

What is LAMP



LAMP is a collection software that is used to serve webpages over a network.

Installation

Installation is relatively straightforward, if you're logged in as the default user on your Raspbian-based Pi simply use apt-get:

```
sudo apt-get install apache2 php5 php5-mysql mysql-server
```

In the image above I'm using the Pi as the super user, or root, so the `sudo` portion can be omitted.

Apache

The Apache Server is a popular, open-source server that transmits data between computers on a network using **H**yper **T**ext **T**ransfer **P**rotocol or HTTP.

More information on the project can be found on the Apache website.

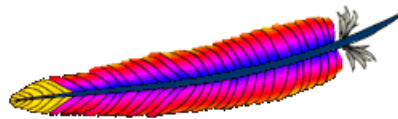
MySQL

Structured **Q**uery **L**anguage or SQL (usually pronounced "sequel") is a simple language used for working with databased.

More information on the open source MySQL project can be found on their website

```
pi@raspberrypi: ~  
Hit http://mirrordirector.raspbian.org wheezy/non-free armhf Packages  
Hit http://raspberrypi.collabora.com wheezy/rpi armhf Packages  
Hit http://mirrordirector.raspbian.org wheezy/rpi armhf Packages  
Hit http://archive.raspberrypi.org wheezy/main armhf Packages  
Hit http://apt.uniontownlabs.org wheezy Release  
Ign http://raspberrypi.collabora.com wheezy/rpi Translation-en_GB  
Hit http://repository.wolfram.com stable/non-free armhf Packages  
Ign http://raspberrypi.collabora.com wheezy/rpi Translation-en  
Hit http://apt.uniontownlabs.org wheezy/main armhf Packages  
Ign http://archive.raspberrypi.org wheezy/main Translation-en_GB  
Ign http://archive.raspberrypi.org wheezy/main Translation-en  
Ign http://mirrordirector.raspbian.org wheezy/contrib Translation-en_GB  
Ign http://mirrordirector.raspbian.org wheezy/contrib Translation-en  
Ign http://mirrordirector.raspbian.org wheezy/main Translation-en_GB  
Ign http://mirrordirector.raspbian.org wheezy/main Translation-en  
Ign http://mirrordirector.raspbian.org wheezy/non-free Translation-en_GB  
Ign http://mirrordirector.raspbian.org wheezy/non-free Translation-en  
Ign http://mirrordirector.raspbian.org wheezy/rpi Translation-en_GB  
Ign http://mirrordirector.raspbian.org wheezy/rpi Translation-en  
Ign http://repository.wolfram.com stable/non-free Translation-en_GB  
Ign http://repository.wolfram.com stable/non-free Translation-en  
Ign http://apt.uniontownlabs.org wheezy/main Translation-en_GB  
Ign http://apt.uniontownlabs.org wheezy/main Translation-en  
Reading package lists... Done  
root@raspberrypi:/home/pi# apt-get install apache2 php5 php5-mysql mysql-server
```

Figure 1: Installing



Apache

Figure 2: Apache



Figure 3: MySQL



Figure 4: PHP

PHP

PHP: Hypertext Processor, or PHP, is a scripting language that is used to render webpages on a server and then serve them to a visitor via their web browser.

PHP files can typically be identified by the `.php` file extension.