is 30
Server version: 8.0.33 Source distribution
Copyright (c) 2000, 2023, Oracle and/or its affiliates.
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql>
 i-0ca3e01c482b23241
 PublicIPs: 13.201.9.212 PrivateIPs: 172.31.47.66
```

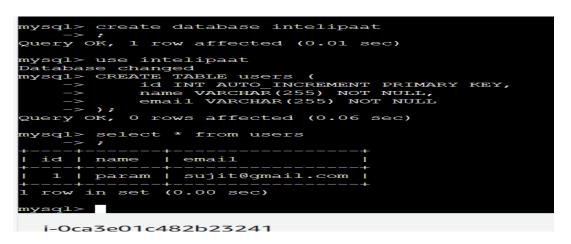
### Filezilla setup and add new folder



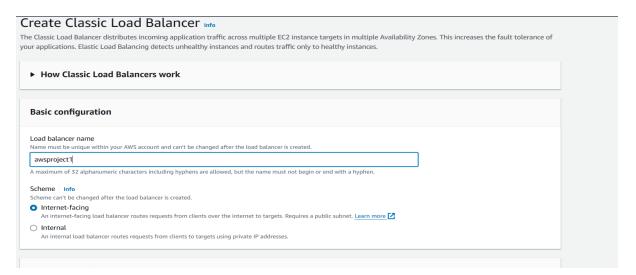
## Php page hosted on public ip of ec2

← C	6	▲ Not secure	13.201.9.2	212/new%20f	older/inde	x.php		
✓ YouTube	M Gmail	front pata.pd	f 💡 Maps	G Google	🙀 mivi	New Tab	🙎 eMSJE NGO Home	pos i
Data succes	ssfully inse	rted into the data	base.					
PHP F	orm to	Database						
