

## Hướng dẫn cài đặt LAMP trên Linux (RHEL, CentOS, Fedora)

Bài viết sẽ hướng dẫn cách cài đặt **Apache Server** cùng **MySQL 5.5.32**, **PHP 5.5.0** trên **RHEL 5.x – 6.x**, **CentOS 5.x – 6.x** và **Fedora** sử dụng **Remi repository**, cách này sẽ đơn giản và đầy đủ các module cần thiết hơn.

Danh sách module **PHP** được cài đặt theo gói này bao gồm:

- MySQL (php-mysql) – A extension for PHP applications that use MySQL databases.
- PostgreSQL (php-pgsql) – A extension for PostgreSQL database for PHP.
- MongoDB (php-pecl-mongo) – A driver for MongoDB database.
- SQLite (php-sqlite) – Extension for SQLite Database Engine.
- Memcache (php-pecl-memcache) – Memcached caching daemon.
- Memcached (php-pecl-memcached) – Memcached caching daemon.
- GD (php-gd) – GD extension for PHP application to serve graphics.
- XML (php-xml) – XML Parser for PHP applications.
- MBString (php-mbstring) – Mbstring extension is used to handle multi-byte string in PHP applications.
- MCrypt (php-mcrypt) – A Mcrypt library for PHP scripts.
- APC (php-pecl-apc) – APC module used to optimize and cache PHP code.
- CLI (php-cli) – Command-line interface for PHP.
- PEAR (php-pear) – Application Repository framework for PHP.
- PDO (php-pdo) – Database access module for PHP applications.

### Bước 1: Cài đặt Remi Repository

```
## Install Remi Repository on Fedora 19, 18, 17, 16,
15 ##
rpm -Uvh
http://download1.rpmfusion.org/free/fedora/rpmfusion-
free-release-stable.noarch.rpm
rpm -Uvh
http://download1.rpmfusion.org/nonfree/fedora/rpmfusio
n-nonfree-release-stable.noarch.rpm

## Fedora 19 ##
rpm -Uvh http://rpms.famillecollet.com/remi-release-
19.rpm

## Fedora 18 ##
```

```
rpm -Uvh http://rpms.famillecollet.com/remi-release-18.rpm
```

```
## Fedora 17 ##
```

```
rpm -Uvh http://rpms.famillecollet.com/remi-release-17.rpm
```

```
## Fedora 16 ##
```

```
rpm -Uvh http://rpms.famillecollet.com/remi-release-16.rpm
```

```
## Fedora 15 ##
```

```
rpm -Uvh http://rpms.famillecollet.com/remi-release-15.rpm
```

```
## Fedora 14 ##
```

```
rpm -Uvh http://rpms.famillecollet.com/remi-release-14.rpm
```

```
## Fedora 13 ##
```

```
rpm -Uvh http://rpms.famillecollet.com/remi-release-13.rpm
```

```
## Fedora 12 ##
```

```
rpm -Uvh http://rpms.famillecollet.com/remi-release-12.rpm
```

```
## Install Remi & Epel Repository on RHEL/CentOS 6.4-6.0 - 32 Bit ##
```

```
rpm -Uvh
```

```
http://download.fedoraproject.org/pub/epel/6/i386/epel-release-6-8.noarch.rpm
```

```
rpm -Uvh
```

```
http://rpms.famillecollet.com/enterprise/remi-release-6.rpm
```

```
## Install Remi & Epel Repository on RHEL/CentOS 6.4-6.0 - 64 Bit ##
```

```
rpm -Uvh
```

```
http://download.fedoraproject.org/pub/epel/6/x86_64/epel-release-6-8.noarch.rpm
```

```
rpm -Uvh
http://rpms.famillecollet.com/enterprise/remi-release-
6.rpm
```

```
## Install Remi Repository on RHEL/CentOS 5.9-5.0 - 32
Bit ##
```

```
rpm -Uvh
http://dl.fedoraproject.org/pub/epel/5/i386/epel-
release-5-4.noarch.rpm
```

```
rpm -Uvh
http://rpms.famillecollet.com/enterprise/remi-release-
5.rpm
```

```
## Install Remi Repository on RHEL/CentOS 5.9-5.0 - 64
Bit ##
```

```
rpm -Uvh
http://dl.fedoraproject.org/pub/epel/5/x86_64/epel-
release-5-4.noarch.rpm
```

```
rpm -Uvh
http://rpms.famillecollet.com/enterprise/remi-release-
5.rpm
```

## **Bước 2: Cài đặt Apache, MySQL & PHP**

```
## Installing on Fedora 12, 13, 14, 15, 16, 17, 18, 19
##
```

```
yum --enablerepo=remi install httpd mysql mysql-server
php php-common
```

```
## Installing on RHEL/CentOS 5-6 ##
```

```
yum --enablerepo=remi,remi-test install httpd mysql
mysql-server php php-common
```

## **Bước 3: Cài đặt các module PHP 5.5.4**

```
## Installing on Fedora 12, 13, 14, 15, 16, 17, 18,
19, 20 ##
```

```
yum --enablerepo=remi install php-mysql php-pgsql php-
pecl-mongo php-sqlite php-pecl-memcache php-pecl-
memcached php-gd php-mbstring php-mcrypt php-xml php-
pecl-apc php-cli php-pear php-pdo
```

```
## Installing on RHEL/CentOS 5-6 ##
yum --enablerepo=remi,remi-test install php-mysql php-
pgsql php-pecl-mongo php-sqlite php-pecl-memcache php-
pecl-memcached php-gd php-mbstring php-mcrypt php-xml
php-pecl-apc php-cli php-pear php-pdo
```

#### **Bước 4: Bật/Tắt Apache & MySQL**

```
## Enable Apache and MySQL on Run-Levels ##
chkconfig --levels 235 httpd on
chkconfig --levels 235 mysqld on
```

```
## Apache Commands ##
/etc/init.d/httpd start
/etc/init.d/httpd stop
/etc/init.d/httpd status
```

```
## MySQL Commands ##
/etc/init.d/mysqld start
/etc/init.d/mysqld stop
/etc/init.d/mysqld status
```

#### **Bước 5: Kiểm tra việc cài đặt thành công hay không**

Tạo file **phpinfo.php** với nội dung sau trong thư mục web của Apache.

Ví dụ: **var/www/html/phpinfo.php**

```
<?php
    phpinfo ();
?>
```

Sử dụng wget để kiểm tra kết quả

```
wget http://localhost/phpinfo.php
```

Hoặc truy cập thông qua IP public của máy: **http://192.168.1.10/phpinfo.php**