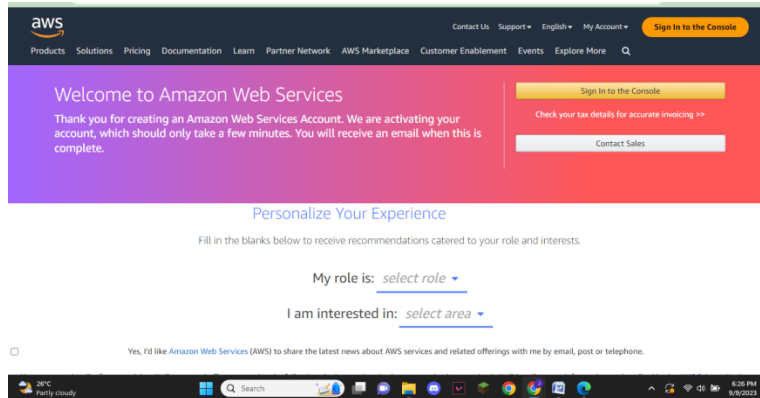


Report

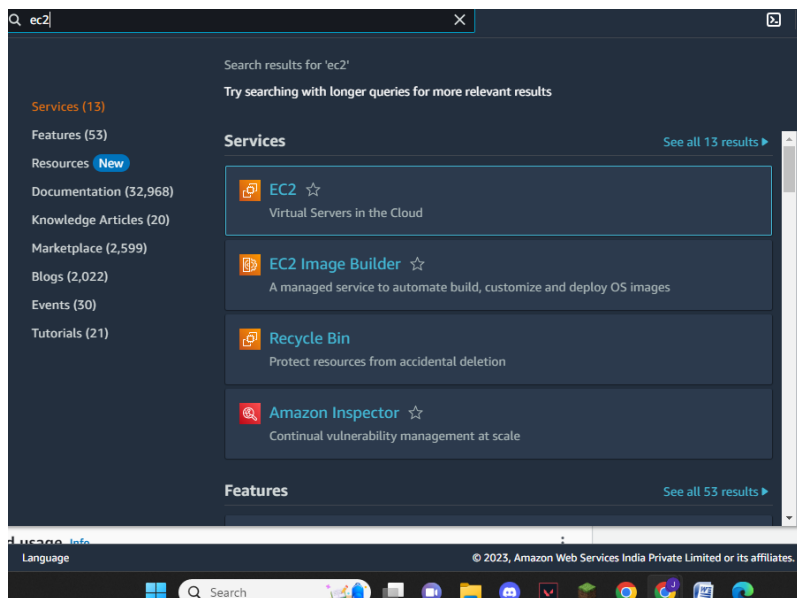
Firstly, I Created your free-tier AWS account.

Links and Resources that was Google and Youtube which was the greatest help for me

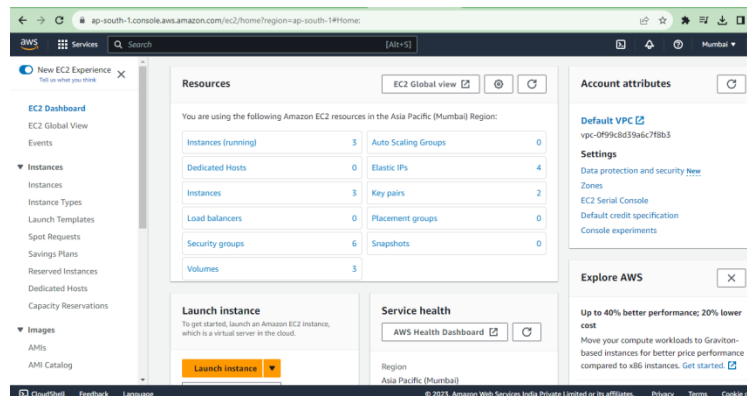
->signed into AWS management console.



->searched EC2(virtual server in the cloud).



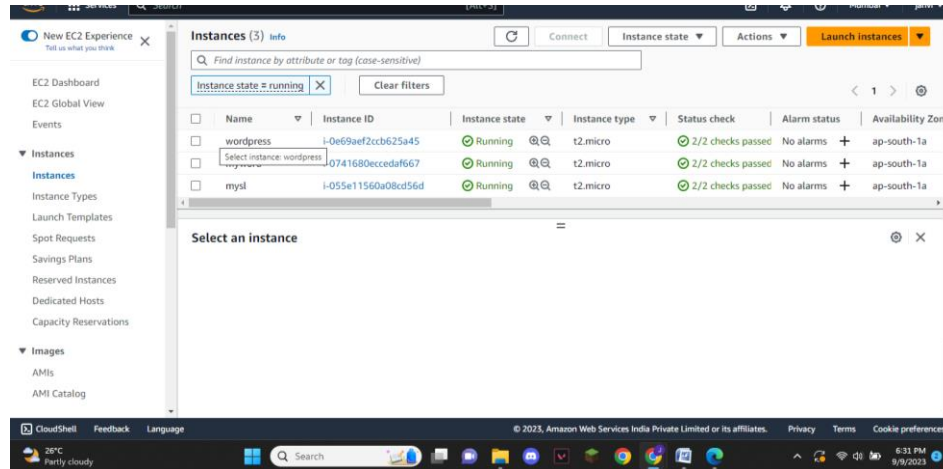
-> In EC2 dashboard launched instances with the selected region