Name:								
Email:								
Submit								

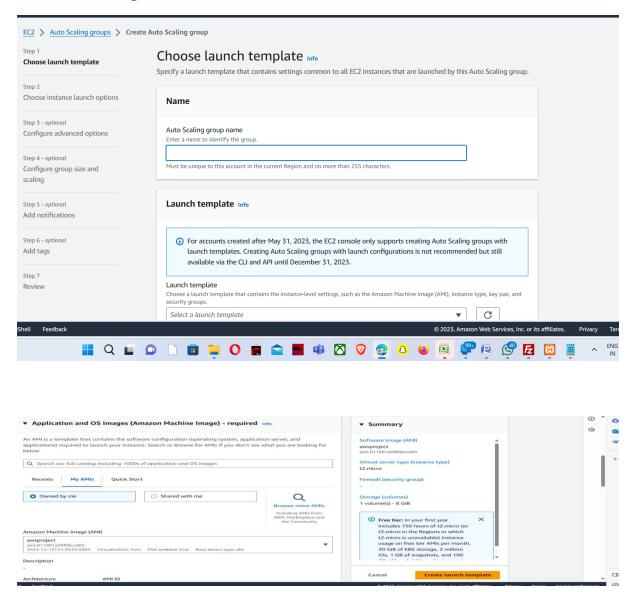
### **Data inserted done**



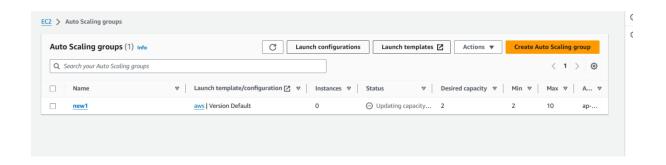
### Load balancer



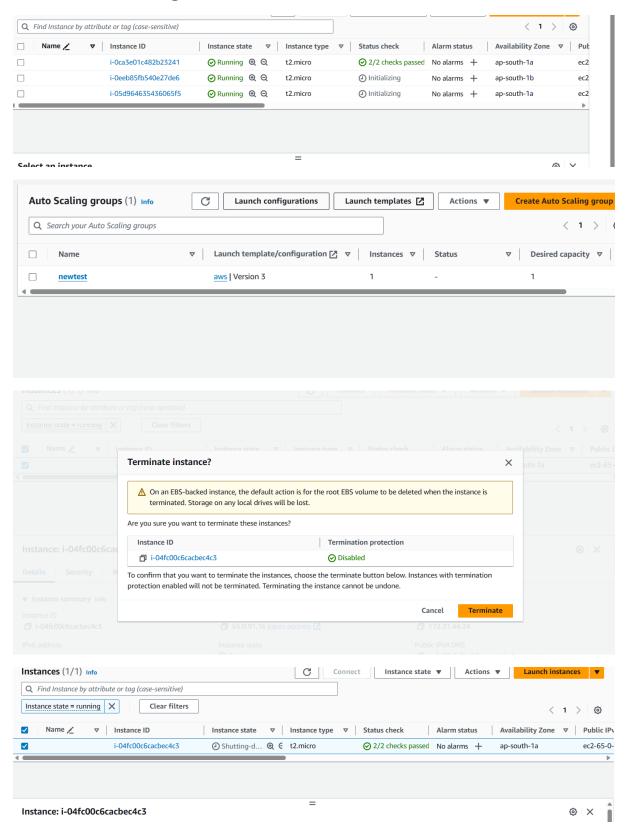
# **Lunch configuration**

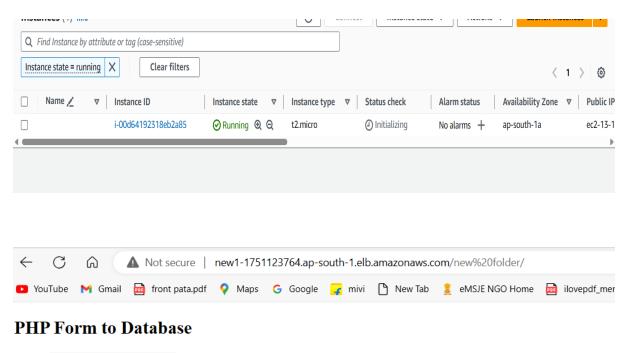


## **Auto scaling group**



# **Automatice assign of instaces**



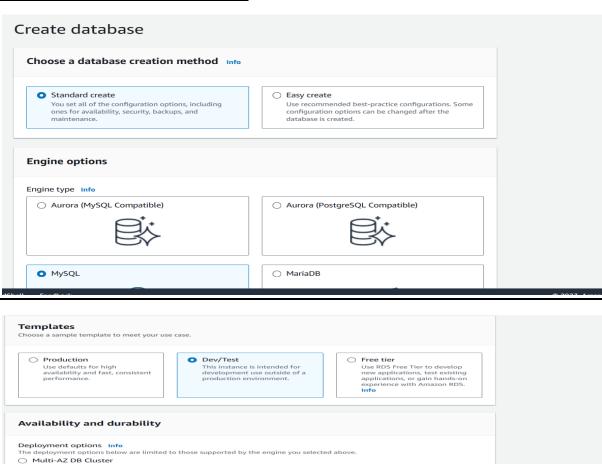


Name:	
Email:	
Submit	t

# <u>Project 2 – Website Orchestration</u>

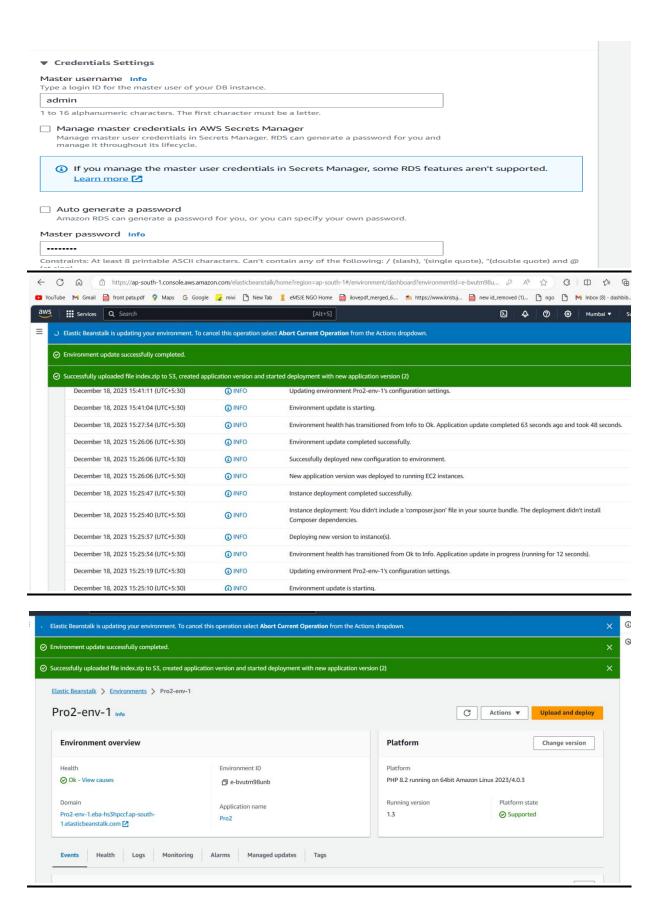
### Rds console - mysql db creation

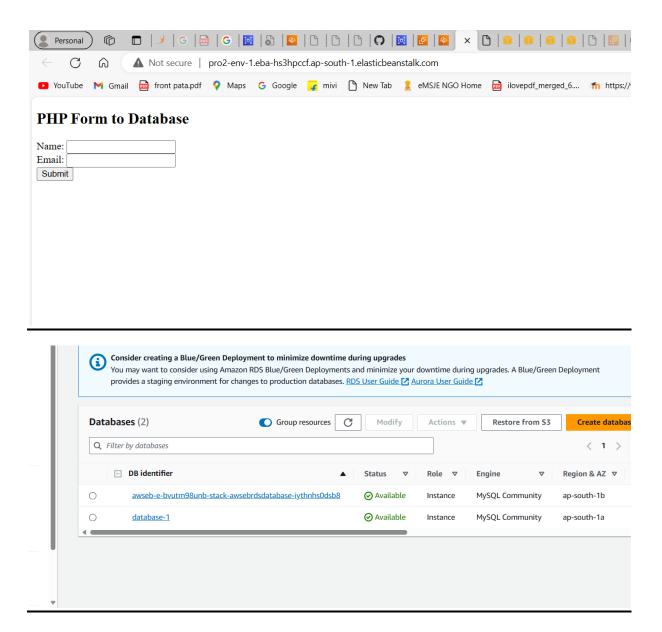
Single DB instance
