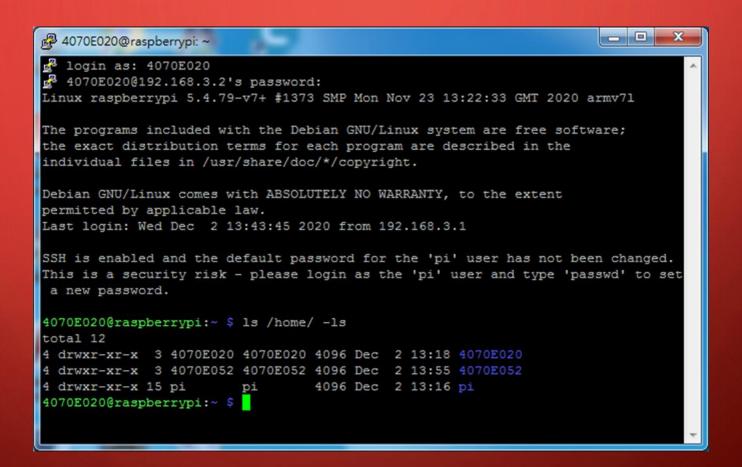
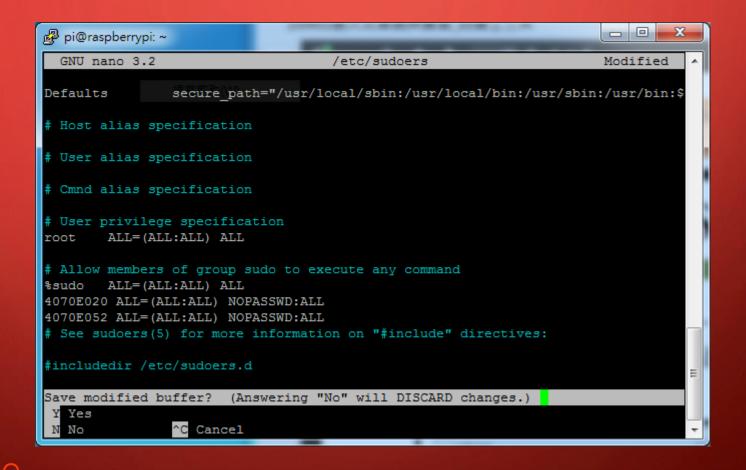
RPI建置過程 資工三A 4070E020 陳冠喨

