Assignment 6

1. Explain the below AWS Architecture.

Solution:

Above icon means elastic load balancer in aws. Elastic Load Balancing automatically distributes your incoming traffic across multiple targets, such as EC2 instances, containers, and IP addresses, in one or more Availability Zones. It monitors the health of its registered targets, and routes traffic only to the healthy targets. Elastic Load Balancing scales your load balancer capacity automatically in response to changes in incoming traffic.

This icon means EC2 instance in aws. Amazon Elastic Compute Cloud (Amazon EC2) provides scalable computing capacity in the Amazon Web Services (AWS) Cloud. Using Amazon EC2 eliminates your need to invest in hardware up front, so you can develop and deploy applications faster. You can use Amazon EC2 to launch as many or as few virtual servers as you need, configure security and networking, and manage storage. Amazon EC2 enables you to scale up or down to handle changes in requirements or spikes in popularity, reducing your need to forecast traffic.

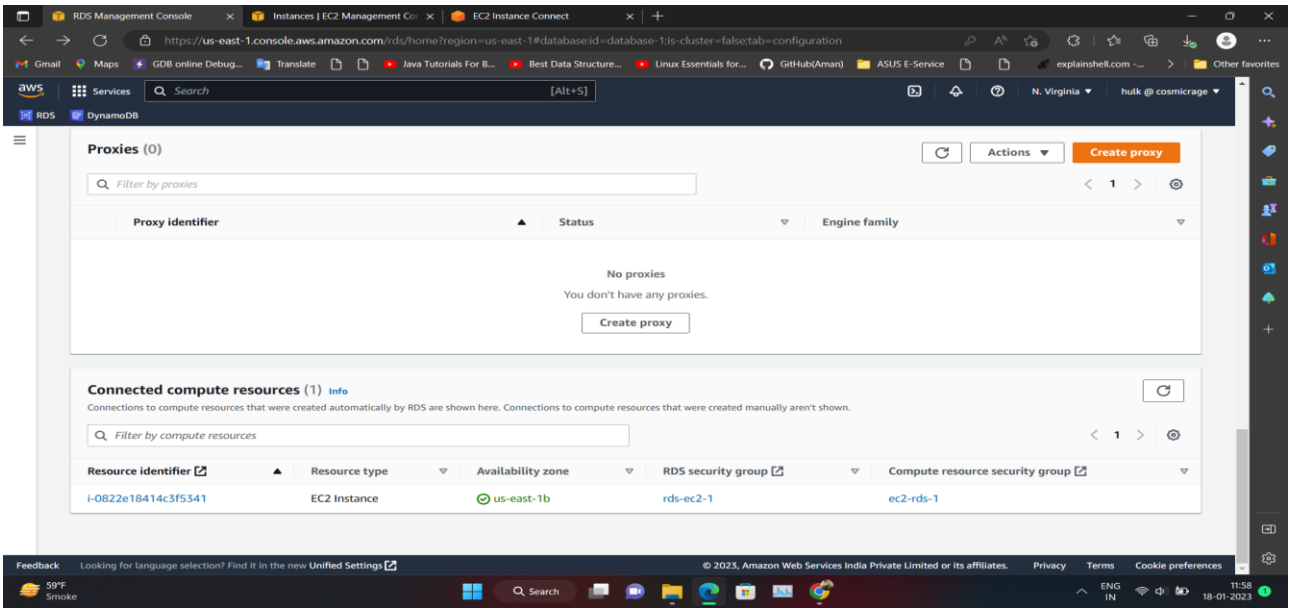
This icon is Amazon RDS (Relational Database Service). Amazon Relational Database Service (Amazon RDS) makes it easy to set up, operate and scale relational databases in the cloud. It provides cost-efficient and resizable capabilities while automating time-consuming administration tasks such as hardware provisioning, database setup, patching, and backup. It frees you to focus on your applications so that you can provide them with the fast performance, high availability, security and compatibility they need.

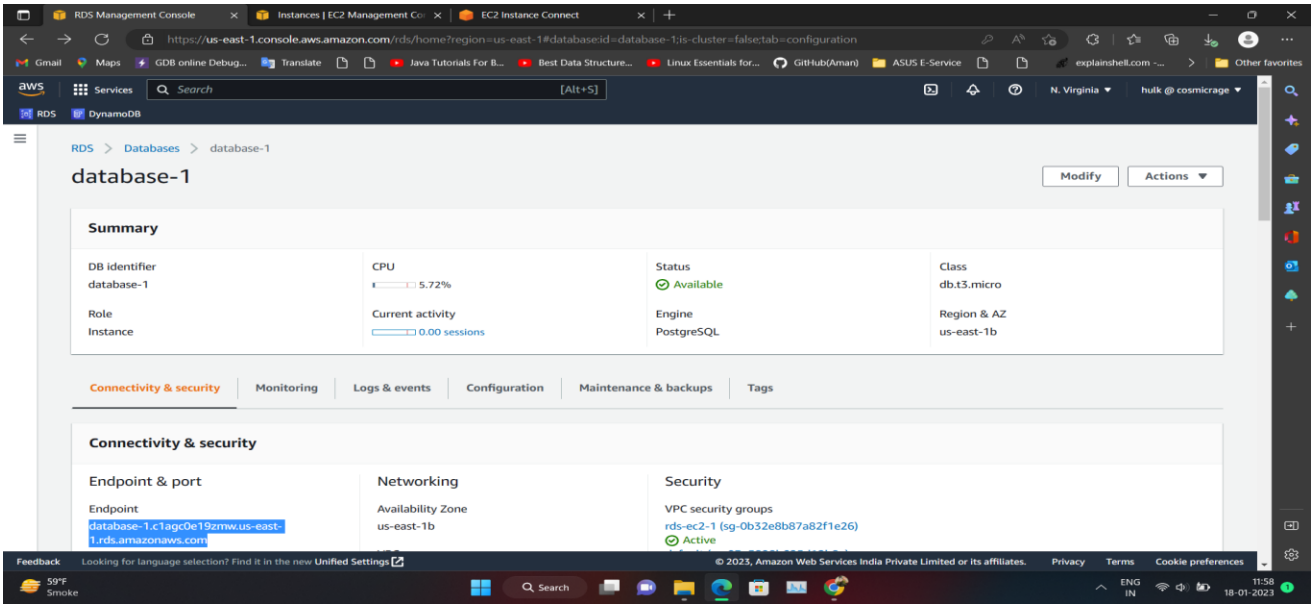
Now in the whole architecture we must connect EC2 instance with load balancer and RDS.

