(2a) How to deploy 1 EC2 instance, wordpress and MySQL on the same instance? *monolithic architecture*

EC2 instance type : t3-micro, AMI-ubuntu*

① Sign into Amazon Management Console.

② Go to EC2 dashboard.

③ Launch an instance (EC2) using AMI - ubuntu.

④ Allow SSH from Anywhere. as well as HTTPS and HTTP and click on the 'launch Instance' option.

⑤ Wait for the status check to be 2/2.

⑥ Then select 'wordpress mono' instance and click on 'Connect' option.

⑦ Once connected to SSH client, run the following commands:

≫ sudo su
# This takes you to the root user.

≫ apt update
# to update the package index.

≫ apt install mysql-server -y
# to install MySQL

≫ mysql -u root -p
# set a root password for MySQL.
pw: password

≫ mysql_secure_installation
Return to root user and secure the connection.

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≫ Would you like to setup validate password component ? Y

password validation level : 2

≫ Remove anonymous users : Y

≫ Disallow root login remotely : Y

≫ Remove TestBB & ats access : Y

≫ Reload privilege tables : Y.

# Next install Apache2 :

≫ apt install apache2 -y

# Then install required modules of PHP:

≫ apt install php libapache2-mod-php
php-mysql -y

≫ systemctl restart apache2

# restart Apache for the changes to take effect.

```
# Download and install Wordpress.

>> cd /var/www/html.
# open the Apache root directory

>> wget https://wordpress.org/latest.tar.gz
# download the latest version of wordpres.

>> tar -xzvf latest.tar.gz
# extract the wordpress archive

>> chown -R www-data:www-data
               /var/www/html/wordpres

# set permission

con
```

8. Configure Apache for wordpress by creating a virtual host configuration file.

    Server name : wordpress.

    Server Alias : wordpress

    Server Admin : webmaster@wordpress.local

    Document Root : /var/www/wordpress.

9. Enable config file and restart Apache.

    >> a2ensite wordpress.conf

    >> systemctl restart apache 2.

10. Set up MySQL database for Wordpress

    >> msql -u root -p

    >> Enter root password ⇒ password.

    >> create database wordpress;

# create database and MySQl user.

>> Create user `wpadmin`@`localhost` identified by `Techplement@1`;

# grant privileges.

>> Grant all privileges on wordpress.* to `wpadmin`@`localhost`;

>> Flush privileges;

>> exit;

~~#~~ flush privileges & exit

10. Return to apache directory to remove index.html file.

>> cd /var/www/html

>> ls

>> rm -rf index.html

11. Move wordpress files to Apache document root :

>> mv /var/www/html/wordpress/*
            /var/www/html .

>> chown -R www-data : www-data
                    /var/www/html/

# Set permission

12. Configure Wordpress to connect to MySQL by editing wp-config.php wp-config-sample.php

12. Complete wordpress installation by pasting your public domain Ip onto the web browser.

13. Enter the DB details which you configured in MySQL database.

14. Login to Wordpress admin dashboard and customise your site.

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