列出帳號



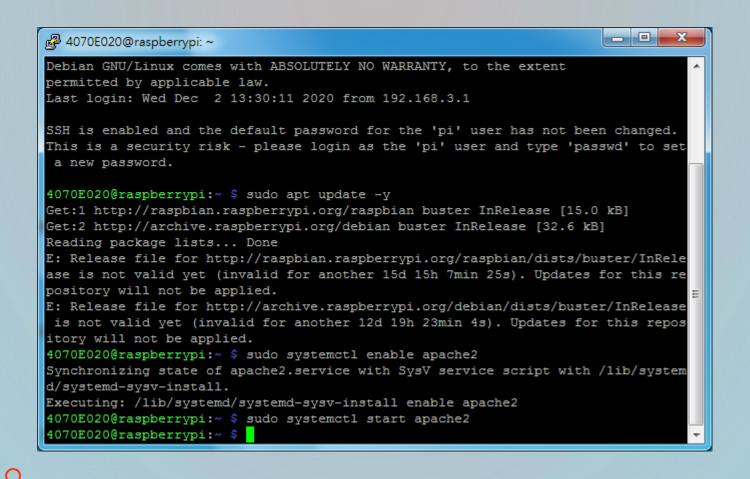
帳號加入群組



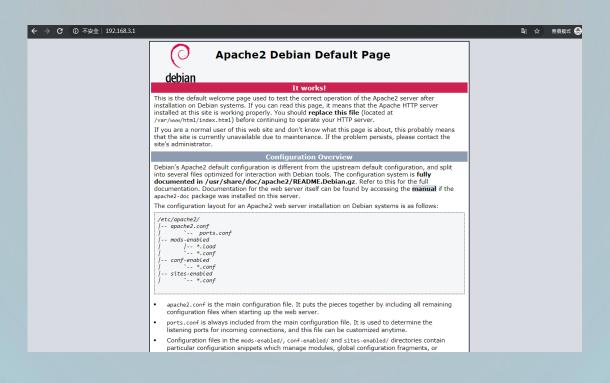
1. 文表APACHE2 Reading State information... Done The following additional packages will be installed: apache2-bin apache2-data apache2-utils libapril liba libaprutili-dab-sqlite3 libaprutill-dap Suggested packages: apache2-doc apache2-suexec-pristine | apache2-suexe

```
_ □ X
4070E020@raspberrypi: ~
 070E020@raspberrvpi:~ $ sudo raspi-config
 070E020@raspberrypi:~ $ sudo apt-get install apache2 -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
 apache2-bin apache2-data apache2-utils libapr1 libaprutil1
 Suggested packages:
 apache2-doc apache2-suexec-pristine | apache2-suexec-custom
The following NEW packages will be installed:
 apache2 apache2-bin apache2-data apache2-utils libapr1 libaprutil1
 libaprutil1-dbd-sqlite3 libaprutil1-ldap
 upgraded, 8 newly installed, 0 to remove and 0 not upgraded.
Need to get 1,969 kB of archives.
After this operation, 6,164 kB of additional disk space will be used.
Get:1 http://mirror.ossplanet.net/raspbian/raspbian buster/main armhf libapr1 ar
mhf 1.6.5-1 [83.3 kB]
Get:2 http://mirror.ossplanet.net/raspbian/raspbian buster/main armhf libaprutil
1 armhf 1.6.1-4 [81.7 kB]
Get:3 http://mirror.ossplanet.net/raspbian/raspbian buster/main armhf libaprutil
1-dbd-sqlite3 armhf 1.6.1-4 [17.3 kB]
Get:4 http://mirror.ossplanet.net/raspbian/raspbian buster/main armhf libaprutil
1-ldap armhf 1.6.1-4 [16.3 kB]
Get:5 http://mirror.ossplanet.net/raspbian/raspbian buster/main armhf apache2-bi
n armhf 2.4.38-3+deb10u4 [1,119 kB]
Get:6 http://mirror.ossplanet.net/raspbian/raspbian buster/main armhf apache2-da
ta all 2.4.38-3+deb10u4 [165 kB]
Get:7 http://mirror.ossplanet.net/raspbian/raspbian buster/main armhf apache2-ut
ils armhf 2.4.38-3+deb10u4 [235 kB]
Get:8 http://mirror.ossplanet.net/raspbian/raspbian buster/main armhf apache2 ar
mhf 2.4.38-3+deb10u4 [251 kB]
Fetched 1,969 kB in 5s (406 kB/s)
Selecting previously unselected package libapr1:armhf.
(Reading database ... 98377 files and directories currently installed.)
Preparing to unpack .../0-libapr1 1.6.5-1 armhf.deb ...
 Inpacking libapr1:armhf (1.6.5-1) ...
Selecting previously unselected package libaprutil1:armhf.
Preparing to unpack .../1-libaprutill 1.6.1-4 armhf.deb ...
Unpacking libaprutil1:armhf (1.6.1-4) ...
Selecting previously unselected package libaprutil1-dbd-sqlite3:armhf.
Preparing to unpack .../2-libaprutil1-dbd-sqlite3 1.6.1-4 armhf.deb ...
Unpacking libaprutil1-dbd-sqlite3:armhf (1.6.1-4) ...
Selecting previously unselected package libaprutil1-ldap:armhf.
Preparing to unpack .../3-libaprutil1-ldap 1.6.1-4 armhf.deb ...
Unpacking libaprutill-ldap:armhf (1.6.1-4) ...
Selecting previously unselected package apache2-bin.
Preparing to unpack .../4-apache2-bin 2.4.38-3+deb10u4 armhf.deb ...
Unpacking apache2-bin (2.4.38-3+deb10u4) ...
Selecting previously unselected package apache2-data.
Preparing to unpack .../5-apache2-data 2.4.38-3+deb10u4 all.deb ...
Unpacking apache2-data (2.4.38-3+deb10u4) ...
Selecting previously unselected package apache2-utils.
Preparing to unpack .../6-apache2-utils 2.4.38-3+deb10u4 armhf.deb ...
Unpacking apache2-utils (2.4.38-3+deb10u4) ...
Selecting previously unselected package apache2.
Preparing to unpack .../7-apache2 2.4.38-3+deb10u4 armhf.deb ...
Unpacking apache2 (2.4.38-3+deb10u4) ...
Setting up libapr1:armhf (1.6.5-1) ...
Setting up apache2-data (2.4.38-3+deb10u4) ...
Setting up libaprutil1:armhf (1.6.1-4) ...
```

