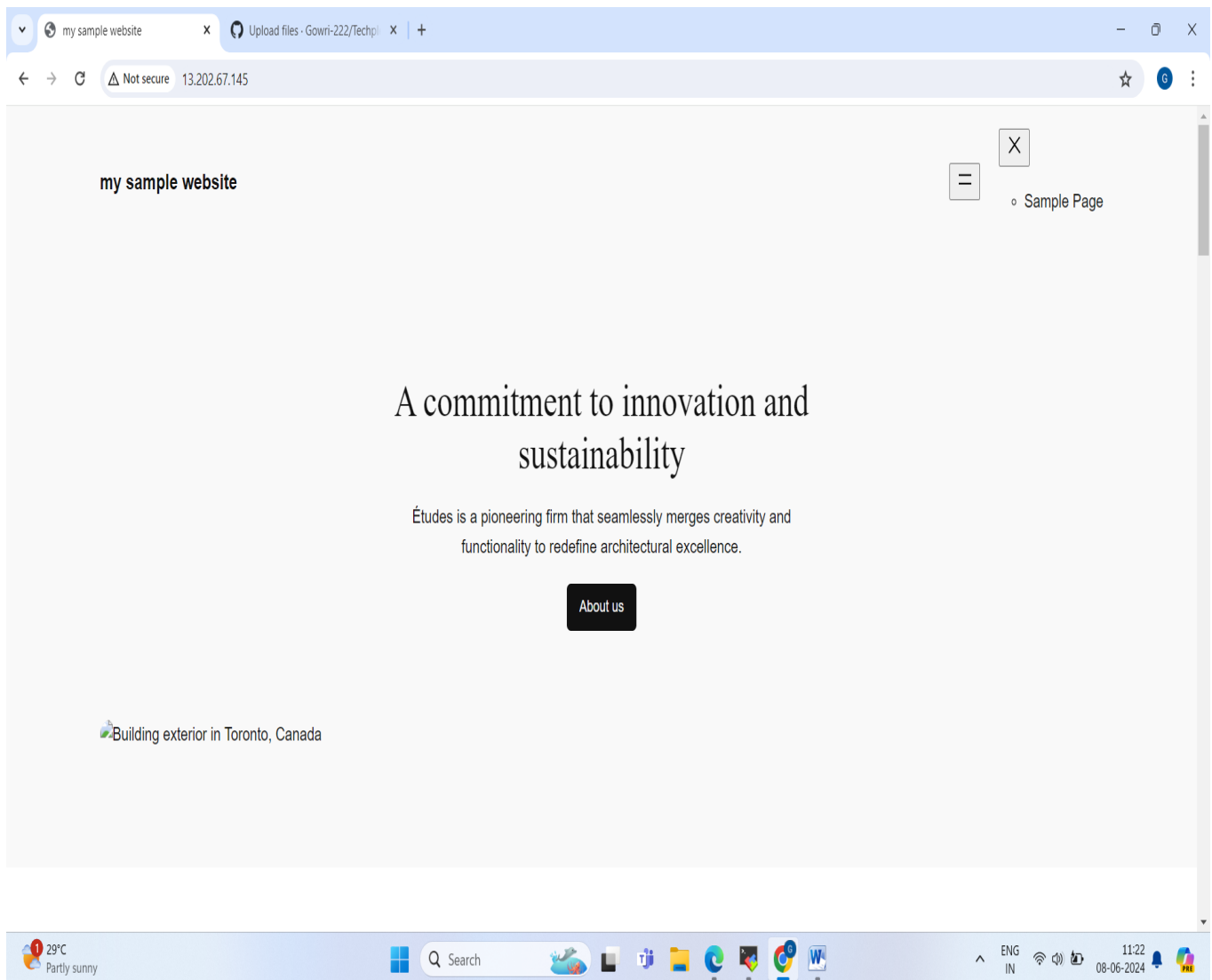


TECHPLEMENT

