

PROJECT ASSIGNMENT 1

Problem Statement:

Company ABC wants to move their product to AWS. They have the following things set up right now:

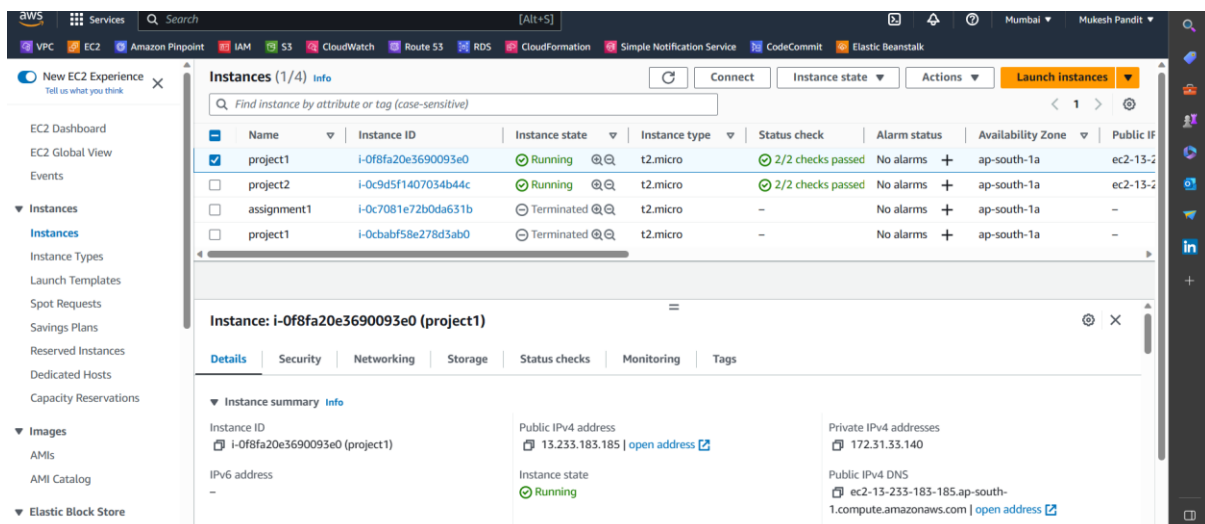
1. MySQL DB
2. Website (PHP)

The company wants high availability on this product, therefore wants Auto Scaling to be enabled on this website.

Steps To Solve:

1. Launch an EC2 Instance
2. Enable Auto Scaling on these instances (minimum 2)
3. Create an RDS Instance
4. Create Database & Table in RDS instance:
 - a. Database name: intel
 - b. Table name: data
 - c. Database password: intel123
5. Change hostname in website
6. Allow traffic from EC2 to RDS instance
7. Allow all-traffic to EC2 instance

FIRST EC2 instance install



Then we can chose to AMIS TO CONNECT EASY TO PHP AND MYSQL TO NEXT STEP.

LET CREATE A AUTO SCALING GROUP NOW TO POLICIES IN INSTANCE TYPE

EC2 > Auto Scaling groups > Create Auto Scaling group

Step 1
Choose launch template or configuration

Step 2
Choose instance launch options

Step 3 - optional
Configure advanced options

Step 4 - optional
Configure group size and scaling policies

Step 5 - optional
Add notifications

Step 6 - optional
Add tags

Step 7
Review

Choose launch template or configuration [Info](#)

Specify a launch template that contains settings common to all EC2 instances that are launched by this Auto Scaling group. If you currently use launch configurations, you might consider migrating to launch templates.

Name

Auto Scaling group name
Enter a name to identify the group.

PROJECT-SCALING GROUP

Must be unique to this account in the current Region and no more than 255 characters.

Launch template [Info](#) [Switch to launch configuration](#)

Launch template
Choose a launch template that contains the instance-level settings, such as the Amazon Machine Image (AMI), instance type, key pair, and security groups.

