



Content Management Server

CMS-SE

Quick Start Guide

快速安裝手冊

Contents

1. System Requirements.....	02
2. Installing Ubuntu Linux	02
3. Installing CMS software.....	05
3.1 Installing CMS from DVD or USB flash drive	05
3.2 Uploading CMS-SE Installer by SFTP	06
4. Activating your CMS-SE	09
5. Online Help	10

1. System Requirements

OS: Ubuntu 64 bits 16.04 LTS

CPU: 2 GHz dual core processor or better

RAM: 2 GB system memory

HDD or SSD: 50 GB of free hard drive space

Installation media: Either a USB flash drive or DVD

Network: Highspeed Internet access is essential

2. Installing Ubuntu Linux

PLEASE NOTE THAT **BASIC LINUX KNOWLEDGE AND EXPERIENCE ARE REQUIRED TO PROCEED WITH THE FOLLOWING STEPS.**

Step 1 Download Ubuntu Linux from URL: <http://releases.ubuntu.com/16.04/>

Server edition: ubuntu-16.04.{x}-server-amd64.iso

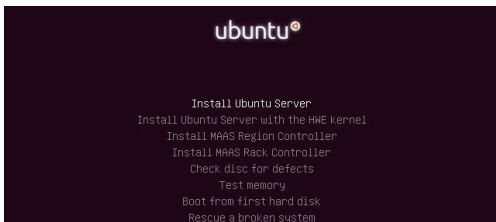
Step 2 Clone the iso file to a DVD or a USB flash drive as a bootable device.

Step 3 Install Ubuntu 64 bits 16.04 LTS

Please insert a flash drive or a disc containing Ubuntu installer into the USB port or the DVD drive and restart your computer. Then, follow the guide on Ubuntu website to install the OS on an x86 computer or server.

Here are some reminders to prepare you for the installation.

A. Choose your install: Select the first option, **Install Ubuntu Server**, in the main menu.



- B. Set up users and passwords: Please **DO NOT** use **administrator**, **webadmin** and **smbuser**, the reserved accounts of CMS-SE, as the user name.

[!] Set up users and passwords

Select a username for the new account. Your first name is a reasonable choice. The username should start with a lower-case letter, which can be followed by any combination of numbers and more lower-case letters.

Username for your account:

caivin

<Go Back>

<Continue>

- C. Partition your hard drive: Choose **Guided – use entire disk** and the installer will guide you through partitioning the hard drive.

- D. Configure taskel: Please select the first option - **No automatic updates**. Otherwise CMS-SE may not function normally after unexpected Ubuntu updates.

[!] Configuring taskel

Applying updates on a frequent basis is an important part of keeping your system secure.

By default, updates need to be applied manually using package management tools. Alternatively, you can choose to have this system automatically download and install security updates, or you can choose to manage this system over the web as part of a group of systems using Canonical's Landscape service.

How do you want to manage upgrades on this system?

No automatic updates

Install security updates automatically

Manage system with Landscape

- E. Select software: Please select **standard system utilities** and **OpenSSH server** to install the two software.

[!] Software selection

At the moment, only the core of the system is installed. To tune the system to your needs, you can choose to install one or more of the following predefined collections of software.

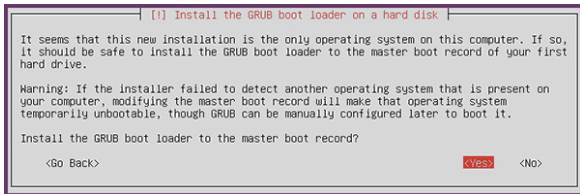
Choose software to install:

```

[ ] Manual package selection
[ ] DNS server
[ ] LAMP server
[ ] Mail server
[ ] PostgreSQL database
[ ] Samba file server
[*] standard system utilities
[ ] Virtual Machine host
[x] OpenSSH server
  
```

<Continue>

- F. Install the GRUB boot loader on a hard disk: Select **Yes** to install it.



