

Deployment of WordPress and MySQL

- Resources used in AWS

- EC2

- VPC

- Documentation Referred

- <https://ubuntu.com/tutorials/install-and-configure-wordpress#1-overview>

Ec2 Instance for WordPress and Mysql

The screenshot displays the AWS Management Console for the 'us-east-1' region. The main content area shows a list of EC2 instances under the heading 'Instances (1) Info'. A single instance is listed with the following details:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
Wordpress an...	i-0ae2d3dc383dd09f7	Running	t2.micro	2/2 checks passed	No alarms	us-east-1a	ec2-34-205-89-228...

The left sidebar contains navigation links for 'Instances', 'Images', and 'Elastic Block Store'. The top navigation bar includes the AWS logo, a search bar, and the current region 'N. Virginia'. The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating the time is 20:17 on 06-10-2023.

Instance Info

Instance details | EC2 | us-east-1 x Instance details | EC2 | us-east-1 x VPC Console

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#InstanceDetails:instanceId=i-0ae2d3dc383dd09f7

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AMIs
AMI Catalog

▼ Elastic Block Store

CloudShell Feedback

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20:18 06-10-2023

Instance summary for i-0ae2d3dc383dd09f7 (Wordpress and Mysql) Info

Updated less than a minute ago

Connect Instance state Actions

Instance ID i-0ae2d3dc383dd09f7 (Wordpress and Mysql)	Public IPv4 address 34.205.89.228 open address	Private IPv4 addresses 10.10.1.79
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-34-205-89-228.compute-1.amazonaws.com open address
Hostname type IP name: ip-10-10-1-79.ec2.internal	Private IP DNS name (IPv4 only) ip-10-10-1-79.ec2.internal	Elastic IP addresses -
Answer private resource DNS name -	Instance type t2.micro	AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. Learn more
Auto-assigned IP address 34.205.89.228 [Public IP]	VPC ID vpc-01423cf2a67d2e997 (wordpress and mysql-vpc) open address	Auto Scaling Group name -
IAM Role -	Subnet ID subnet-00834082f46ba9218 (wordpress and mysql-subnet-public1-us-east-1a) open address	
IMDSv2 Optional		

Login to EC2 Instance with cmd

```
ubuntu@ip-10-10-10-106: ~  
C:\Users\vamsi>ssh -i Downloads\aws.pem ubuntu@18.235.2.247  
The authenticity of host '18.235.2.247 (18.235.2.247)' can't be established.  
ED25519 key fingerprint is SHA256:gpDF1jld3LD+1LDGvhREIV25J2No5Ggg/gXY+ZLDOVE.  
This key is not known by any other names  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
Warning: Permanently added '18.235.2.247' (ED25519) to the list of known hosts.  
Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 5.19.0-1028-aws x86_64)  
  
 * Documentation:  https://help.ubuntu.com  
 * Management:    https://landscape.canonical.com  
 * Support:       https://ubuntu.com/advantage  
  
System information as of Fri Oct  6 12:47:02 UTC 2023  
  
System load:  0.0          Processes:           94  
Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 5.19.0-1028-aws x86_64)  
  
 * Documentation:  https://help.ubuntu.com  
 * Management:    https://landscape.canonical.com  
 * Support:       https://ubuntu.com/advantage  
  
System information as of Fri Oct  6 12:47:02 UTC 2023  
  
System load:  0.0          Processes:           94  
Usage of /:    20.6% of 7.57GB   Users logged in:    0  
Memory usage: 24%            IPv4 address for eth0: 10.10.10.106  
Swap usage:   0%  
  
Expanded Security Maintenance for Applications is not enabled.  
  
0 updates can be applied immediately.  
  
Enable ESM Apps to receive additional future security updates.  
See https://ubuntu.com/esm or run: sudo pro status  
  
The list of available updates is more than a week old.  
To check for new updates run: sudo apt update  
  
The programs included with the Ubuntu system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by  
applicable law.  
  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
ubuntu@ip-10-10-10-106:~$ |
```