Select a launch template

Create a launch template [Create a launch template](#)

PROJECT2-AUTO-SCALING-GROUP2, 1 Scaling policy created successfully

EC2 > Auto Scaling groups

Auto Scaling groups (4) [Info](#) [Refresh](#) [Launch configurations](#) [Launch templates](#) [Actions](#) [Create Auto Scaling group](#)

Search your Auto Scaling groups

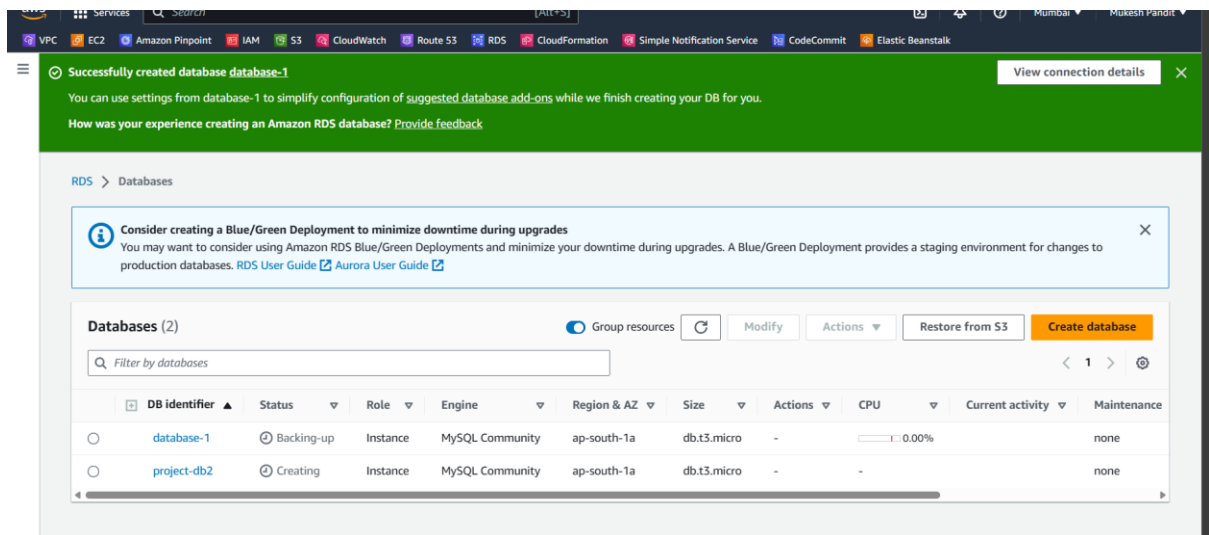
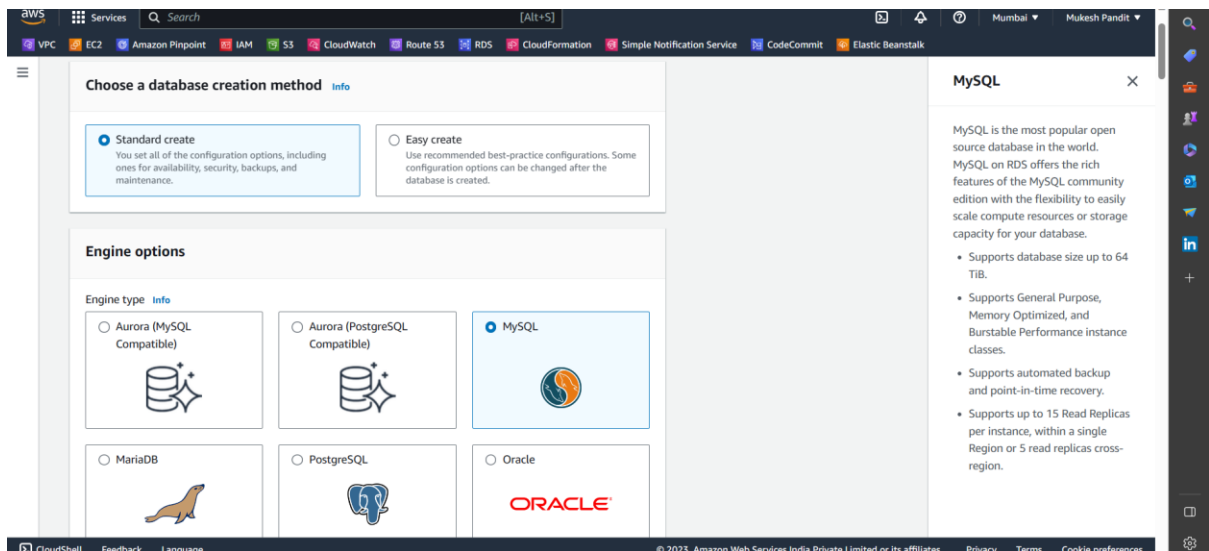
<input type="checkbox"/>	Name	Launch template/configuration	Instances	Status	Desired capacity	Min	Max	...
<input type="checkbox"/>	PROJECT2-AUTO-SCALING-GROUP2	PROJECT2-SCALING GROUP2	1	-	1	1	1	a...
<input type="checkbox"/>	PROJECT-SCALING-GROUP	PROJECT-SCALING GROUP2	1	-	1	1	1	a...

