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安裝 apache2 網頁伺服器

```
4070E017@raspberrypi: ~
Enabling module dir.
Enabling module autoindex.
Enabling module env.
Enabling module mime.
Enabling module negotiation.
Enabling module setenvif.
Enabling module filter.
Enabling module deflate.
Enabling module status.
Enabling module reqtimeout.
Enabling conf charset.
Enabling conf localized-error-pages.
Enabling conf other-vhosts-access-log.
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service → /l
ib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.
service \rightarrow /lib/systemd/system/apache-htcacheclean.service.
Processing triggers for systemd (241-7~deb10u4+rpi1) ...
Processing triggers for man-db (2.8.5-2) ...
Processing triggers for libc-bin (2.28-10+rpi1) ...
4070E017@raspberrypi:~ $
```

啟動 apache 伺服器網頁

```
4070E017@raspberrypi:~ $ sudo systemctl enable apache2
Synchronizing state of apache2.service with SysV service script with /lib/system
d/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable apache2
4070E017@raspberrypi:~ $ sudo systemctl start apache2
4070E017@raspberrypi:~ $
```



Apache2 Debian Default Page

debian

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Debian systems. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at \frac{\var/\www/html/index.html) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Debian's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Debian tools. The configuration system is **fully documented in /usr/share/doc/apache2/README.Debian.gz**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the apache2-doc package was installed on this server.

The configuration layout for an Apache2 web server installation on Debian systems is as follows:

```
/etc/apache2/
|-- apache2.conf
| `-- ports.conf
|-- mods-enabled
| |-- *.load
| `-- *.conf
|-- conf-enabled
| `-- *.conf
|-- sites-enabled
| `-- *.conf
```

- apache2.conf is the main configuration file. It puts the pieces together by including all remaining configuration files when starting up the web server.
- ports.conf is always included from the main configuration file. It is used to determine the listening ports for incoming connections, and this file can be customized anytime.
- Configuration files in the mods-enabled/, conf-enabled/ and sites-enabled/ directories contain
 particular configuration snippets which manage modules, global configuration fragments, or
 virtual host configurations, respectively.
- They are activated by symlinking available configuration files from their respective *-available/
 counterparts. These should be managed by using our helpers a2enmod, a2dismod, a2ensite,
 a2dissite, and a2enconf, a2disconf. See their respective man pages for detailed information.
- The binary is called apache2. Due to the use of environment variables, in the default configuration, apache2 needs to be started/stopped with /etc/init.d/apache2 or apache2ctl.
 Calling /usr/bin/apache2 directly will not work with the default configuration.

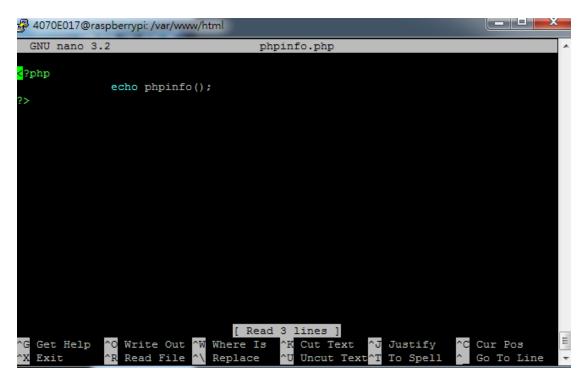
安裝 php 模組與 apache 模組

```
_ _ X

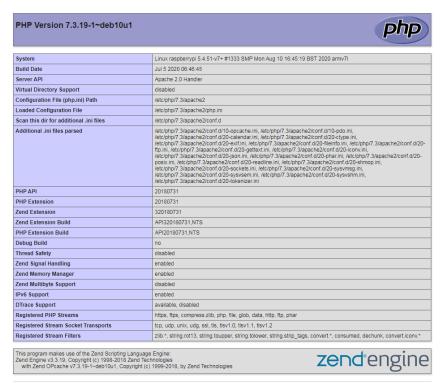
₽ 4070E017@raspberrypi: ~

Creating config file /etc/php/7.3/mods-available/readline.ini with new version
Setting up php7.3-cli (7.3.19-1~deb10u1) ...
update-alternatives: using /usr/bin/php7.3 to provide /usr/bin/php (php) in auto
mode
update-alternatives: using /usr/bin/phar7.3 to provide /usr/bin/phar (phar) in a
uto mode
update-alternatives: using /usr/bin/phar.phar7.3 to provide /usr/bin/phar.phar
phar.phar) in auto mode
Creating config file /etc/php/7.3/cli/php.ini with new version
Setting up libapache2-mod-php7.3 (7.3.19-1~deb10u1) ...
Creating config file /etc/php/7.3/apache2/php.ini with new version
Module mpm_event disabled.
Enabling module mpm prefork.
apache2_switch_mpm Switch to prefork
apache2 invoke: Enable module php7.3
Setting up libapache2-mod-php (2:7.3+69) ...
Setting up php7.3 (7.3.19-1~deb10u1) ...
Setting up php (2:7.3+69) ...
Processing triggers for man-db (2.8.5-2) ...
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```

撰寫 php 網頁



PHP 測試網頁



Configuration

apache2handler