Step 4 Log in Ubuntu

Once the installation is complete, log in Ubuntu with the password created during the installation process.

```

Ubuntu 16.04.3 LTS ubuntu tty1
ubuntu login: cayin
Password:
Welcome to Ubuntu 16.04.3 LTS (GNU/Linux 4.4.0-87-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

214 packages can be updated.
125 updates are security updates.

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

cayin@ubuntu:~$ sudo su
[sudo] password for cayin: _

```

Please proceed to install CMS Software after you have installed the operating system and logged in Ubuntu successfully.

3. Installing CMS software

You can choose either one of the following methods and proceed accordingly to install CMS software.

3.1 Installing CMS from DVD or USB flash drive

Step 1 Install CMS software

Please insert a flash drive or a disc containing CMS-SE installer into the USB port or the DVD drive. Then, use the following commands to install CMS software:

```
$ sudo mkdir /mnt/cmsse
```

```
[sudo] password for your account: <enter your password>
```

```
$ sudo mount <your DVD/USB media path> /mnt/cmsse
```

```
$ sudo cp /mnt/cmsse/I_10.2.17165-ubuntu-16.04-amd64.run /mnt
```

```
$ sudo chmod 755 /mnt/I_10.2.17165-ubuntu-16.04-amd64.run
```

```
$ sudo sh /mnt/I_10.2.17165-ubuntu-16.04-amd64.run
```

NOTE

Please replace **<your DVD/USB media path>** with your real upload path. The file name **"I_10.2.17165-ubuntu-16.04-amd64.run"** may be changed due to firmware version change.

```
cayin@ubuntu:~$ sudo mkdir /mnt/cmsse
[sudo] password for cayin:
cayin@ubuntu:~$ sudo mount /dev/cdrom /mnt/cmsse/
mount: /dev/sr0 is write-protected, mounting read-only
cayin@ubuntu:~$ sudo cp /mnt/cmsse/I_10.2.17165-ubuntu-16.04-amd64.run /mnt/
cayin@ubuntu:~$ sudo chmod 755 /mnt/I_10.2.17165-ubuntu-16.04-amd64.run
cayin@ubuntu:~$ sudo sh /mnt/I_10.2.17165-ubuntu-16.04-amd64.run
```

DVD

```
cayin@ubuntu:~$ sudo mkdir /mnt/cmsse
[sudo] password for cayin:
cayin@ubuntu:~$ sudo mount /dev/sdb1 /mnt/cmsse/
cayin@ubuntu:~$ sudo cp /mnt/cmsse/I_10.2.17165-ubuntu-16.04-amd64.run /mnt/
cayin@ubuntu:~$ sudo chmod 755 /mnt/I_10.2.17165-ubuntu-16.04-amd64.run
cayin@ubuntu:~$ sudo sh /mnt/I_10.2.17165-ubuntu-16.04-amd64.run_
```

USB

Step 2 Press any key to reboot the server after the installation is complete. Then you can log in the Web Manager of CMS in your PC browser.

- Default Username: **administrator** / Default Password: **admin**

3.2 Uploading CMS-SE Installer by SFTP

Step 1 Install SFTP service

- A. Close **apt-daily** service

```
$ sudo systemctl stop apt-daily.timer
```

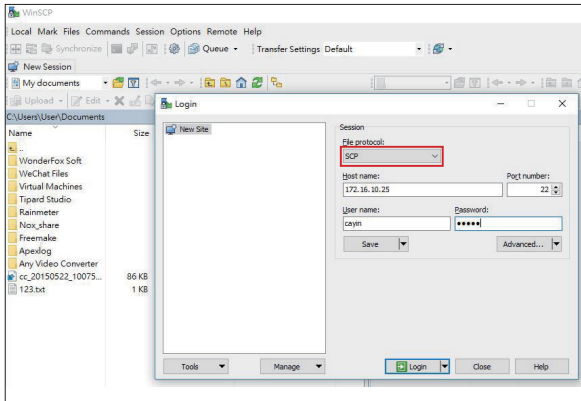
```
$ sudo systemctl stop apt-daily.service
```

