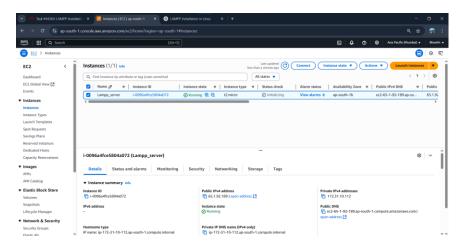
LAMPP Installation

1. Launch EC2 Instance and Connect via Git Bash

Launch a Red Hat-based EC2 instance in AWS, and connect to it using Git Bash or terminal with the following command:

ssh -i "your-key.pem" ec2-user@your-ec2-public-ip



2. Update the System

Update all system packages to the latest versions.

dnf update -y



3. Install Apache Web Server

Install Apache and start it.

yum install httpd -y

systemctl enable httpd

systemctl start httpd

```
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```



4. Install PHP and Extensions

Install PHP and extensions needed for web and database interaction.

dnf install php php-mysqlnd -y

systemctl restart httpd



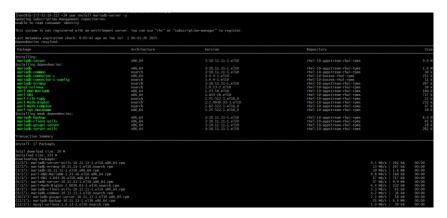
5. Install and Start MariaDB (MySQL)

Install and start the MariaDB database server.

dnf install mariadb-server -y

systemctl enable mariadb

systemctl start mariadb



6. Secure MySQL Installation

Run the security script to set a root password and remove test data.

mysql_secure_installation

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7. Create a PHP Info Page

Create a PHP file to confirm Apache + PHP is working.

echo "<?php phpinfo(); ?>" > /var/www/html/info.php

Open your browser and navigate to http://<your-ec2-ip>/info.php

```
Complete!
[root@ip-172-31-10-112 ~]# systemctl restart httpd
[root@ip-172-31-10-112 ~]# echo "<?php phpinfo(); ?>" > /var/www/html/info.php
[root@ip-172-31-10-112 ~]# |
```



8. Install phpMyAdmin Manually

Download, extract, and configure phpMyAdmin manually.

cd /var/www/html

dnf install wget -y

wget https://files.phpmyadmin.net/phpMyAdmin/5.2.1/phpMyAdmin-5.2.1-all-languages.tar.gz

tar -xzf phpMyAdmin-5.2.1-all-languages.tar.gz

mv phpMyAdmin-5.2.1-all-languages phpmyadmin

chown -R apache:apache phpmyadmin

cp phpmyadmin/config.sample.inc.php phpmyadmin/config.inc.php

vim phpmyadmin/config.inc.php (Set blowfish_secret and move strict_types=1 under
<?php)</pre>

```
[root@ip-172-31-10-112 html]# tar -xzf phpMyAdmin-5.2.1-all-languages.tar.gz
[root@ip-172-31-10-112 html]# mv phpMyAdmin-5.2.1-all-languages phpmyadmin
[root@ip-172-31-10-112 html]# rm phpMyAdmin-5.2.1-all-languages.tar.gz
rm: remove regular file 'phpMyAdmin-5.2.1-all-languages.tar.gz'? y
[root@ip-172-31-10-112 html]# chown -R apache:apache phpmyadmin
[root@ip-172-31-10-112 html]# |
```

```
### Description of the configuration of the configu
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Note: Since root login is working, creating an additional MySQL user for phpMyAdmin was not required

9. Access phpMyAdmin in Browser

Open your browser and navigate to:

http://<your-ec2-ip>/phpmyadmin