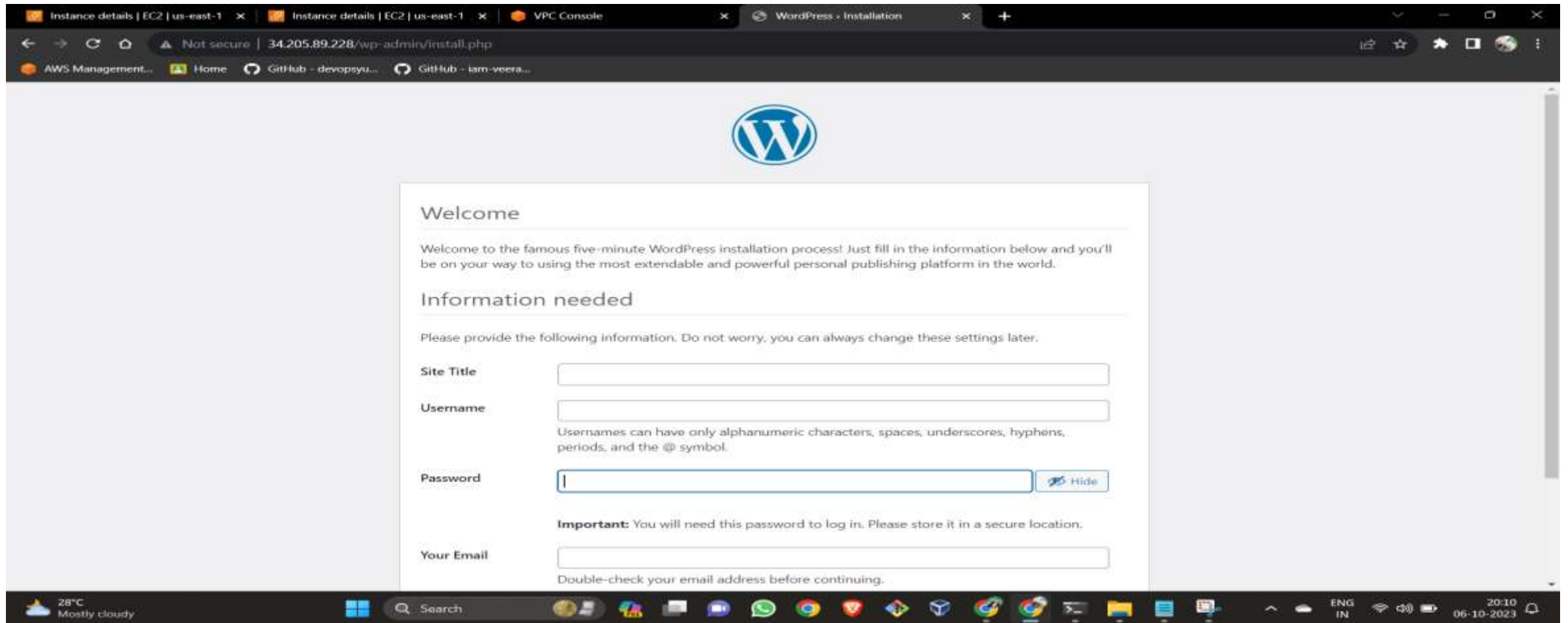
31°C Mostly sunny Search 18:17 06-10-2023

Mysql Installation

```
root@ip-10-10-1-79: ~  
No services need to be restarted.  
No containers need to be restarted.  
No user sessions are running outdated binaries.  
No VM guests are running outdated hypervisor (qemu) binaries on this host.  
root@ip-10-10-1-79:~# d  
root@ip-10-10-1-79:~# dpkg -l | grep mysql  
ii  mysql-client-8.0      8.0.34-0ubuntu0.22.04.1      amd64      MySQL database client binaries  
ii  mysql-client-core-8.0 8.0.34-0ubuntu0.22.04.1      amd64      MySQL database core client binari  
es  
ii  mysql-common          5.8+1.0.8                    all        MySQL database common files, e.g.  
/etc/mysql/my.cnf  
ii  mysql-server          8.0.34-0ubuntu0.22.04.1      all        MySQL database server (metapackag  
e depending on the latest version)  
ii  mysql-server-8.0      8.0.34-0ubuntu0.22.04.1      amd64      MySQL database server binaries an  
d system database setup  
ii  mysql-server-core-8.0 8.0.34-0ubuntu0.22.04.1      amd64      MySQL database server binaries  
ii  php-mysql             2:8.1+92ubuntu1             all        MySQL module for PHP [default]  
ii  php8.1-mysql          8.1.2-1ubuntu2.14           amd64      MySQL module for PHP  
root@ip-10-10-1-79:~# dpkg -l | grep apache  
ii  apache2              2.4.52-1ubuntu4.6           amd64      Apache HTTP Server  
ii  apache2-bin           2.4.52-1ubuntu4.6           amd64      Apache HTTP Server (modules and o  
ther binary files)  
ii  apache2-data          2.4.52-1ubuntu4.6           all        Apache HTTP Server (common files)  
ii  apache2-utils         2.4.52-1ubuntu4.6           amd64      Apache HTTP Server (utility progr  
ams for web servers)  
ii  libapache2-mod-php    2:8.1+92ubuntu1             all        server-side, HTML-embedded script  
ing language (Apache 2 module) (default)  
ii  libapache2-mod-php8.1 8.1.2-1ubuntu2.14           amd64      server-side, HTML-embedded script  
ing language (Apache 2 module)
```

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Search
19:15 06-10-2023

WordPress Welcome Page




The screenshot shows a web browser window with the WordPress installation page. The browser's address bar shows the URL `34.205.89.228/wp-admin/install.php`. The page features the WordPress logo at the top center. Below it, a 'Welcome' section contains a message about the five-minute installation process. The 'Information needed' section follows, with a note that settings can be changed later. It includes four input fields: 'Site Title', 'Username', 'Password', and 'Your Email'. The 'Password' field has a 'Hide' button. An 'Important' note states that the password is needed for login. The 'Your Email' field has a note to double-check the address. The Windows taskbar at the bottom shows the date as 06-10-2023 and the time as 20:10.