2. 啟動APACHE2



3.測試網頁



4.安裝PHP與APACHE2套件

```
₽ 4070E020@raspberrypi: ~

Setting up php7.3-readline (7.3.19-1~deb10u1) ...
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
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) ...
4070E020@raspberrypi:~ $ sudo apt-get install php libapache2-mod-php -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
libapache2-mod-php is already the newest version (2:7.3+69).
php is already the newest version (2:7.3+69).
O upgraded, O newly installed, O to remove and O not upgraded.
4070E020@raspberrypi:~ $
```

5. 進入網頁根目錄新增測試網頁

```
- - X
4070E020@raspberrypi: /var/www/html
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
update-alternatives: using /usr/bin/phar7.3 to provide /usr/bin/phar (phar) in a
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) ...
4070E020@raspberrypi:~ $ sudo apt-get install php libapache2-mod-php -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
libapache2-mod-php is already the newest version (2:7.3+69).
php is already the newest version (2:7.3+69).
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
4070E020@raspberrvpi:~ $ cd /var/www/html
4070E020@raspberrypi:/var/www/html $ sudo nano phpinfo.php
4070E020@raspberrypi:/var/www/html $
```

6.撰寫PHP

```
_ D X
4070E020@raspberrypi: /var/www/html
  GNU nano 3.2
                                               phpinfo.php
<?php
echo phpinfo();
^G Get Help
^X Exit
                                                                                      ^C Cur Pos
^ Go To Line
                 ^O Write Out ^W Where Is
^R Read File ^\ Replace
                                                       Cut Text ^J Justify
Uncut Text^T To Spell
                                                   ^K Cut Text
```

8.PHP測試網頁

PHP Version 7.3.19-1~deb10u1	
System	Linux raspberrypi 5.4.51-v7+ #1333 SMP Mon Aug 10 16:45:19 BST 2020 armv7l
Build Date	Jul 5 2020 06:46:45
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/7.3/apache2
Loaded Configuration File	/etc/php/7.3/apache2/php.ini
Scan this dir for additional .ini files	/etc/php/7.3/apache2/conf.d
Additional .ini files parsed	Intributory 3 (apache 20cond d11-opache ini., letriping 7 (apache 20cond d11-opacin ini., letriping 7 (apache 20cond d12-opacin ini., letriping 7 (apache 20cond d22-opache 20
PHP API	20180731
PHP Extension	20180731
Zend Extension	320180731
Zend Extension Build	API320180731,NTS
PHP Extension Build	API20180731,NTS
Debug Build	no
Thread Safety	disabled
Zend Signal Handling	enabled
Zend Memory Manager	enabled
Zend Multibyte Support	disabled
IPv6 Support	enabled
DTrace Support	available, disabled
Registered PHP Streams	https, ftps, compress.zlib, php, file, glob, data, http, ftp, phar
Registered Stream Socket Transports	tcp, udp, unix, udg, ssi, tis, tisv1.0, tisv1.1, tisv1.2
Registered Stream Filters	zlib.*, string.rot13, string.toupper, string.tolower, string.strip_tags, convert.*, consumed, dechunk, convert.iconv.*