

lamp stack server script to deploy using user data

navigate to EC2 on amazon console and launched a new instance using the below data

ec2 name - lamp-stack-server-2

amazon linux AMI

t2 micro

no key pair

default security groups

allow ssh from anywhere

8gb ram

expanded advanced data to access user data column and inserted the below

```
#!/bin/bash
```

```
# Update the package list and upgrade existing packages
```

```
sudo apt-get update
```

```
sudo apt-get upgrade -y
```

```
# Install Apache web server
```

```
sudo apt-get install apache2 -y
```

```
# Start and enable Apache to start on boot
```

```
sudo systemctl start apache2
```

```
sudo systemctl enable apache2
```

```
# Install MySQL server and set root password when prompted
```

```
sudo apt-get install mysql-server -y
```

```
# Install PHP and required modules
```

```
sudo apt-get install php libapache2-mod-php php-mysql -y
```

```
# Restart Apache to apply PHP changes
```

```
sudo systemctl restart apache2
```

```
# Create a simple PHP info page to test the LAMP stack
```

```
echo "<?php phpinfo(); ?>" | sudo tee /var/www/html/phpinfo.php
```

```
# Secure the MySQL installation (this step will prompt you to configure security settings)
```

```
sudo mysql_secure_installation
```

```
echo "LAMP stack installation complete."
```

then i clicked launch instance