 Creates a single DB instance with no standby DB instances.



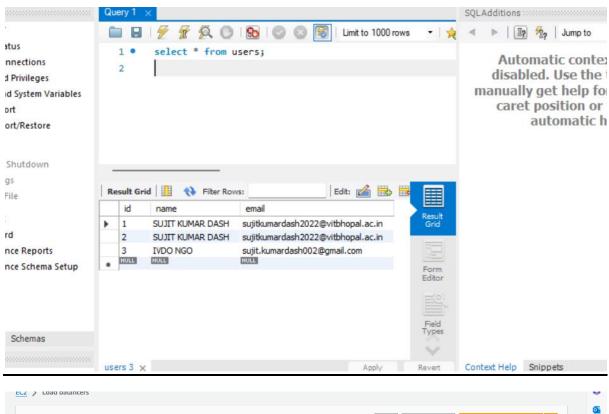
Multi-AZ DB Cluster
Creates a DB cluster with a primary DB instance and two readable standby DB instances, with each DB instance in a different Availability Zone (AZ). Provides high availability, date redundancy and increases capacity to serve read workloads.

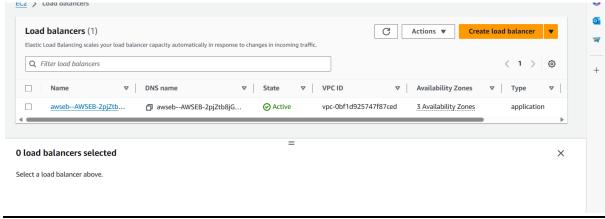
Multi-AZ DB instance
Creates a primary DB instance and a standby DB instance in a different AZ. Provides high availability and data redundancy, but the standby DB instance doesn't support connections for read workloads.

