

Part 1: Setting Up LAMP Stack:

1. Launch EC2 Instance:

Instances (1/1) Info									
Find Instance by attribute or tag (case-sensitive)				All states ▾		Last updated about 1 hour ago			
Instance state = running X				Clear filters		< 1 > ⚙			
<input checked="" type="checkbox"/>	Name ↗	Instance ID	Instance state ▾	Instance type ▾	Status check	Alarm status	Availability Zone ▾	Public IPv4 DNS ▾	Public IPv4 ... ▾
<input checked="" type="checkbox"/>	apache server	i-060dbcd66242ce75	Running 🔍	t3.micro	3/3 checks passed	View alarms +	eu-north-1b	ec2-13-60-17-29.eu-no...	13.60.17.29

3. Install Components:

Install Apache, MySQL, and PHP packages using package manager commands.

```
ubuntu@ip-172-31-40-112:~$ sudo systemctl start apache2
ubuntu@ip-172-31-40-112:~$ sudo systemctl enable apache2
Synchronizing state of apache2.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable apache2
ubuntu@ip-172-31-40-112:~$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: enabled)
   Active: active (running) since Sat 2024-08-24 12:47:33 UTC; 5min ago
     Docs: https://httpd.apache.org/docs/2.4/
   Main PID: 2903 (apache2)
    Tasks: 55 (limit: 1078)
   Memory: 5.5M (peak: 5.6M)
      CPU: 57ms
   CGroup: /system.slice/apache2.service
           └─2903 /usr/sbin/apache2 -k start
             └─2905 /usr/sbin/apache2 -k start
               └─2906 /usr/sbin/apache2 -k start

Aug 24 12:47:33 ip-172-31-40-112 systemd[1]: Starting apache2.service - The Apache HTTP Server...
Aug 24 12:47:33 ip-172-31-40-112 systemd[1]: Started apache2.service - The Apache HTTP Server.
```

```
ubuntu@ip-172-31-40-112:~$ sudo systemctl start mysql
ubuntu@ip-172-31-40-112:~$ sudo systemctl enable mysql
Synchronizing state of mysql.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.
Executing: /usr/lib/systemd/systemd-sysv-install enable mysql
ubuntu@ip-172-31-40-112:~$ sudo systemctl status mysql
● mysql.service - MySQL Community Server
   Loaded: loaded (/usr/lib/systemd/system/mysql.service; enabled; preset: enabled)
   Active: active (running) since Sat 2024-08-24 12:57:02 UTC; 5min ago
     Main PID: 4055 (mysqld)
    Status: "Server is operational"
      Tasks: 37 (limit: 1078)
   Memory: 353.4M (peak: 369.6M)
      CPU: 3.116s
   CGroup: /system.slice/mysql.service
           └─4055 /usr/sbin/mysqld

Aug 24 12:57:01 ip-172-31-40-112 systemd[1]: Starting mysql.service - MySQL Community Server...
Aug 24 12:57:02 ip-172-31-40-112 systemd[1]: Started mysql.service - MySQL Community Server.
```