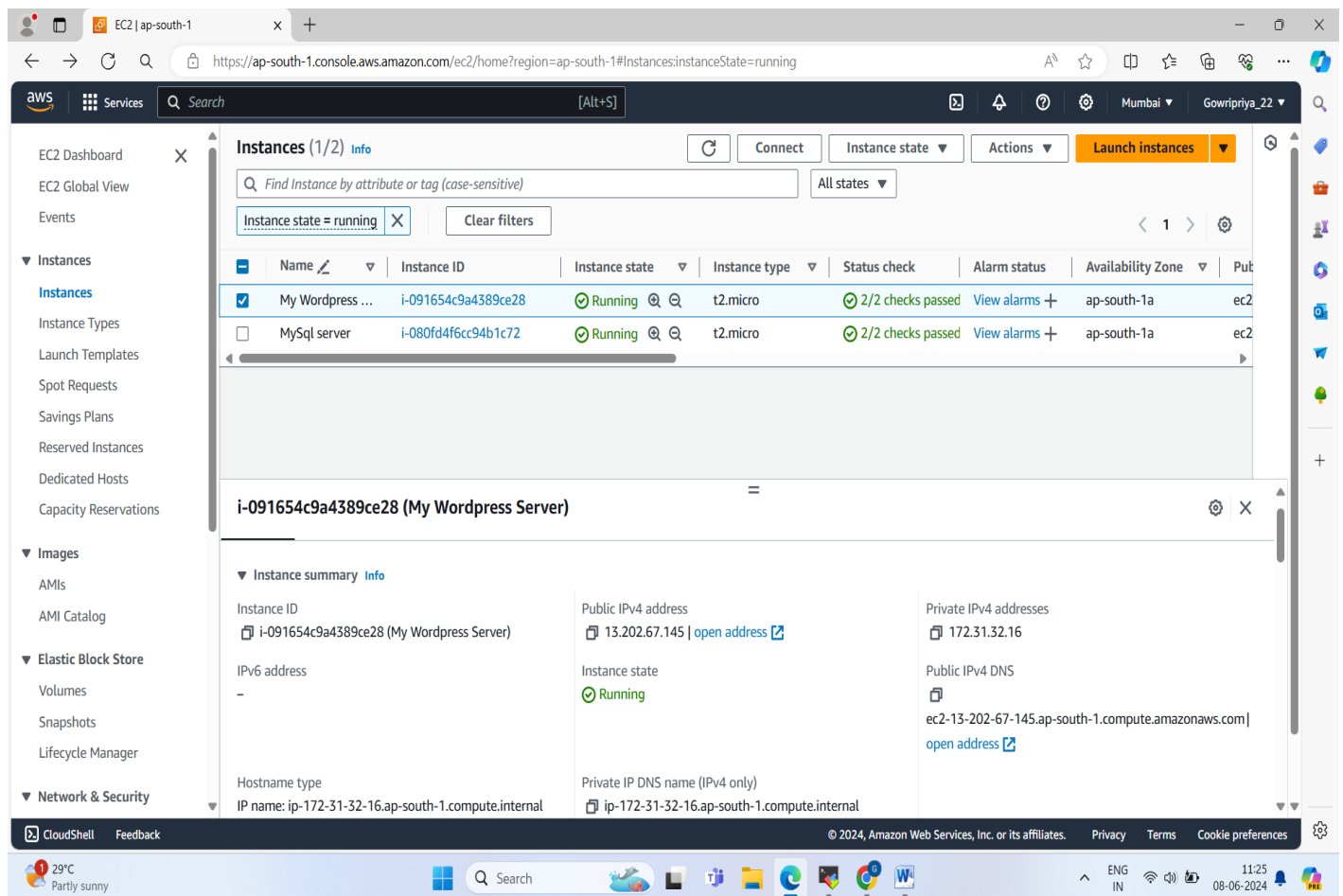
CLOUD (AWS)

TASK(WEEK1)