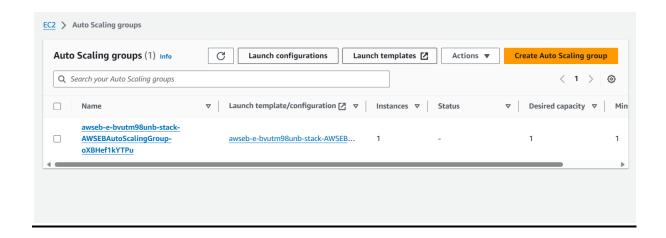




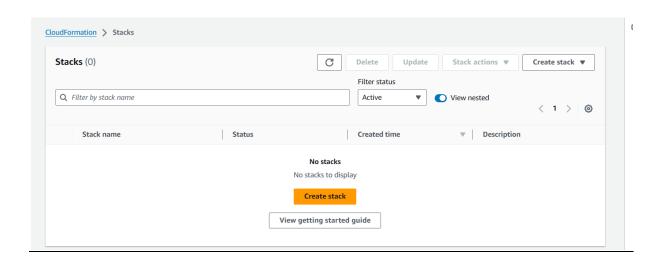
PHP Form to Database  Name: IVDO NGO   Email: sujit.kumardash002@gmail.  Submit
← ♂ ⋒ • Not secure   pro2-er
YouTube M Gmail  front pata.pdf  Ma
Data successfully inserted into the database.
PHP Form to Database
Email:
Submit

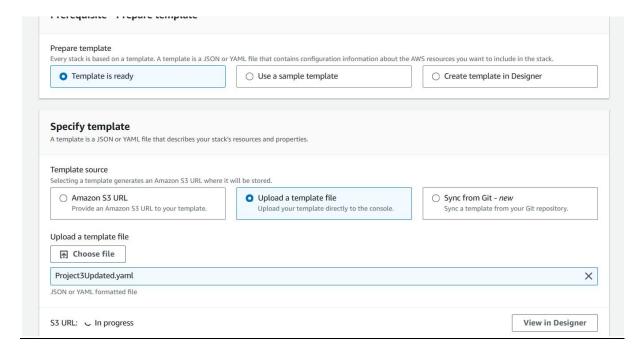




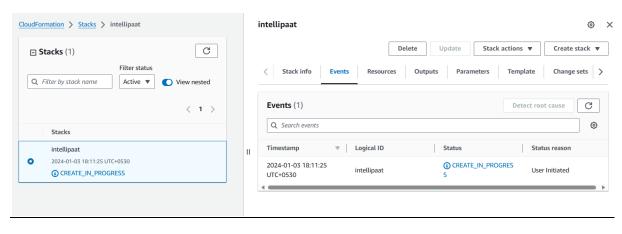


### Project 3 - Publishing Amazon SNS Messages Privately

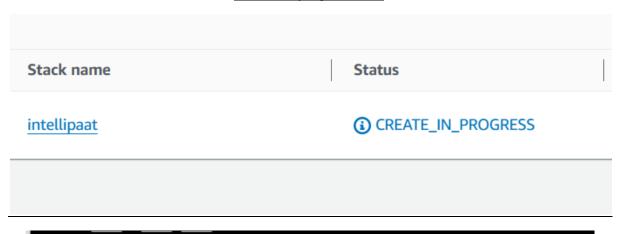




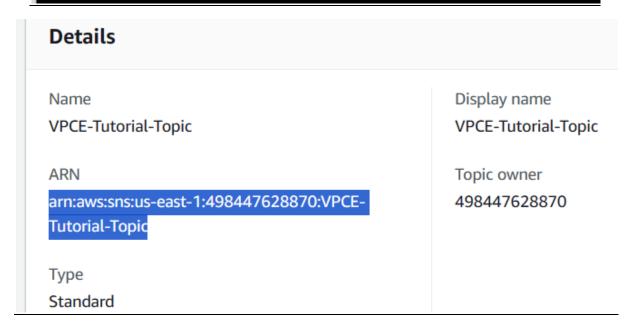
#### **Stack And resources Created**



#### Stack is in progress state



```
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-10-0-0-154 ~]$ ping amazon.com
PING amazon.com (52.94.236.248) 56(84) bytes of data.
```



#### **End point create for sns**