- B. Update and install packages

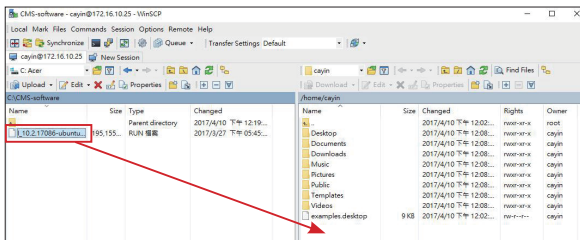
```
$ sudo apt-get update
```

```
$ sudo apt-get install openssh-server
```

Step 2 Use any SFTP software (e.g. Filezilla or Winscp) to connect to Ubuntu (you must have the IP address) and enter the username and password mentioned above. You must set transfer protocol to **SCP**.

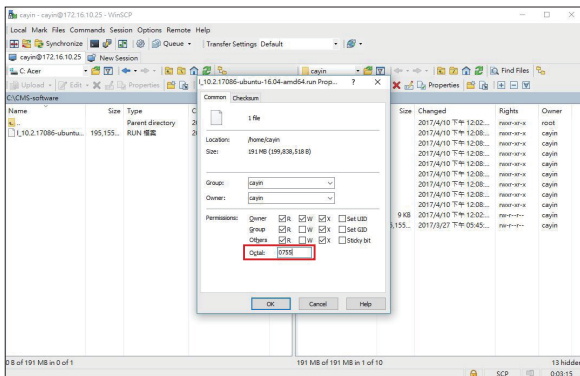


Step 3 Upload CMS installation file (l_10.2.17xx-ubuntu-16.04-amd64.run) to Ubuntu. You can upload the file to any directory but we suggest uploading it to your user home folder.



NOTE
The file name "`l_10.2.17xx-ubuntu-16.04-amd64.run`" may be changed due to firmware version change.

Step 4 Change the CMS installation file's attribute to **0755**. You can either do it on the FTP software or on the command console on Ubuntu.



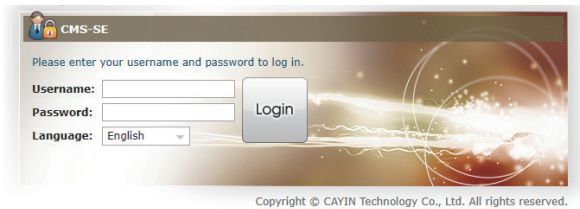
Step 5 Install CMS Software. Open a remote-access program via SSH, such as Putty. Connect to CMS's console remotely and use the commands in the instructions below to install CMS software via SFTP:

```
$sudo sh ./I_10.2.17xxx-ubuntu-16.04-amd64.run
```

```
[sudo] password for your account: <enter your password>
```

```
cayin@ubuntu:~$ sudo sh ./I_10.2.17165-ubuntu-16.04-amd64.run  
[sudo] password for cayin: █
```

Step 6 Press any key to reboot the server after the installation is complete. Then you can log in the Web Manager of CMS in your PC browser.

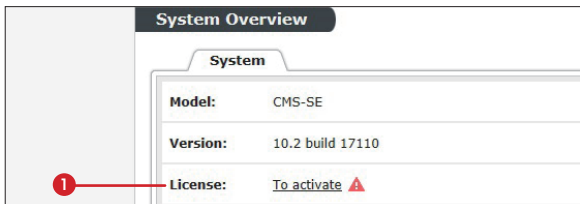


- Default Username: **administrator**
- Default Password: **admin**

4. Activating your CMS-SE

Once you are logged in, you will need to activate the software to complete the installation process, otherwise your CMS server can only manage one SMP player.

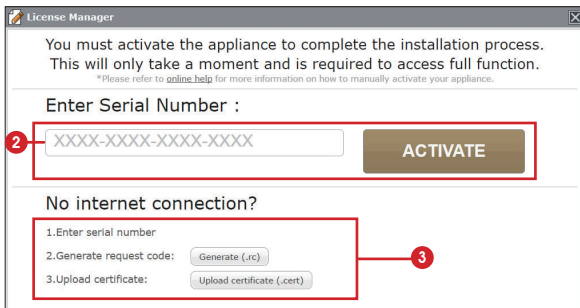
Step 1 Click on the **Activate** button in System Overview, under **System**>**License**.



