Bansilal Ramnath Agarwal Charitable Trust's
VISHWAKARMA INSTITUTE OF TECHNOLOGY – PUNE

CLOUD COMPUTING

Branch	CS - AIML
Division	A
Batch	2
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Roll no	54
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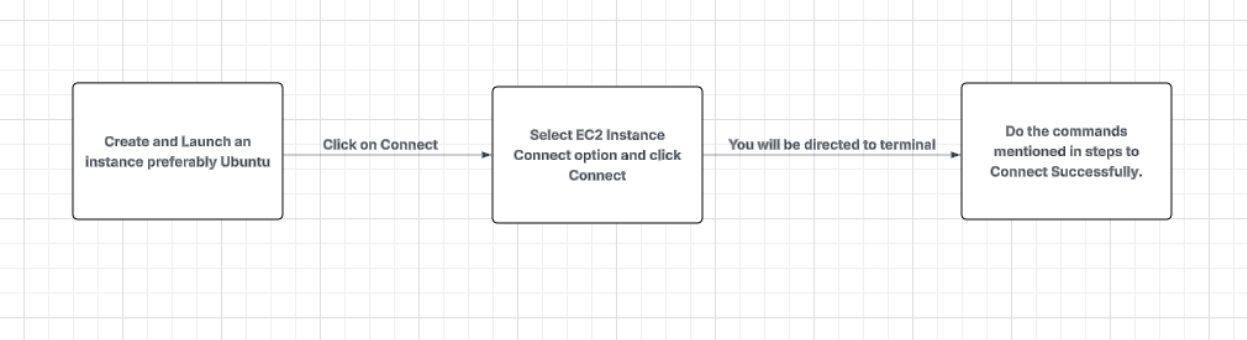
Experiment No. 04:

TITLE:
To use Infrastructure as a Service to facilitates for creating and deleting compute resources. Create network and attach volumes to run instances.

OBJECTIVES:

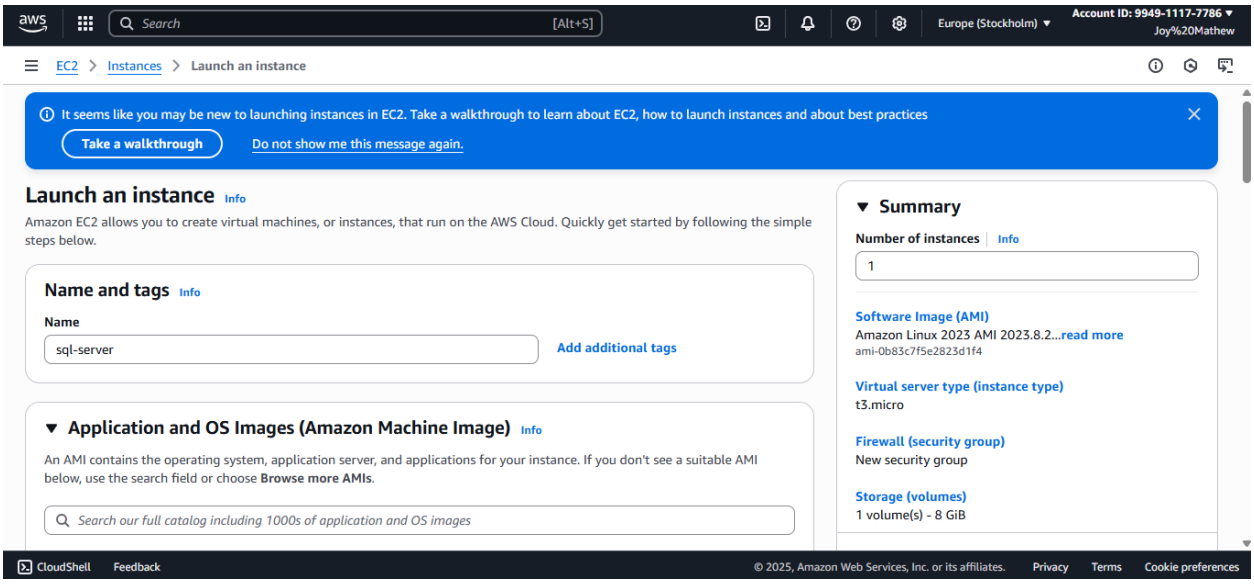
1) Create an AWS account and log in to the AWS Management Console.
2) Access the S3 service.
3) Create and configure an S3 bucket for storing files.
4) Upload and manage data in the bucket.

