

WordPress Cloud Deployment Report

1. Project Overview

This project involved deploying and hosting a WordPress website on an AWS EC2 instance running Ubuntu. Using MobaXterm, I accessed the server via SSH, installed required packages, configured the web server, and ensured the WordPress site was accessible online.

2. Tools & Technologies Used

- AWS EC2 (Ubuntu 22.04)
- MobaXterm
- Apache Web Server
- MySQL Server
- PHP 8.x
- WordPress CMS

3. Deployment Steps

1. Launched an EC2 instance using Ubuntu 22.04.
2. Accessed the server via MobaXterm (SSH).
3. Updated and upgraded packages using apt.
4. Installed Apache, MySQL, PHP.
5. Configured MySQL database for WordPress.
6. Downloaded and installed WordPress in /var/www/html.
7. Set permissions and created virtual host configuration.
8. Enabled the virtual host and restarted Apache.
9. Completed the WordPress installation via web browser.

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4. Sample Virtual Host Configuration

```
<VirtualHost *:80>

    ServerAdmin webmaster@localhost

    DocumentRoot /var/www/html

    ServerName your-domain.com

    <Directory /var/www/html>

        AllowOverride All

    </Directory>

    ErrorLog ${APACHE_LOG_DIR}/error.log

    CustomLog ${APACHE_LOG_DIR}/access.log combined

</VirtualHost>
```

5. README for Deployment

To deploy this project:

- Ensure your EC2 security group allows HTTP (port 80).
- Use MobaXterm or any SSH client to connect to the server.
- Follow the steps in this report for installation and configuration.
- Replace 'your-domain.com' in the virtual host file with your actual domain.
- Ensure DNS records point to the EC2 public IP.

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