Cloud (AWS) - Task 1

Deploy applications in monolithic and microservices architecture

Description:

Task 1: For microservices: 2 EC2 instances, 1 for WordPress and

EC2 instances, 1 for MYSQL.

Task 2: For monolith: 1 EC2 instance, deploy WordPress and MYSQL on the same instances

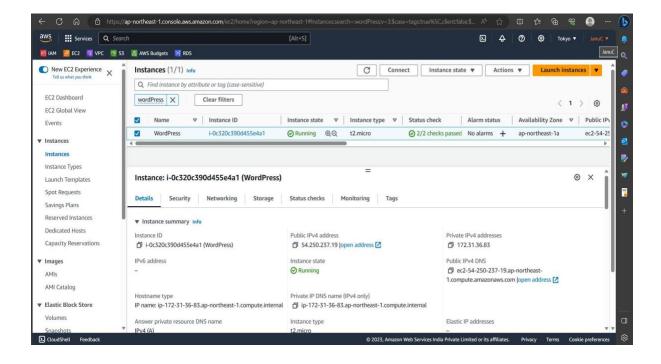
- Configure the necessary security group for the instances
- EC2 instance type: t2-micro, AMI: ubuntu-*

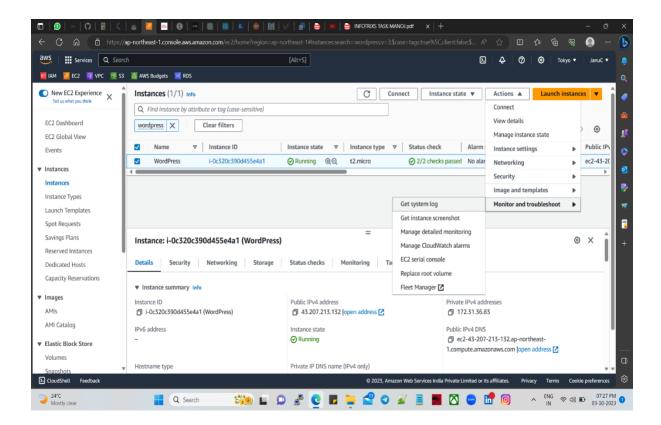
Task 1

- 1) For Microservice: 2 EC2 instances, 1 for WordPress and 1 for MYSQL
 - i) 1 EC2 instance for WordPress