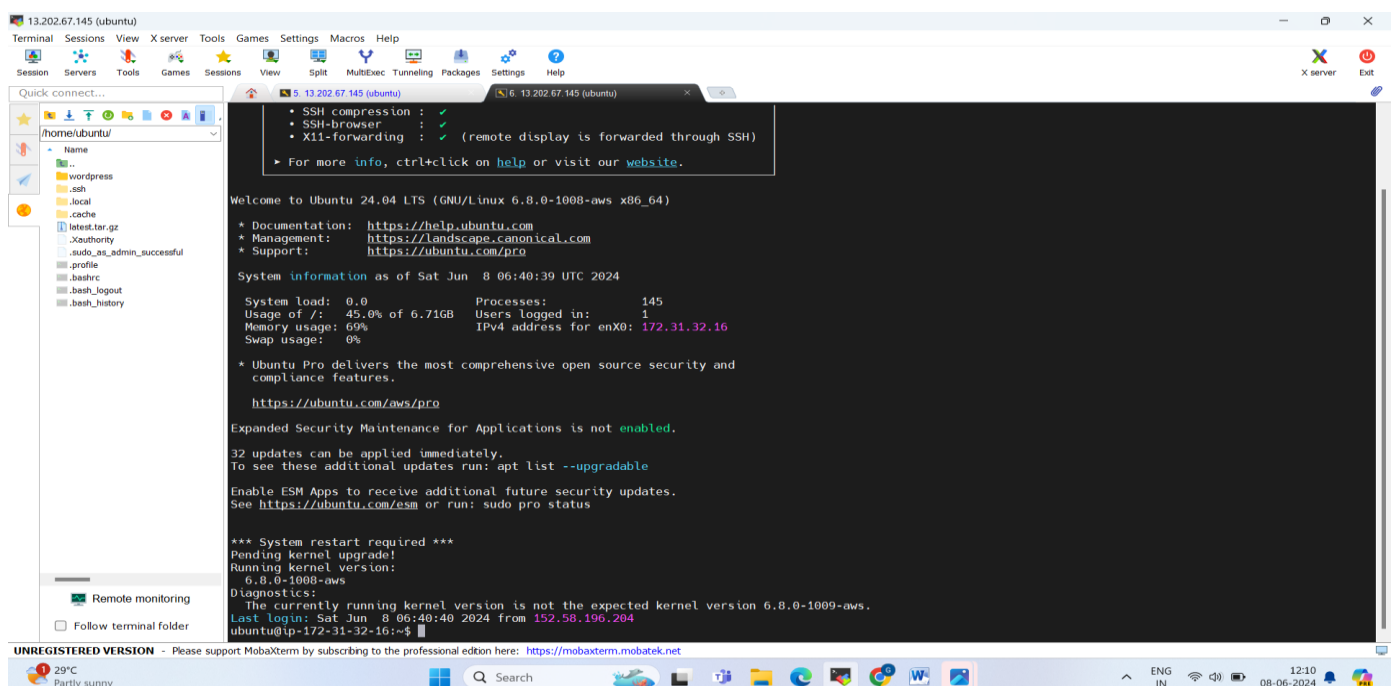
My sample website page



1. Firstly I launched an EC2 instance and deployed wordpress and MYSQL on the same instance. I have chosen Ubuntu as an operating system to run.



2. I can now access my instance through public IPV4 address and connect to the instance via SSH. I connect SSH client using MobaXterm.



EC2 Dashboard

EC2 Global View

Events

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Network & Security

Resources

EC2 Global view

You are using the following Amazon EC2 resources in the Asia Pacific (Mumbai) Region:

Instances (running)	2	Auto Scaling Groups	0	Dedicated Hosts	0
Elastic IPs	1	Instances	2	Key pairs	1
Load balancers	0	Placement groups	0	Security groups	3
Snapshots	0	Volumes	2		

Launch instance

To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

Launch instance

Migrate a server

Note: Your instances will launch in the Asia Pacific (Mumbai) Region

Service health

AWS Health Dashboard

Region

Asia Pacific (Mumbai)

Status

This service is operating normally.

Zones

Zone name

Zone ID

Instance alarms

EC2 Free Tier

Offers for all AWS Regions.

2 EC2 free tier offers in use

End of month forecast

0 offers forecasted to exceed free tier limit.

Exceeds free tier

0 offers exceeded and is now pay-as-you-go pricing.

View Global EC2 resources

Offer usage (monthly)

Linux EC2 Instances

617 hours remaining

18%

Storage space on EBS

28.66 GB remaining

4%

View all AWS Free Tier offers

Account attributes

CloudShell

Feedback

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Privacy

Terms

Cookie preferences

29°C

Partly sunny

Search

ENG

IN

14:06

08-06-2024

Connect to instance | EC2 | ap-south-1

Home | EC2 | ap-south-1

https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#ConnectToInstance:instanceId=i-091654c9a4389ce28

Services

Search

[Alt+S]

Mumbai

Gowripriya_22

EC2 > Instances > i-091654c9a4389ce28 > Connect to instance

Connect to instance

Connect to your instance i-091654c9a4389ce28 (My Wordpress Server) using any of these options