Instance details | EC2 | us-east-1 x Instance details | EC2 | us-east-1 x VPC Console x WordPress - Installation x +

← → ↻ 🏠 Not secure | 34.205.89.228/wp-admin/install.php

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Welcome

Welcome to the famous five-minute WordPress installation process! Just fill in the information below and you'll be on your way to using the most extendable and powerful personal publishing platform in the world.

Information needed

Please provide the following information. Do not worry, you can always change these settings later.

Site Title

Username

Username can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.

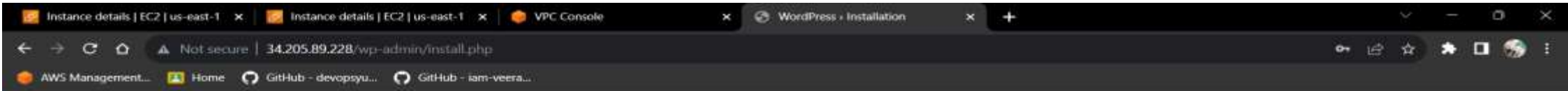
Password [Hide](#)

Important: You will need this password to log in. Please store it in a secure location.

Your Email

Double-check your email address before continuing.

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Welcome to the famous five-minute WordPress installation process! Just fill in the information below and you'll be on your way to using the most extendable and powerful personal publishing platform in the world.

Please provide the following information. Do not worry, you can always change these settings later.

Vamsi

wordpress

.....
Strong

kaitepallinani@gmail.com

28°C Mostly cloudy Search [Taskbar icons: File Explorer, Edge, Chrome, WhatsApp, Telegram, etc.] ENG IN 20:12 06-10-2023



Success!

WordPress has been installed. Thank you, and enjoy!

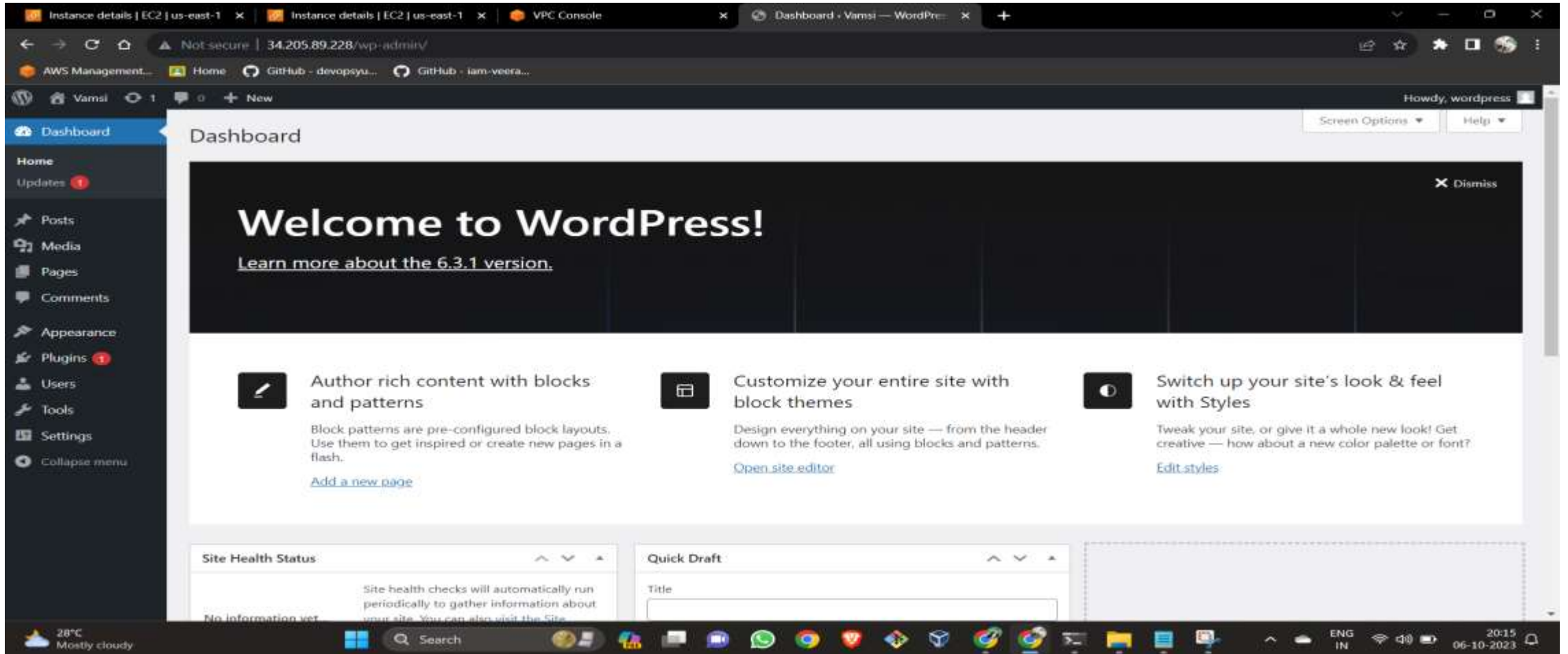
Username wordpress

Password *Your chosen password.*

[Log In](#)

Show hidden icons

WordPress Dashboard



Thank You