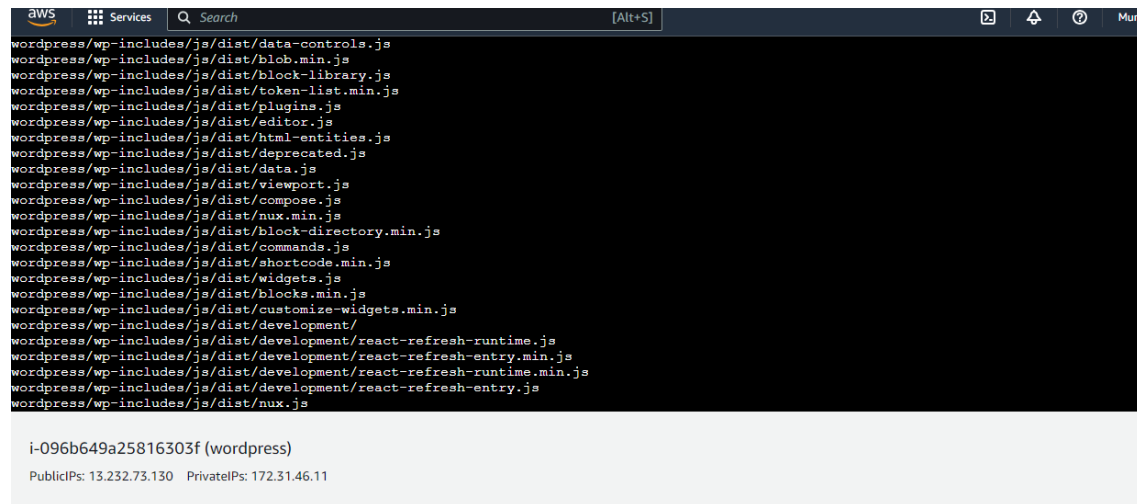
Created 1 EC2 instance, deploy wordpress and MYSQL on the same instances for monolithic. 2 EC2 instance, 1 for wordpress and 1 for MYSQL for microservice.

with- EC2 instance type: t2-micro, AMI: ubuntu.

Configured the necessary security group for the instances for wordpress and mysql



After then Connected EC2 instances via SSH.

The image shows a screenshot of an AWS console window. The top part of the window displays a list of files from a WordPress installation, including various JavaScript files in the 'wp-includes/js/dist' directory. The bottom part of the window shows the details of an EC2 instance named 'i-096b649a25816303f (wordpress)', including its public and private IP addresses.

```
aws Services [Alt+S] Mum
wordpress/wp-includes/js/dist/data-controls.js
wordpress/wp-includes/js/dist/blob.min.js
wordpress/wp-includes/js/dist/block-library.js
wordpress/wp-includes/js/dist/token-list.min.js
wordpress/wp-includes/js/dist/plugins.js
wordpress/wp-includes/js/dist/editor.js
wordpress/wp-includes/js/dist/html-entities.js
wordpress/wp-includes/js/dist/deprecated.js
wordpress/wp-includes/js/dist/data.js
wordpress/wp-includes/js/dist/viewport.js
wordpress/wp-includes/js/dist/compose.js
wordpress/wp-includes/js/dist/nux.min.js
wordpress/wp-includes/js/dist/block-directory.min.js
wordpress/wp-includes/js/dist/commands.js
wordpress/wp-includes/js/dist/shortcode.min.js
wordpress/wp-includes/js/dist/widgets.js
wordpress/wp-includes/js/dist/blocks.min.js
wordpress/wp-includes/js/dist/customize-widgets.min.js
wordpress/wp-includes/js/dist/development/
wordpress/wp-includes/js/dist/development/react-refresh-runtime.js
wordpress/wp-includes/js/dist/development/react-refresh-entry.min.js
wordpress/wp-includes/js/dist/development/react-refresh-runtime.min.js
wordpress/wp-includes/js/dist/development/react-refresh-entry.js
wordpress/wp-includes/js/dist/nux.js

i-096b649a25816303f (wordpress)
PublicIPs: 13.232.73.130 PrivateIPs: 172.31.46.11
```

Runned these commands for Monolithic and Microservice architecture.

```
#sudo apt update
```

3. Install MySQL.

```
sudo apt install mysql-server
```

4. Create a MySQL user and database for WordPress.

5. sudo mysql -u root

```
CREATE DATABASE wordpress;
CREATE USER wordpress@localhost IDENTIFIED BY 'password';
GRANT ALL PRIVILEGES ON wordpress.* TO wordpress@localhost;
```

5. Exit MySQL.

```
exit
```

6. Download the WordPress installation files.

```
wget https://wordpress.org/latest.tar.gz
```

7. Extract the WordPress files.

```
tar -xvf latest.tar.gz
```

8. Move the WordPress files to the web root directory.

```
sudo mv wordpress/ /var/www/html/
```

9. Configure WordPress.

Open the `wp-config.php` file in a text editor and update the following settings:

10. Start the Apache web server.

11. create a welcome page by following these steps:

1. Log in to the WordPress admin dashboard.
2. Go to Pages > Add New.
3. Enter a title for the page.
4. In the content editor, enter the following text:

```
<h1>Welcome to our website!</h1>
```

This is the welcome page of our website. You can learn more about us by visiting our other pages.

5. Click on the Publish button.

The welcome page will now will be shown on website.