0 Auto Scaling groups selected

Select an Auto Scaling group

WHEN WE COMPLETE THE SCALING GROUP CREATED THEN GOR TO CONNECT WITH instance to RDS INSTANCE

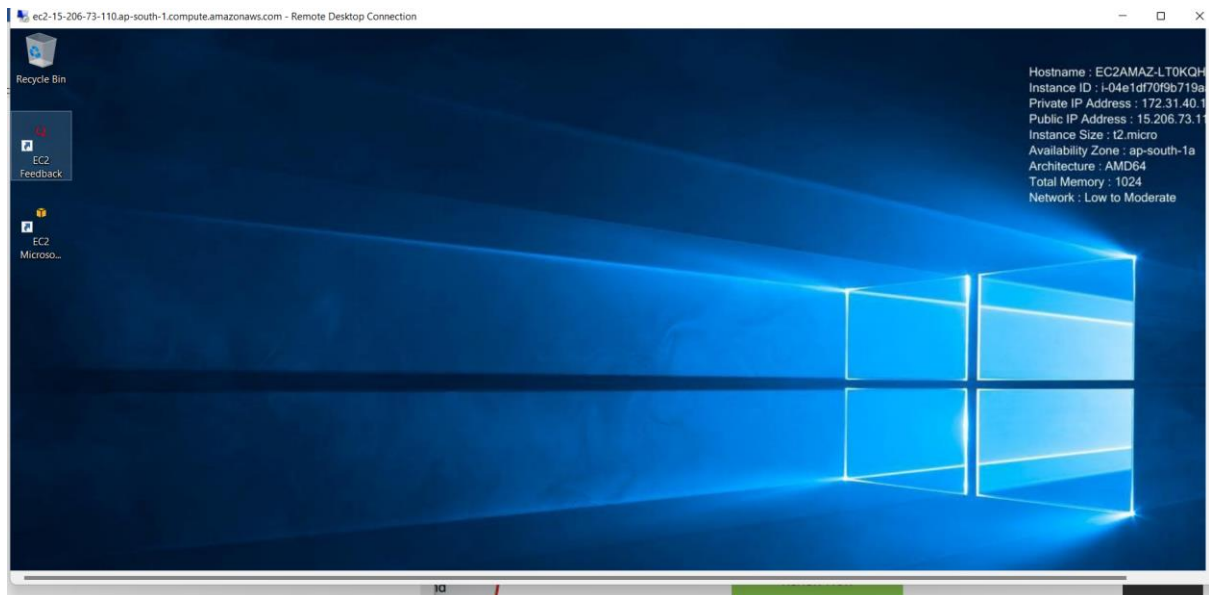