Step 2 If the server has internet connection, enter your serial number and click **Activate**. The activation process should complete in a few seconds.

Step 3 If the server is not connected to the internet, enter your serial number and click **Generate**. You will have to mail the generated **.rc** file to your sales representative. Once your representative completes the activation, you will receive a reply with an activated **.cert** file. Choose the **.cert** file, and click **Upload**.

(Please refer to Online Help for more information on activating your CMS)



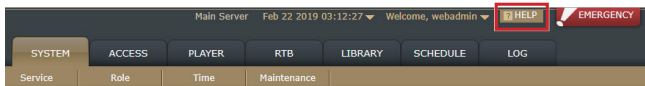
5. Online Help

The CMS-SE User's Guide provides more detailed information of all features.

If you have trouble installing Ubuntu Linux either on a physical server or inside a VM (Virtual Machine), please click the link below to read the more detailed installation guide.

<http://onlinehelp.cayintech.com/cmsServer/CMS-SE-installation-EN.html>.

If you have questions about any specific function, please log in Web Manager, go to the configuration page of that specific function and click **HELP** on top of the window. Then the system will show you the reference information of that function.



CAYIN Technology Co., Ltd.

8F-2, No. 577, Linsen N. Rd.

Taipei City 104, Taiwan

TEL: +886-2-25951005

FAX: +886-2-25951050

<https://www.cayintech.com>

Copyright © 2019 CAYIN TECHNOLOGY CO., LTD. All Rights Reserved.

All contents in this manual are the intellectual property of CAYIN Technology Co., Ltd. All brand names, icons, and trademarks that are not the property of CAYIN Technology are the property of their respective holders.

目 錄

1. 系統需求	12
2. 安裝 Ubuntu Linux 作業系統	12
3. 安裝 CMS 軟體	15
3.1 由 DVD 光碟或 USB 隨身碟安裝 CMS.....	15
3.2 由 SFTP 上傳 CMS-SE 安裝程式.....	16
4. 啟用 CMS-SE 軟體	19
5. 線上說明	20

1. 系統需求

OS: Ubuntu 64 bits 16.04 LTS

CPU: 2 GHz 雙核心或以上處理器

RAM: 2 GB 系統記憶體

HDD 或 SSD: 50 GB 可用硬碟空間

安裝媒介: USB 快閃磁碟機或 DVD 光碟機

網路: 高速網際網路連結是必須的

2. 安裝 Ubuntu Linux 作業系統

請注意！您必須具備基本 Linux 作業系統的操作經驗與知識，來進行下列安裝步驟。

步驟 1 由下列連結下載 Ubuntu Linux：<http://releases.ubuntu.com/16.04/>

伺服器版 (Server edition)：ubuntu-16.04.{x}-server-amd64.iso

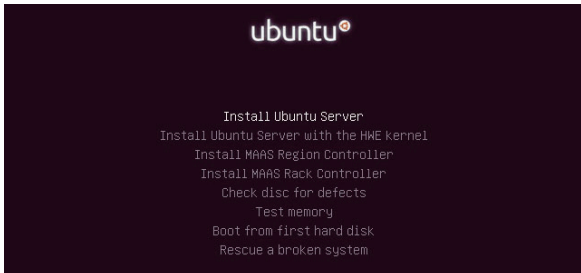
步驟 2 將 iso 檔複製到 DVD 或 USB 隨身碟，成為一個可開機的裝置。