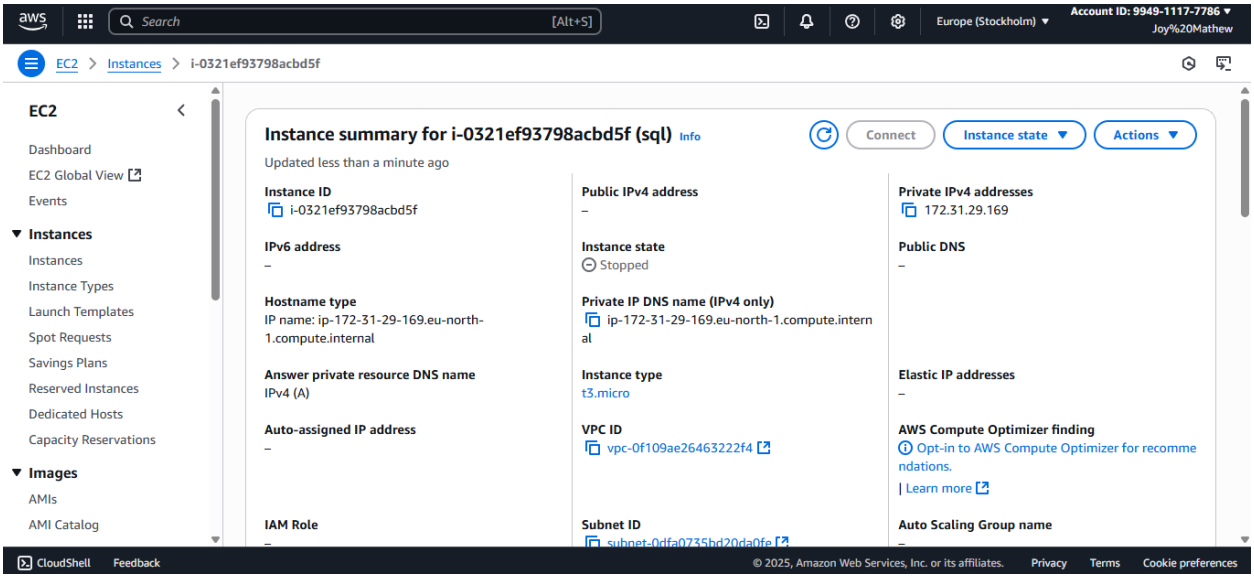
Flowchart:



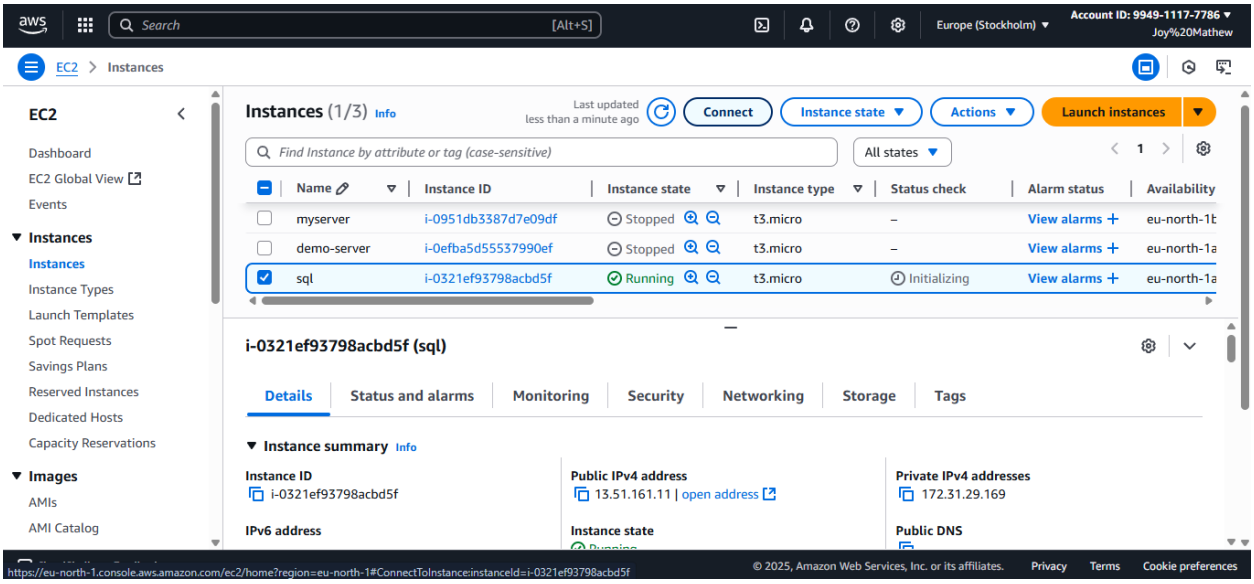
Steps:

1) Create and Launch an Instance

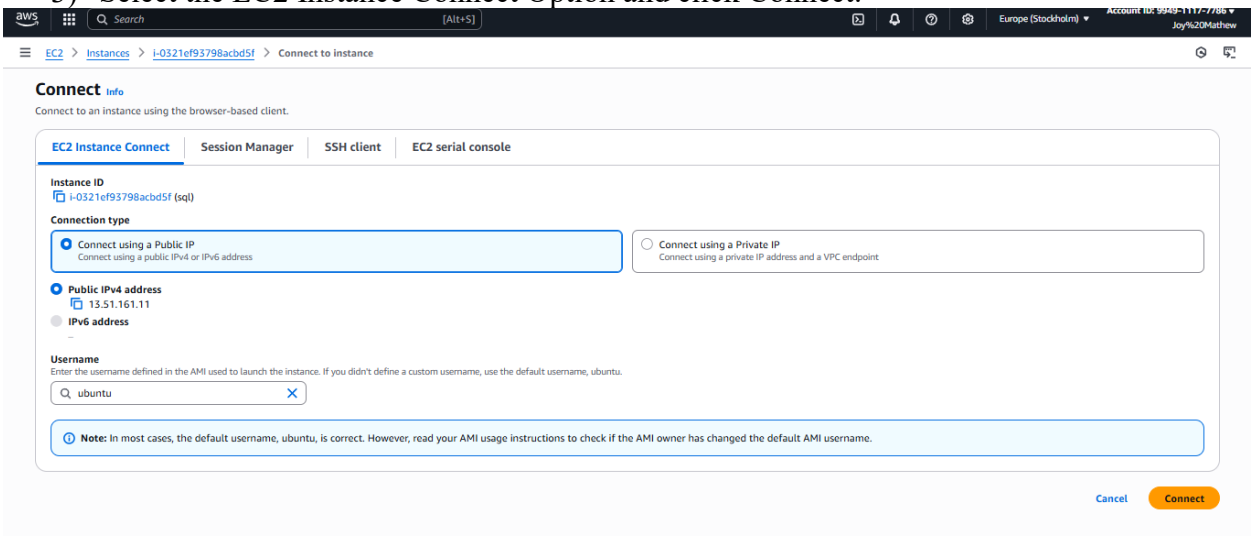




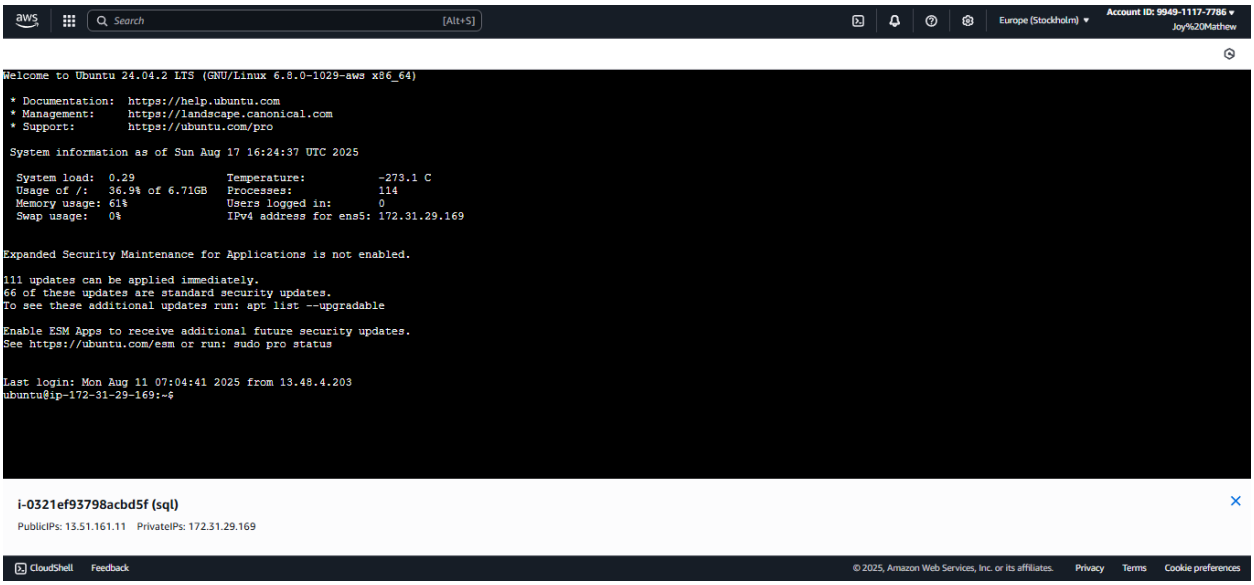
2) Select the instance and click on connect



3) Select the EC2 Instance Connect Option and click Connect.



4) After that you will be directed to the terminal



5) Perform the following commands:

Step 1: Update the system
sudo apt update
Step 2: Install MySql
sudo apt install mysql-server
Step 3: Check the Status of MySql (Active or Inactive)
sudo systemctl status mysql
Step 4: Login to MySql as a root
sudo mysql
Step 5: Update the password for the MySql Server
ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'place-your-password-here';
FLUSH PRIVILEGES;
Step 6: Test the MySql server if it is working by running sample sql queries
CREATE DATABASE mysql_test;
USE mysql_test;
CREATE TABLE table1 (id INT, name VARCHAR(45));
INSERT INTO table1 VALUES(1, 'Virat'), (2, 'Sachin'), (3, 'Dhoni'), (4, 'ABD');
SELECT * FROM table1;

6) After these steps your database will be connected.

```
mysql> CREATE DATABASE mysql_test;
Query OK, 1 row affected (0.01 sec)

mysql> USE mysql_test
Database changed
mysql> CREATE TABLE table1 (id INT, name VARCHAR(45));
Query OK, 0 rows affected (0.03 sec)

mysql> INSERT INTO table1 VALUES(1,'Virat'),(2,'Sachin'),(3,'Dhoni');