EC2 Instance Connect

Session Manager

SSH client

EC2 serial console

Instance ID

i-091654c9a4389ce28 (My Wordpress Server)

1. Open an SSH client.

2. Locate your private key file. The key used to launch this instance is wordpress_server.pem

3. Run this command, if necessary, to ensure your key is not publicly viewable.

chmod 400 "wordpress_server.pem"

4. Connect to your instance using its Public DNS:

ec2-13-202-67-145.ap-south-1.compute.amazonaws.com

Example:

ssh -i "wordpress_server.pem" ubuntu@ec2-13-202-67-145.ap-south-1.compute.amazonaws.com

Note: In most cases, the guessed username is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

Cancel

CloudShell

Feedback

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Search

ENG

IN

11:31

08-06-2024

3.I installed apache webserver on my instance using command - `sudo apt install apache2` and it shows working with public IPV4 address.



Apache2 Default Page

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/
|-- apache2.conf
|   |-- ports.conf
|-- mods-enabled
|   |-- *.load
|   |-- *.conf
|-- conf-enabled
|   |-- *.conf
|-- sites-enabled
|   |-- *.conf
```

- `apache2.conf` is the main configuration file. It puts the pieces together by including all remaining configuration files when starting up the web server.
- `ports.conf` is always included from the main configuration file. It is used to determine the listening ports for incoming connections, and this file can be customized anytime.
- Configuration files in the `mods-enabled/`, `conf-enabled/` and `sites-enabled/` directories contain particular configuration snippets which manage modules, global configuration fragments, or virtual host configurations, respectively.
- They are activated by symlinking available configuration files from their respective `*-available/` counterparts. These should be managed by using our helpers `a2enmod`, `a2dismod`, `a2ensite`, `a2disstite`, and `a2enconf`, `a2disconf`. See their respective man pages for detailed information.
- The binary is called `apache2` and is managed using `systemd`, so to start/stop the service use

4.Then installed php with the command-- `sudo apt install php libapache2-mod-php php-mysql` because wordpress is built in php.

5. Installation of MYSQL sever using command -- Install MySQL server

`sudo apt install mysql-server` and created a new database with wp;

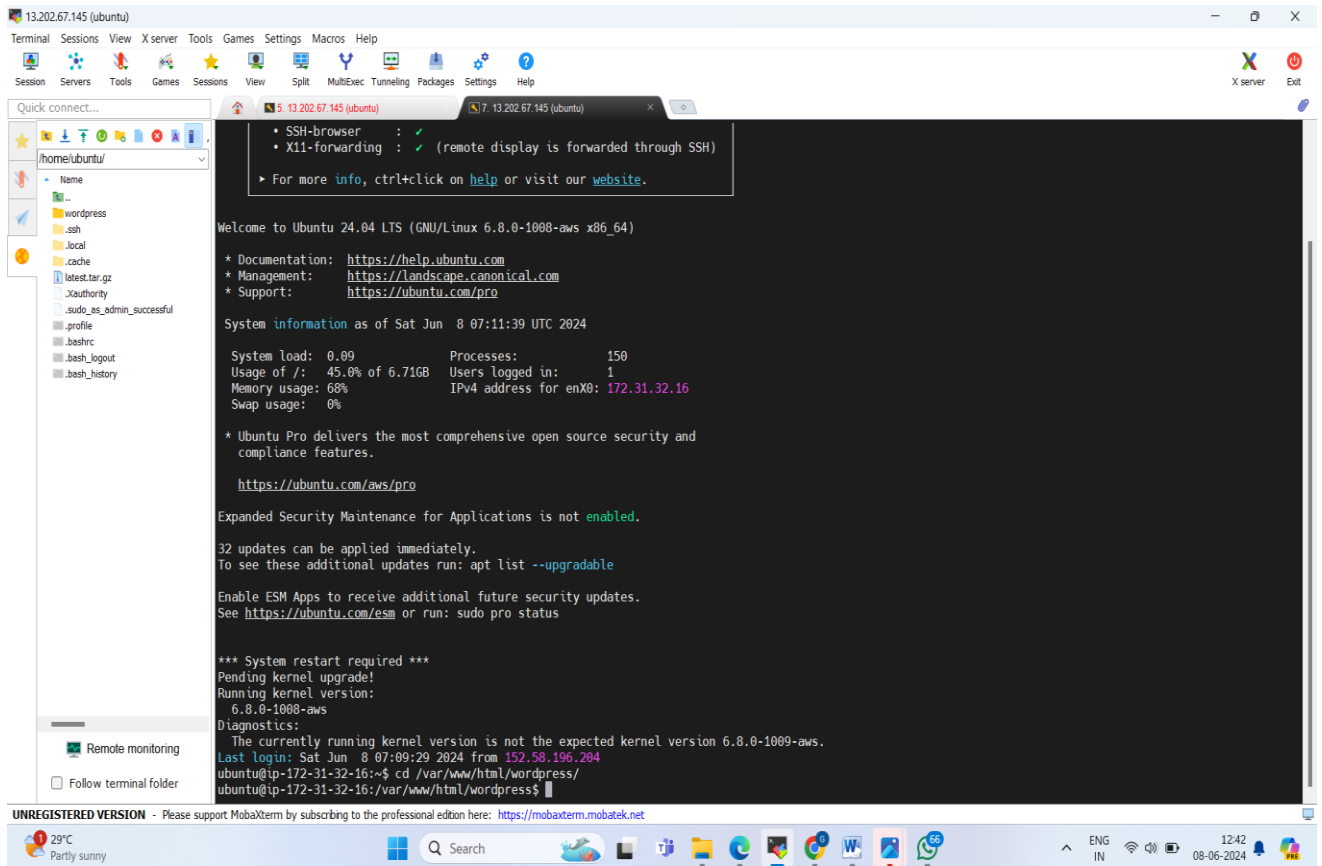
6.Now we should install wordpress server www.wordpress.org

Download wordpress

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

7. Move wordpress folder to apache document root

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



The screenshot shows a terminal window with the following content:

```
13.202.67.145 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

Quick connect...
/home/ubuntu/
Name
..
wordpress
.ssh
.local
.cache
latest.tar.gz
.xauthority
.sudo_as_admin_successful
.profile
.bashrc
.bash_logout
.bash_history

Remote monitoring
Follow terminal folder

UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: https://mobaxterm.mobatek.net
```

SSH-browser : ✓
X11-forwarding : ✓ (remote display is forwarded through SSH)
For more info, ctrl+click on help or visit our website.

Welcome to Ubuntu 24.04 LTS (GNU/Linux 6.8.0-1008-aws x86_64)

* Documentation: <https://help.ubuntu.com>
* Management: <https://landscape.canonical.com>
* Support: <https://ubuntu.com/pro>

System information as of Sat Jun 8 07:11:39 UTC 2024

System load: 0.09 Processes: 150
Usage of /: 45.0% of 6.71GB Users logged in: 1
Memory usage: 68% IPv4 address for enX0: 172.31.32.16
Swap usage: 0%

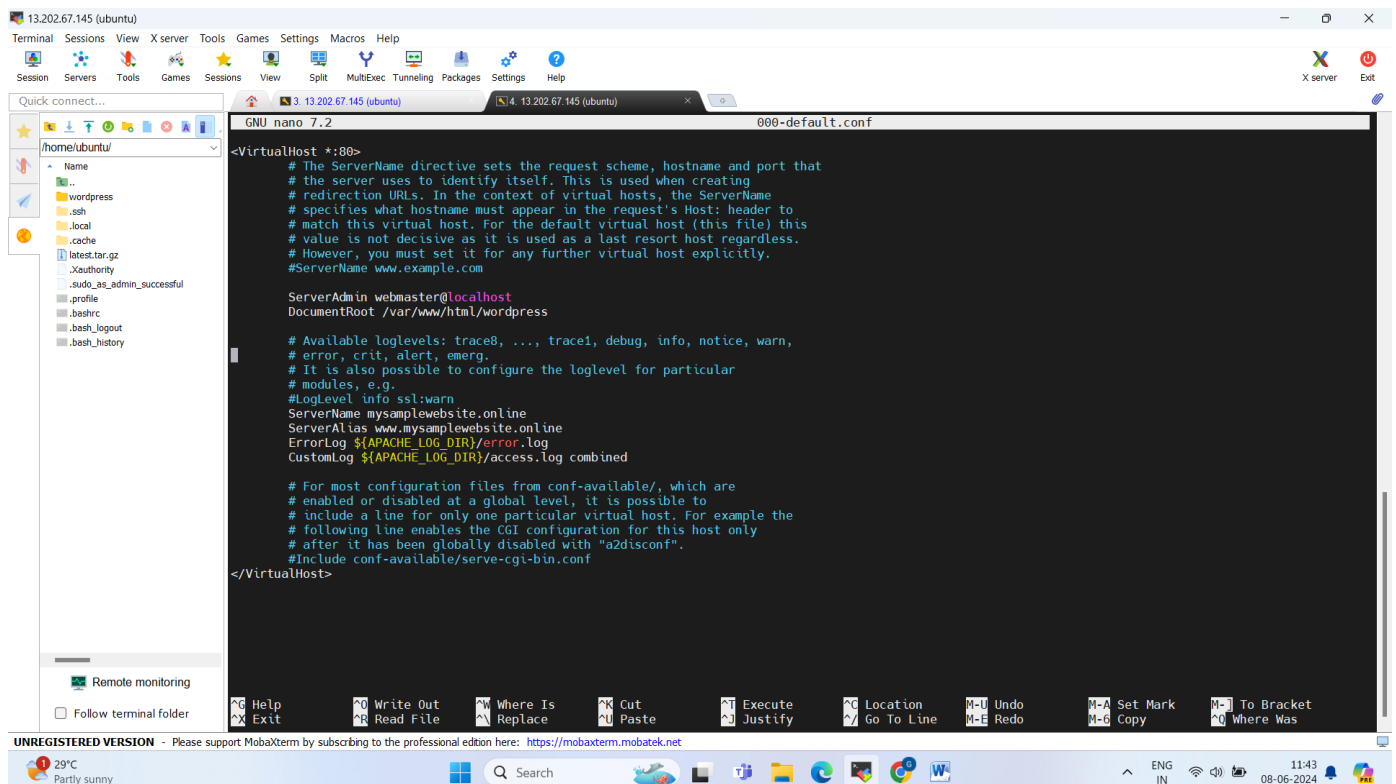
* Ubuntu Pro delivers the most comprehensive open source security and compliance features.
<https://ubuntu.com/aws/pro>

Expanded Security Maintenance for Applications is not enabled.
32 updates can be applied immediately.
To see these additional updates run: `apt list --upgradable`

Enable ESM Apps to receive additional future security updates.
See <https://ubuntu.com/esm> or run: `sudo pro status`

*** System restart required ***
Pending kernel upgrade!
Running kernel version: 6.8.0-1008-aws
Diagnostics:
The currently running kernel version is not the expected kernel version 6.8.0-1009-aws.
Last login: Sat Jun 8 07:09:29 2024 from 152.58.196.204
ubuntu@ip-172-31-32-16:~\$ cd /var/www/html/wordpress/
ubuntu@ip-172-31-32-16:~\$ mv /var/www/html/wordpress/