步驟 3 安裝 Ubuntu 64 bits 16.04 LTS

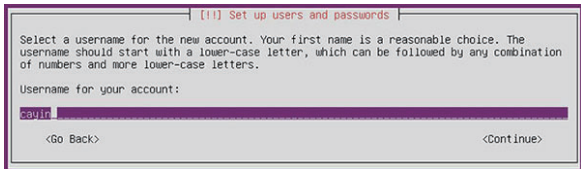
請將內有 Ubuntu 安裝程式的磁碟片或隨身碟，放入 DVD 磁碟機或連上 USB 連接埠，然後重新開啟電腦。之後，請依循 Ubuntu 網站的安裝指示，將 Linux 作業系統安裝在一個 x86 電腦或伺服器裡。

以下列出幾項安裝過程中需注意事項：

A. 選擇安裝項目：點選主選單的第一個項目：**Install Ubuntu Server**。

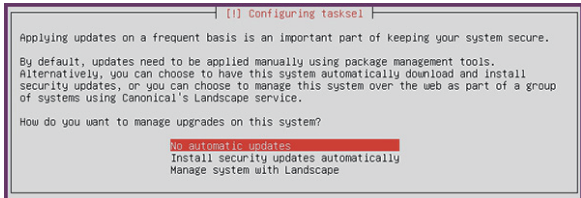


- B. 設定使用者帳號與密碼：請避免將 **administrator**、**webadmin** 與 **smbuser** 設定為此處的使用者名稱，因為這三個帳號為 CMS-SE 軟體裡的保留帳號。

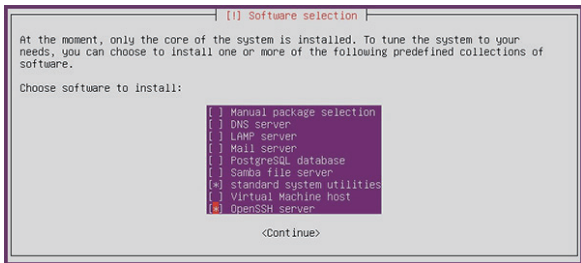


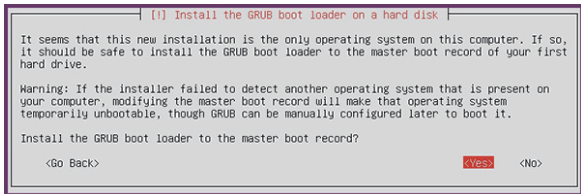
- C. 分割硬碟：選擇 **Guided – use entire disk**，然後安裝程式會一步步引導您完成硬碟分割。

- D. 設定 tasksel：請選擇第一個選項 - **No automatic updates** (不要自動更新)。否則，任何未預期的 Ubuntu 更新都可能導致 CMS-SE 系統錯誤。



- E. 選擇軟體：請選擇安裝 **standard system utilities** 與 **OpenSSH server** 這兩種軟體。



F. 在硬碟上安裝 GRUB boot loader：選擇 **Yes** 安裝。

步驟 4 登入 Ubuntu

一旦安裝完成，請使用安裝過程中設定的密碼登入 Ubuntu。

```

Ubuntu 16.04.3 LTS ubuntu tty1
ubuntu login: cayin
Password:
Welcome to Ubuntu 16.04.3 LTS (GNU/Linux 4.4.0-87-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

214 packages can be updated.
125 updates are security updates.

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

cayin@ubuntu:~$ sudo su
[sudo] password for cayin: _

```

在您安裝完成作業系統，並成功登入 Ubuntu 後，請繼續下一個程序—安裝 CMS 軟體。

3. 安裝 CMS 軟體

您可以選擇下列二種方式之一安裝 CMS 軟體，請依相對應的步驟進行安裝。

3.1 由 DVD 光碟或 USB 隨身碟安裝 CMS

步驟 1 先插入含 CMS-SE 安裝檔案的 USB 隨身碟或 DVD 光碟，使用下列指令由 DVD 光碟或 USB 隨身碟來安裝 CMS 軟體：

```
$ sudo mkdir /mnt/cmsse
[sudo] password for your account: <enter your password>
$ sudo mount <your DVD/USB media path> /mnt/cmsse
$ sudo cp /mnt/cmsse/I_10.2.17165-ubuntu-16.04-amd64.run /mnt
$ sudo chmod 755 /mnt/I_10.2.17165-ubuntu-16.04-amd64.run
$ sudo sh /mnt/I_10.2.17165-ubuntu-16.04-amd64.run
```