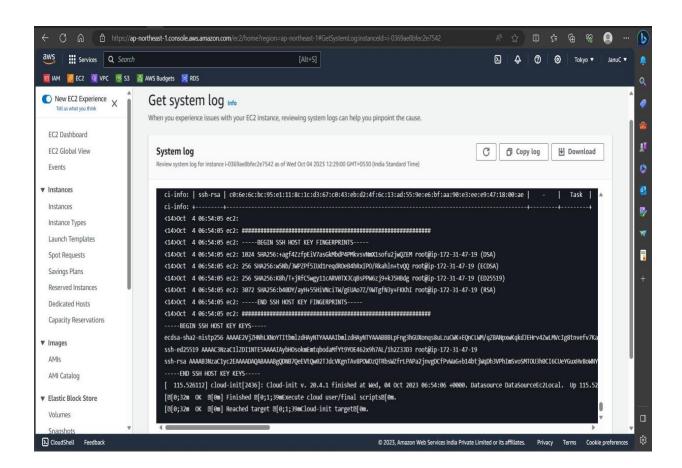
Create a WordPress instance Launch

Click actions and monitor troubleshoot and access Get the system log

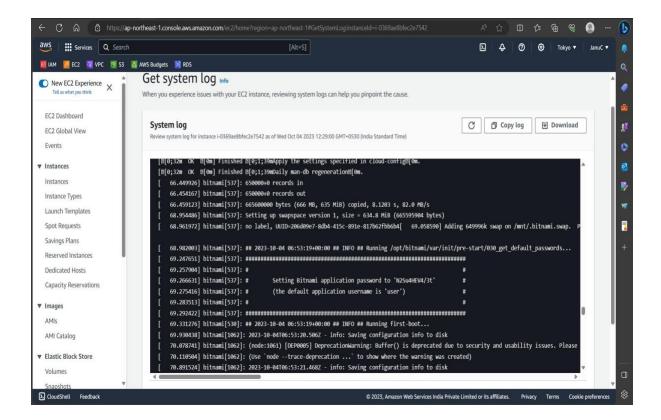




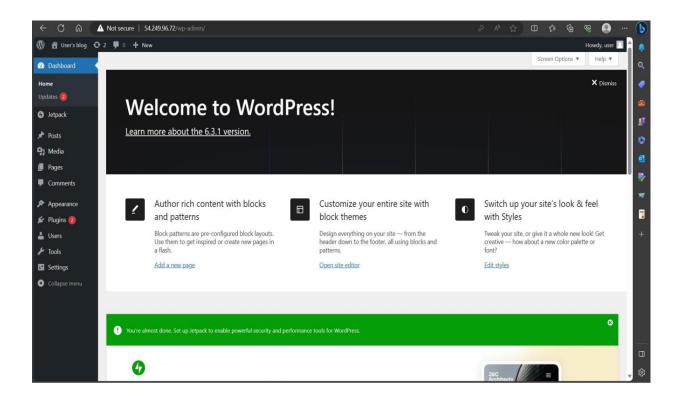
Get system log



Check the password for the WordPress login



Dashboard showing in WordPress



i) 1 EC2 instance for MYSQL

Create a MYSQL Server instance Launch

Command:

sudo apt update sudo apt install mysql-server sudo systemctl status mysql sudo mysql ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'Janu@24';

CREATE DATABASE mysql test;

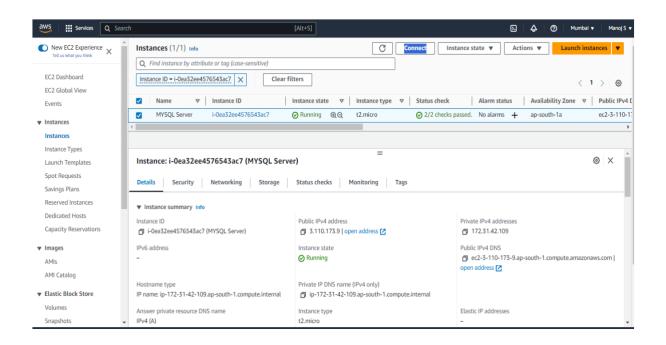
USE mysql_test;

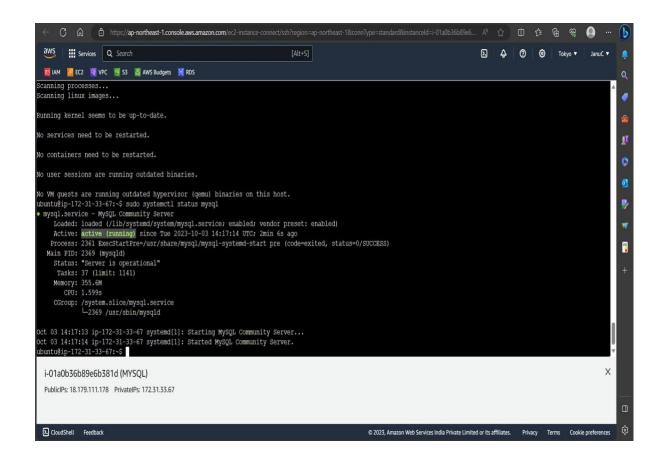
CREATE TABLE table1 (id INT, name VARCHAR(45));

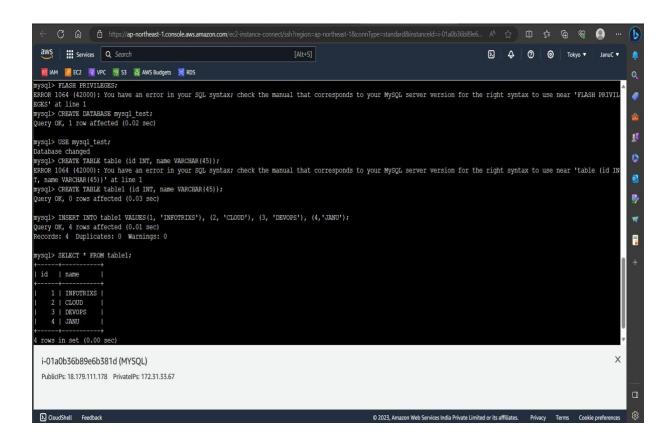
INSERT INTO table1 VALUES(1, 'INFOTRIXS'), (2, 'CLOUD'), (3, 'DEVOPS'),