8. Go to the wordpress terminal and press cmd-nano wp-confid.php Paste code of wordpress file.



The screenshot shows a terminal window with the nano editor open, editing the file `000-default.conf`. The content of the file is as follows:

```
GNU nano 7.2 000-default.conf

<VirtualHost *:80>
# The ServerName directive sets the request scheme, hostname and port that
# the server uses to identify itself. This is used when creating
# redirection URLs. In the context of virtual hosts, the ServerName
# specifies what hostname must appear in the request's Host: header to
# match this virtual host. For the default virtual host (this file) this
# value is not decisive as it is used as a last resort host regardless.
# However, you must set it for any further virtual host explicitly.
#ServerName www.example.com

ServerAdmin webmaster@localhost
DocumentRoot /var/www/html/wordpress

# Available loglevels: trace8, ..., trace1, debug, info, notice, warn,
# error, crit, alert, emerg.
# It is also possible to configure the loglevel for particular
# modules, e.g.
#LogLevel info ssl:warn
ServerName mysamplewebsite.online
ServerAlias www.mysamplewebsite.online
ErrorLog ${APACHE_LOG_DIR}/error.log
CustomLog ${APACHE_LOG_DIR}/access.log combined

# For most configuration files from conf-available/, which are
# enabled or disabled at a global level, it is possible to
# include a line for only one particular virtual host. For example the
# following line enables the CGI configuration for this host only
# after it has been globally disabled with "a2disconf".
#Include conf-available/serve-cgi-bin.conf

</VirtualHost>
```

8.Wordpress is downloaded with a log in website.The home page is created of mysamplewebsite page with IPV4 address

