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# 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".

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

```
| IrontBip-172-31-32-23 ec2-usec)#
| IrontBip-172-31-23-23 ec2-usec)#
| IrontBip-172-31-23-23 ec2-usec)# | IrontBip-172-31-32-23 ec2-usec)# | IrontBip-172-31-32-32 | IrontBip-172-32-32 | IrontBip-172-32-32 | IrontBip-172-32-32 | IrontBip-172-32-32 | IrontBip-172-32-32 | IrontBip-172-32-32-32 | IrontBip-172-32-32 | IrontBip-172-32-32-32 | IrontBip-172-32-32 | Iro
```

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

```
[root8ip-172-31-32-239 ec2-user]#
[root8ip-172-31-32-32-39 ec2-user]#
[root8ip-172-31-32-32-39 ec2-user]#
[root8ip-172-31-32-32-39 ec2-user]#
[root8ip-172-31-32-32-39 ec2-user]#
[root8ip-172-31-32-32-39 ec2-user]#
[root8ip-172-31-32-39 ec2-user]#
[root8ip-172-31-32-32-39 ec2-user]#
[root8ip-172-31-32-39 ec2-user]#
[root8ip-172-31-32-39 ec2-user]#
[root8ip-172-31-32-39 ec2-user]#
[root8ip-172-31-32-39 ec2-user]#
[root8ip-172-31-32-39 ec2-user]#
[root8ip-172-31-32-39 ec2-use
```

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

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

7. Enabling the mariadb server.

```
[root8ip-172-31-32-239 ec2-user]# systemctl start mariadb
[root8ip-172-31-32-239 ec2-user]# systemctl enable mariadb
[root8ip-172-31-32-239 ec2-user]# systemctl enable mariadb

Created symlink from /etc/systemd/system/multi-user.target.wants/mariadb.service to /usr/lib/
systemd/system/nariadb.service.
[root8ip-172-31-32-239 ec2-user]#
[root8ip-172-31-32-239 ec2-user]#
[root8ip-172-31-32-239 ec2-user]#
[root8ip-172-31-32-239 ec2-user]#
```

- 8. After enabling httpd (apache server), go to the directory where cd /var/www/html/
- 9. Go to vim and type "<?php phpinfo(); ?>".

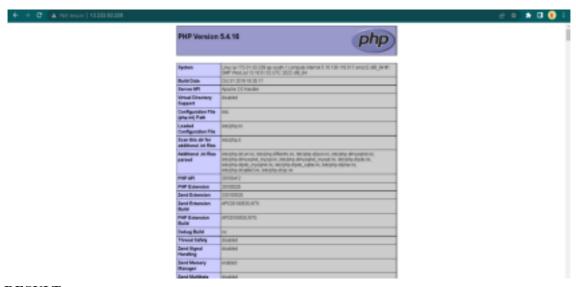
```
Froot@ip-172-31-32-239/var/www/html

[root@ip-172-31-32-239 ec2-user]# cd /var/www/html/
[root@ip-172-31-32-239 html]# ls

[root@ip-172-31-32-239 html]# pwd
/var/www/html
[root@ip-172-31-32-239 html]#
```

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.