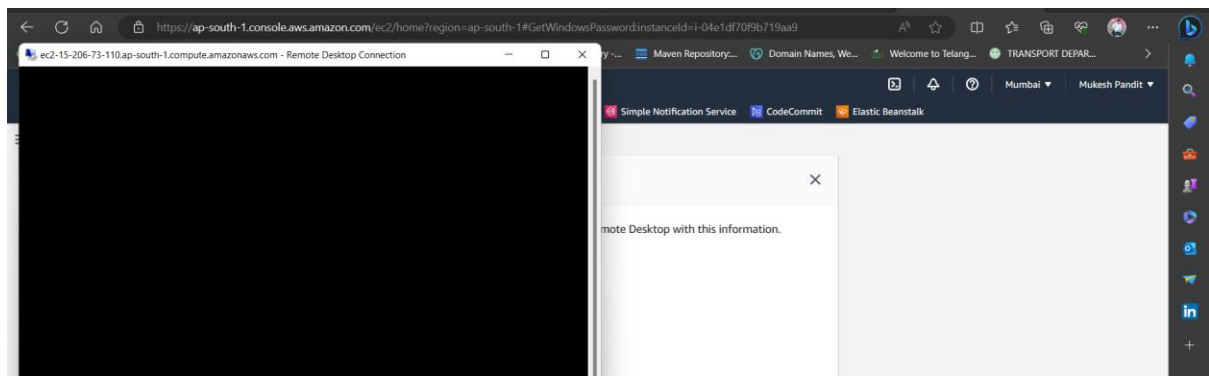
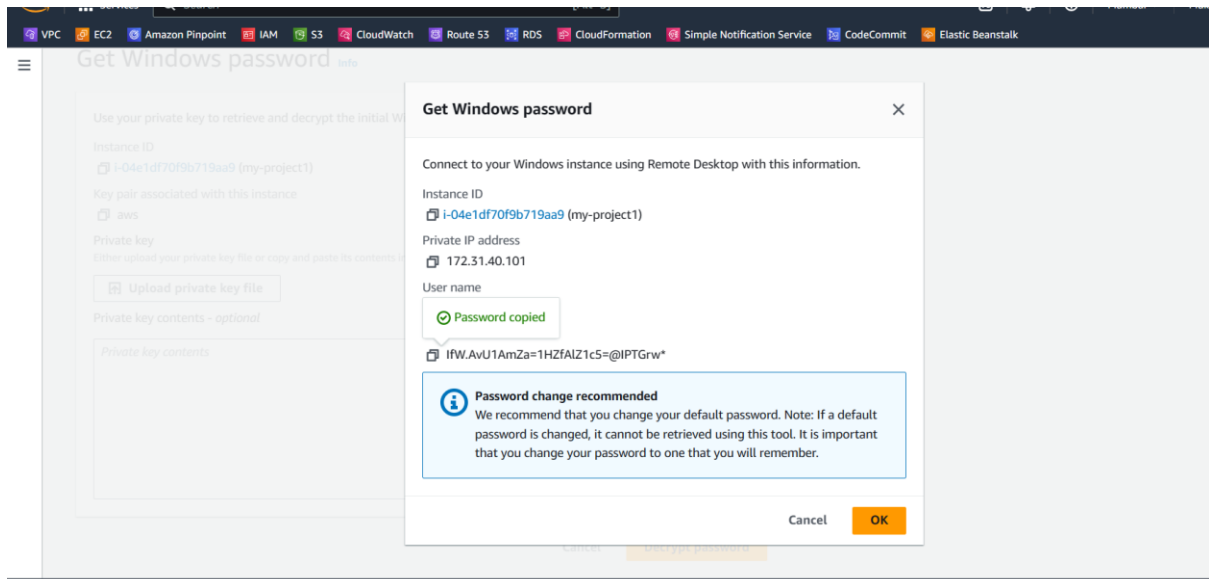
LAUNCH THE NEW RDS INSTANCE WITH MYSQL DATABASE TO CONNETED WITH INSTANCE