注意

請置換 **<your DVD/USB media path>** 為實際上載的路徑。指令中的 **"I_10.2.17165-ubuntu-16.04-amd64.run"** 檔案名可能會依韌體版本不同而改變。

```
cayin@ubuntu:~$ sudo mkdir /mnt/cmsse
[sudo] password for cayin:
cayin@ubuntu:~$ sudo mount /dev/cdrom /mnt/cmsse/
mount: /dev/sr0 is write-protected, mounting read-only
cayin@ubuntu:~$ sudo cp /mnt/cmsse/I_10.2.17165-ubuntu-16.04-amd64.run /mnt/
cayin@ubuntu:~$ sudo chmod 755 /mnt/I_10.2.17165-ubuntu-16.04-amd64.run
cayin@ubuntu:~$ sudo sh /mnt/I_10.2.17165-ubuntu-16.04-amd64.run
```

DVD

```
cayin@ubuntu:~$ sudo mkdir /mnt/cmsse
[sudo] password for cayin:
cayin@ubuntu:~$ sudo mount /dev/sdb1 /mnt/cmsse/
cayin@ubuntu:~$ sudo cp /mnt/cmsse/I_10.2.17165-ubuntu-16.04-amd64.run /mnt/
cayin@ubuntu:~$ sudo chmod 755 /mnt/I_10.2.17165-ubuntu-16.04-amd64.run
cayin@ubuntu:~$ sudo sh /mnt/I_10.2.17165-ubuntu-16.04-amd64.run_
```

USB

步驟 2 安裝完成後，請按任意鍵重新啟動伺服器。然後您將可以由個人電腦的瀏覽器登入 CMS 伺服器的管理介面 Web Manager。

- 預設的使用者名稱：**administrator**
- 預設的密碼：**admin**

3.2 由 SFTP 上傳 CMS-SE 安裝程式

步驟 1 安裝 SFTP 服務

A. 關閉 **apt-daily** 服務

```
§ sudo systemctl stop apt-daily.timer
```

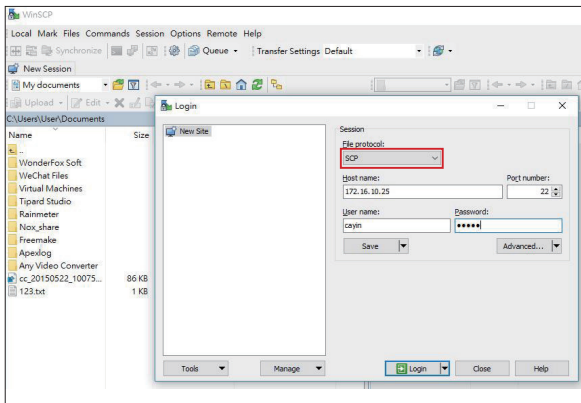
```
§ sudo systemctl stop apt-daily.service
```

B. 更新與上傳套件

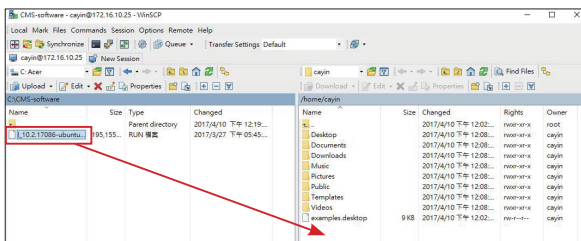
```
§ sudo apt-get update
```

```
§ sudo apt-get install openssh-server
```