(4, 'JANU');

SELECT * FROM table1;



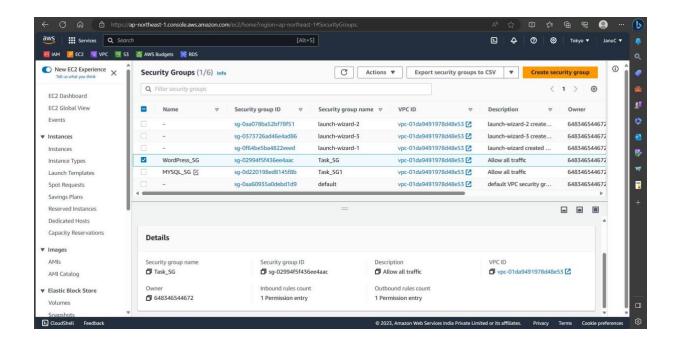


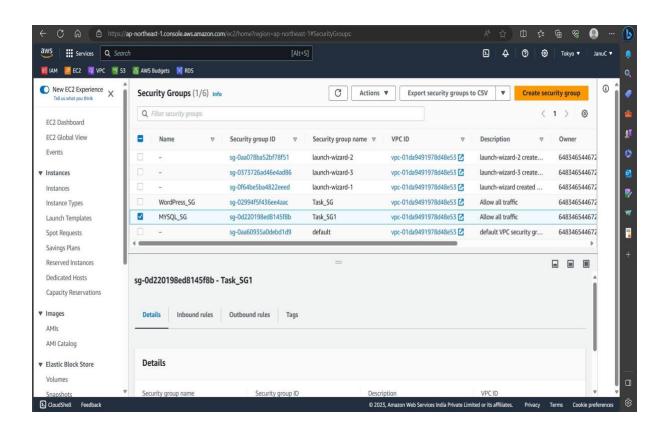


Task - 2

i) For Monolith: 1 EC2 instance, deploy WordPress and MYSQL on the same instances

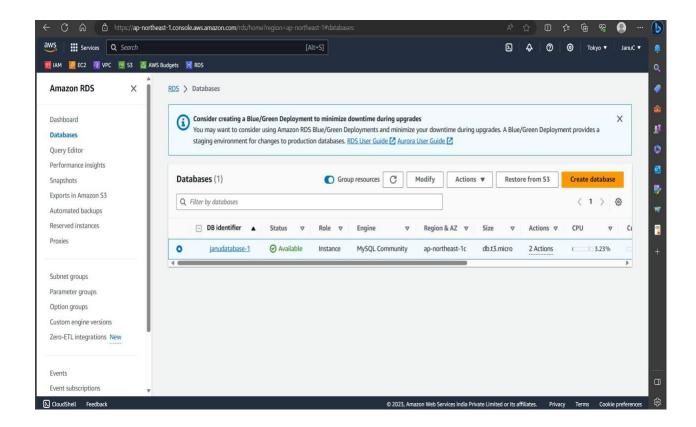
Create 2 Security Groups







Create Database



Commands:

sudo apt update sudo apt install apache2 sudo systemctl start apache2 sudo apt-get install software-properties-common -y sudo apt-get install php libapache2-mod-php php-mysql php-curl phpgd php-json php-zip

sudo wget h ttps://wordpress.org/latest.tar.gz sudo tar -xvzf latest.tar.gz sudo cp wp-config-sample.php wp-config.php sudo chown -R www-data:www-data/var/www/WordPress sudo cd /var/www/wordpress sudo vim wp-config.php

sudo a2ensite wordpress.conf sudo a2enmod rewrite sudo apache2ctl configtest sudo service apache2 restart