We have create db of ec2 with mysql

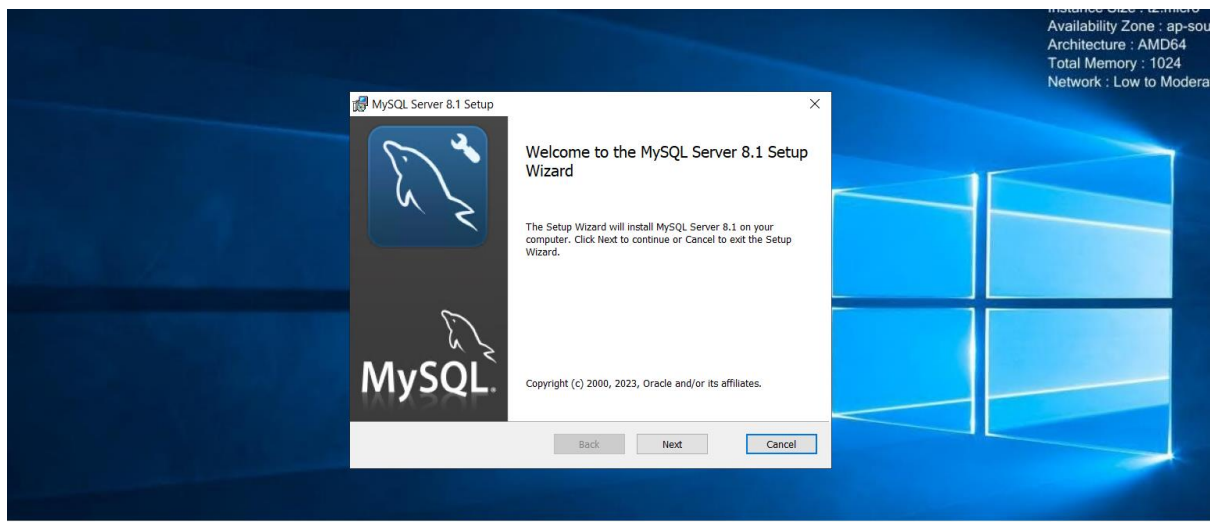
Lwr start to next step to create db intel

