Experiment 2 – Creating Amazon EC2 Instances – Creating a LAMP Instance in the AWS CLI

AIM: To create a LAMP instance in the AWS CLI.

PROCEDURE:

1. Firstly, type sudo su to become the root user.
2. To update all the packages in your instance type "yum update -y".

```
root@ip-172-31-32-239:/home/ec2-user
Using username "ec2-user".
Authenticating with public key "imported-openssh-key"
Last login: Sat Aug 27 04:29:33 2022 from 106.208.16.252

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       _|  (     /   Amazon Linux 2 AMI
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https://aws.amazon.com/amazon-linux-2/
3 package(s) needed for security, out of 7 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-32-239 ~]$
[ec2-user@ip-172-31-32-239 ~]$
[ec2-user@ip-172-31-32-239 ~]$
[ec2-user@ip-172-31-32-239 ~]$ sudo su
[root@ip-172-31-32-239 ec2-user]# yum update -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core                                                    | 3.7 kB  00:00:00
Resolving Dependencies
--> Running transaction check
---> Package chrony.x86_64 0:4.0-3.amzn2.0.2 will be updated
---> Package chrony.x86_64 0:4.2-5.amzn2.0.2 will be an update
---> Package dhclient.x86_64 12:4.2.5-77.amzn2.1.6 will be updated
---> Package dhclient.x86_64 12:4.2.5-79.amzn2.1.1 will be an update
---> Package dhcp-common.x86_64 12:4.2.5-77.amzn2.1.6 will be updated
---> Package dhcp-common.x86_64 12:4.2.5-79.amzn2.1.1 will be an update
---> Package dhcp-libs.x86_64 12:4.2.5-77.amzn2.1.6 will be updated
---> Package dhcp-libs.x86_64 12:4.2.5-79.amzn2.1.1 will be an update
---> Package gnupg2.x86_64 0:2.0.22-5.amzn2.0.4 will be updated
---> Package gnupg2.x86_64 0:2.0.22-5.amzn2.0.5 will be an update
---> Package kernel.x86_64 0:5.10.135-122.509.amzn2 will be installed
---> Package kernel-tools.x86_64 0:5.10.130-118.517.amzn2 will be updated
---> Package kernel-tools.x86_64 0:5.10.135-122.509.amzn2 will be an update
--> Finished Dependency Resolution

Dependencies Resolved

================================================================================
 Package          Arch        Version                  Repository          Size
================================================================================
Installing:
 kernel           x86_64      5.10.135-122.509.amzn2   amzn2extra-kernel-5.10    32 M
Updating:
 chrony           x86_64      4.2-5.amzn2.0.2          amzn2-core         302 k
 dhclient         x86_64      12:4.2.5-79.amzn2.1.1    amzn2-core         287 k
 dhcp-common      x86_64      12:4.2.5-79.amzn2.1.1    amzn2-core         177 k
 dhcp-libs        x86_64      12:4.2.5-79.amzn2.1.1    amzn2-core         132 k
 gnupg2           x86_64      2.0.22-5.amzn2.0.5       amzn2-core         1.5 M
 kernel-tools     x86_64      5.10.135-122.509.amzn2   amzn2extra-kernel-5.10   176 k
```

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3. To install Apache server in linux, type "yum install httpd".

4. To install mysql or mariadb type "yum install mariadb mariadb-server".

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5. To install php, type "yum install php php-mysql".

6. Type "yum search php" to see all the packages installed in the server.

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7. Enabling the mariadb server.w

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8. After enabling httpd (apache server) , go to the directory where cd /var/www/html/

9. Go to vim and type "<?php phpinfo(); ?>".

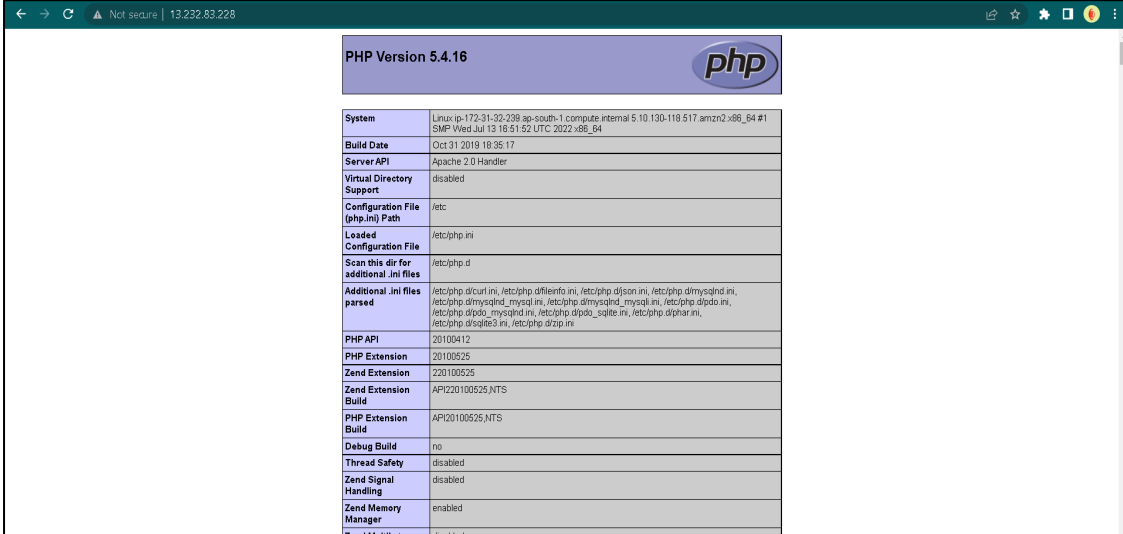Copy the public ip address or public domain name from the console and paste in the web browser.

OUTPUT:

RESULT:

LAMP instance was successfully created and executed in AWS CLI.

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