Name: Bolubanda Venkatesh

Task:

Deploy application in monolithic and microservices architecture

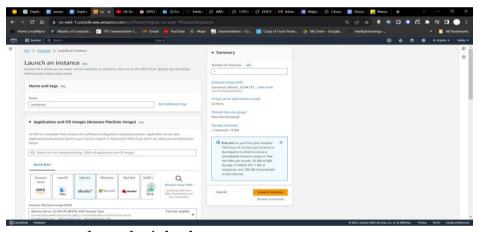
For monolithic: 1 EC2 instance, deploy wordpress and MYSQL on the same instances - For microservices: 2 EC2 instance, 1 for wordpress and 1 for MYSQL

Instance specifications:

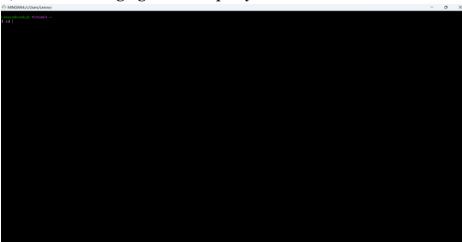
Os: Ubuntu

1, creating instance

Take ubuntu as os t2 Micro, and launch instance



2, connect through git bash or putty



Installing apache server on ec2

• sudo apt install apache2

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Setting up mine support (3,66) ...

Setting up libaprutil-1-dap; andoid (1.6.1-Subuntu4.22.04.2) ...

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Setting up macker_up (2.4.52-bubuntu4.7) ...

Setting up macker_up (2
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Installing PHP and MYSQL connector

• sudo apt install php libapache2-mod-php php-mysql

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Creating config file /etc/php/8.1/mods-available/sockets.ini with new version

Creating config file /etc/php/8.1/mods-available/sysvmsg.ini with new version

Creating config file /etc/php/8.1/mods-available/sysvsmsg.ini with new version

Creating config file /etc/php/8.1/mods-available/sysvsms.ini with new version

Creating config file /etc/php/8.1/mods-available/sysvsms.ini with new version

Creating config file /etc/php/8.1/mods-available/sysvsm.ini with new version

Creating config file /etc/php/8.1/mods-available/mysqind.ini with new version

Creating config file /etc/php/8.1/mods-available/mysqind.ini with new version

Creating config file /etc/php/8.1/mods-available/mysqil.ini with new version

Creating config file /etc/php/8.1/mods-available/mysqil.ini with new version

Creating config file /etc/php/8.1/mods-available/mysqil.ini with new version

Setting up php8.1-creatine (8.1.2-lubuntu2.14) ...

Creating config file /etc/php/8.1/mods-available/opcache.ini with new version

Setting up php8.1-copcache (8.1.2-lubuntu2.14) ...

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Setting up php8.1-copcache (8.1.2-lubuntu2.14) ...

Creating config file /etc/php/8.1/apache2/php.ini with new version

Setting up php8.1 (8.1.2-lubuntu2.14) ...

Creating config file /etc/php/8.1/apache2/php.ini with new version

Setting up php8.1 (8.1.2-lubuntu2.14) ...

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Installing MYSQL server

• sudo apt install mysql-server

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Setting up Tibapache2-mod-php6.1 (8.1.2-lubuntu2.14) ...

Creating config file /etc/php/8.1/spache2/php.ini with new version Module mpm.cevent disable oil.

Buncevent disable oil.

Setting up phg.1 (8.1.2-lubuntu2.14) ...

Setting up phg.2 (8.1.2-lubuntu2.14) ...

Setting up phg.2
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Login to MySQL server

• sudo mysql -u root

Change authentication plugin to mysql_native_password

• ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password by 'venky123';

Create a new database user for wordpress

• CREATE USER 'wp_user'@localhost IDENTIFIED BY 'venky123';

Create a database for wordpress

CREATE DATABASE wordpress;

Grant all privilges on the database 'wordpress' to the newly created user

• GRANT ALL PRIVILEGES ON wp.* TO 'wordpress user'@localhost;

Download wordpress:

- cd /tmp
- wget https://wordpress.org/latest.tar.gz

Unzip

• tar -xvf latest.tar.gz

Move wordpress folder to apache document root

• sudo mv wordpress//var/www/html

restart/reload apache server

sudo systemctl restart apache2