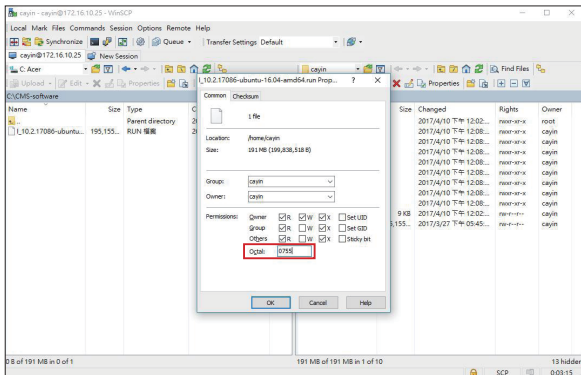
步驟 2 使用 Filezilla、Winscp 或任一 SFTP 軟體連結 Ubuntu (你必需有 IP 位置)，並輸入之前提到登入 Ubuntu 所使用的使用者名稱與密碼。你必須將檔案協定設為 **SCP**。



步驟 3 上傳 CMS 安裝檔案 (l_10.2.17xxx-ubuntu-16.04-amd64.run) 至 Ubuntu。您可以將檔案上傳至任何目錄裡，但我們建議上傳至您的主資料夾 (home folder)。



步驟 4 修改 CMS 安裝檔的屬性為 **0755**。你可以選擇在 FTP 軟體或 Ubuntu 的指令控制台裡修改。



步驟 5 安裝 CMS 軟體。打開 SSH 遠端連線軟體 (如 putty)，遠端登入到 CMS 的控制台 (console)，再使用下列指令由 SFTP 來安裝 CMS 軟體：

```
$sudo sh ./I_10.2.17xx-ubuntu-16.04-amd64.run
```

```
[sudo] password for your account: <enter your password>
```

```
cayin@ubuntu:~$ sudo sh ./I_10.2.17165-ubuntu-16.04-amd64.run  
[sudo] password for cayin: █
```

步驟 6 安裝完成後，請按任意鍵重新啟動伺服器。然後您將可以由個人電腦的瀏覽器登入 CMS 伺服器的管理介面 Web Manager。



- 預設的使用者名稱：**administrator**
- 預設的密碼：**admin**

4. 啟用 CMS-SE 軟體

當您首次登入本機時，必須啟用軟體才能完成安裝程序，並使用軟體的完整功能。未完成啟用的 CMS，只能連接並管理一台 SMP 播放器。

步驟 1 請點擊系統概要 > 系統 > 韌體憑證中的**立即啟用**。



步驟 2 確定網路已連線後，請輸入軟體序號 (Serial Number) 並點擊**啟用**。

步驟 3 若您的機器無法連線至網路，或是線上啟用無法辨識網路時，請輸入軟體序號並點擊**產生認證碼**；.rc 認證檔產生後，請手動 email 至您的銷售人員信箱，您的銷售人員將會進行認證程序並提供 .cert 憑證檔，請選擇憑證檔，並點擊**上傳憑證**。

(欲瞭解手動啟用詳情，請參閱線上手冊。)



5. 線上說明

CMS-SE 的線上使用說明能提供所有功能的詳盡解說。

若您對於 Ubuntu Linux 作業系統安裝仍有疑問，不論是裝在實體伺服器還是虛擬機器（VM），皆可點擊下列連結，參閱更詳盡的軟體安裝指南。

<http://onlinehelp.cayintech.com/cmsServer/CMS-SE-installation-TW.html>.

若您對於某項功能的操作方式有疑問，請登入 Web Manager 並進往該功能的設定頁，然後點擊位於視窗上方的【求助】，系統將會顯示該功能的使用說明頁。



鎧應科技股份有限公司

104 台北市中山區林森北路 577 號 8 樓之 2

電話：(02) 2595 1005

傳真：(02) 2595 1050

<https://www.cayintech.com/tw/>

著作權 © 2019 鎧應科技股份有限公司。版權所有。

本手冊的所有內容，其著作財產權歸鎧應科技股份有限公司所有。使用手冊中所提到的非鎧應科技的產品、名稱或註冊商標，均屬於其合法註冊公司所有。



TEL: +886-2-25951005 FAX: +886-2-25951050

<https://www.cayintech.com>

電話 : (02) 2595 1005 傳真 : (02) 2595 1050

<https://www.cayintech.com/tw/>