Query OK, 3 rows affected (0.01 sec)
Records: 3  Duplicates: 0  Warnings: 0

mysql> SELECT * FROM table1;
+------+--------+
| id   | name   |
+------+--------+
|    1 | Virat  |
|    2 | Sachin |
|    3 | Dhoni  |
+------+--------+
3 rows in set (0.00 sec)
```

```
No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-29-169:~$ sudo systemctl status mysql
● mysql.service - MySQL Community Server
     Loaded: loaded (/usr/lib/systemd/system/mysql.service; enabled; preset: enabled)
     Active: active (running) since Mon 2025-08-11 07:12:31 UTC; 40s ago
    Process: 2587 ExecStartPre=/usr/share/mysql/mysql-systemd-start pre (code=exited, status=0/SUCCESS)
   Main PID: 2595 (mysqld)
     Status: "Server is operational"
      Tasks: 38 (limit: 1072)
     Memory: 351.3M (peak: 377.8M)
        CPU: 1.069s
     CGroup: /system.slice/mysql.service
             └─2595 /usr/sbin/mysqld

Aug 11 07:12:30 ip-172-31-29-169 systemd[1]: Starting mysql.service - MySQL Community Server...
Aug 11 07:12:31 ip-172-31-29-169 systemd[1]: Started mysql.service - MySQL Community Server.
ubuntu@ip-172-31-29-169:~$ sudo mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
```

i-0321ef93798acbd5f (sql)

PublicIPs: 13.60.209.27 PrivateIPs: 172.31.29.169