Now create a intel table database to create



Install the MYSQL COMMUNITY 8.0.1

INSTALL AND CONNECT WITH DATABASE AND CREATW A TABLE

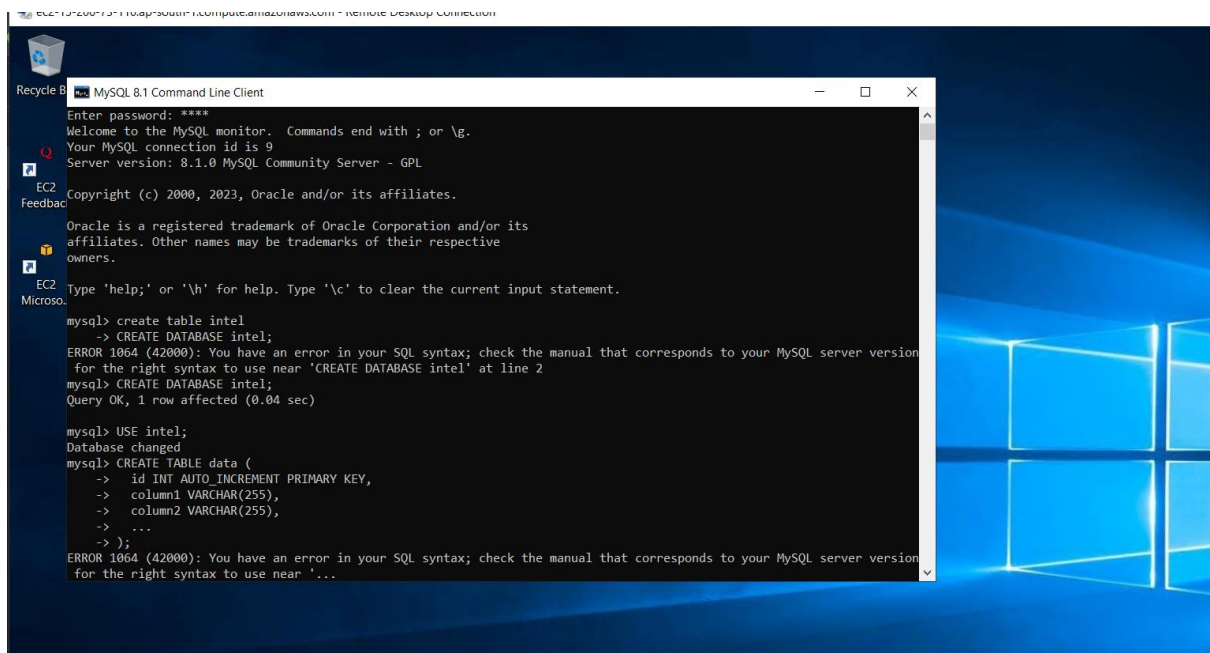


-- Connect to the "intel" database

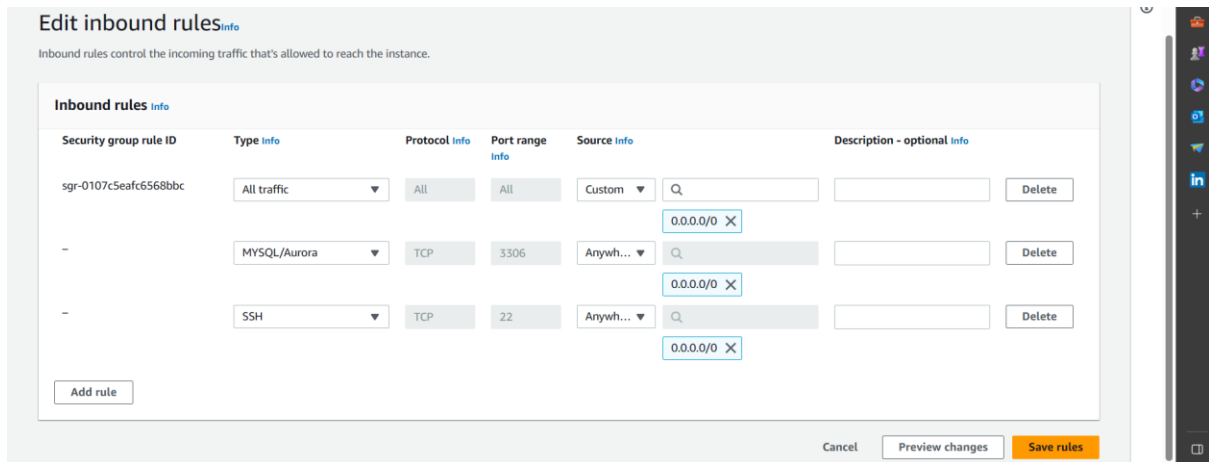
USE intel;

-- Create the "data" table

```
CREATE TABLE data (
  id INT AUTO_INCREMENT PRIMARY KEY,
  column1 VARCHAR(255),
  column2 VARCHAR(255)
);
```



When u create a table of then go to rds connect with mysql should connect each other



LET GO TO EC2 SSH INSTANCE TO PHP TO OPEN

LET OPEN THE EC2 FILE WITH RDS CONNECTED

CHECK WITH ALL SECURITY OF FILE TO CONNECT PROPLY WITH EC2 AND RDS TO CONNECT SSH
AFTER WORDS CONNECT WITH RDS WITH LINUX OR UBUNTU FILE TO CONNECT WITH RDS WITH PHP

SO WE GO TO PHP TO SSH FILE TO CONNECT TO COMMNAD TO RUN

*****COMPLETED ASSIGNMENT*****