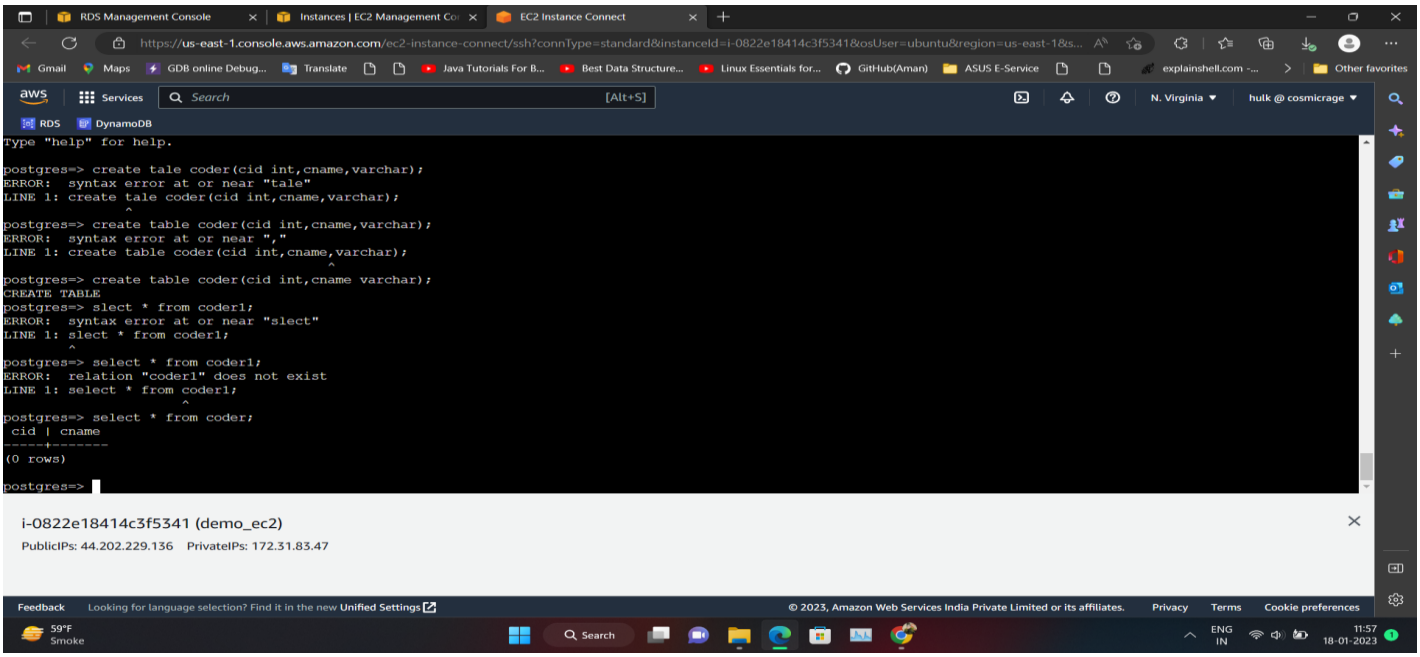
We must connect these three services so that they can work as one.

2. Implement the same in the AWS(only do a proper connection between service).

Ans. Here are some Screenshots that show I made a proper connection between Ec2 instance and RDS PostgreSQL.






RDS Management Console
Instances | EC2 Management Cor
EC2 Instance Connect
https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0822e18414c3f5341&osUser=ubuntu&region=us-east-1&s...
Gmail
Maps
GDB online Debug...
Translate
Java Tutorials For B...
Best Data Structure...
Linux Essentials for...
GitHub(Aman)
ASUS E-Service
explainshell.com -...
Other favorites
aws
Services
Search
[Alt+S]
N. Virginia
hulk @ cosmicrage
RDS
DynamoDB
Type "help" for help.
postgres=> create tale coder(cid int,cname,varchar);
ERROR: syntax error at or near "tale"
LINE 1: create tale coder(cid int,cname,varchar);
^
postgres=> create table coder(cid int,cname,varchar);
ERROR: syntax error at or near ","
LINE 1: create table coder(cid int,cname,varchar);
^
postgres=> create table coder(cid int,cname varchar);
CREATE TABLE
postgres=> slect * from coder1;
ERROR: syntax error at or near "slect"
LINE 1: slect * from coder1;
^
postgres=> select * from coder1;
ERROR: relation "coder1" does not exist
LINE 1: select * from coder1;
^
postgres=> select * from coder;
cid | cname
(0 rows)
postgres=>
i-0822e18414c3f5341 (demo_ec2)
PublicIPs: 44.202.229.136 PrivateIPs: 172.31.83.47
Feedback
Looking for language selection? Find it in the new Unified Settings
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences
59°F
Smoke
Search
ENG
IN
11:57
18-01-2023