VirtualBox 安裝使用説明

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1、安裝主程式

> Linux

下載安裝程式,目前最新版本為1.3.2,下網址如下所示:

http://www.virtualbox.org/download/1.3.2/VirtualBox_1.3.2_Linux_x86.run

檢查是否已經安裝 compat-libstdc++-33,或者用以下指令安裝 # yum install compat-libstdc++-33

然後請執行以下 VirtualBox 安裝指令:

chmod +x ./VirtualBox_1.3.2_Linux_x86.run
./VirtualBox_1.3.2_Linux_x86.run install

> Windows

下載安裝程式,目前最新版本為1.3.2,下網址如下所示:

http://www.virtualbox.org/download/1.3.2/VirtualBox_1.3.2_Win_x86.msi

直接點選程式,按「Next」一直到安裝結束即可。

2、建立新的虛擬機器

在 linux 中,請執行「系統」中的「Inno Tek VirtualBox」,在 Windows 中,請 在「開始」->「程式集」->「Inno Tek VirtualBox」中執行「VirtualBox」執行 畫面如圖 1 所示。

🛩 Im	10 Tek	. Virtua	lBox						- 🗆 X
File	<u>V</u> M	[<u>H</u> el <u>r</u>	þ						
F		Ho (M	J KM	KM		🔅 Details	Snapshots		
Mor		o 📻	Doloto	Ctowt	Discord			 	
INEM		annes	Detete	,Start	Discaro				
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圖 1: VirtualBox 啓動畫面

一開始都沒有設定虛擬機器,所以一片空白,要新增虛擬機器,請按下圖1左方上的「New」圖示,會出現圖2的畫面。

🕶 Create New Virtual Machine 🗖 🗙						
Welcome to the New Virtual Machine Wizard!						
tek Virtua	This wizard will guide you through the steps that are necessary to create a new virtual machine for VirtualBox. Use the Next button to go the next page of the wizard and the Back button to return to the previous page.					
	< Back Cancel	ן				

圖2:新增虛擬機器(第1步)

接下來再按「Next」鍵,出現圖3的畫面,「Name」可隨意設定,「OS Type」 請依照要模擬的作業系統設定,「Pupa 5」為Linux 2.6。

🗙 Create New Virtual Ma	achine 🗖 🗶					
VM Name and OS	VM Name and OS Type					
tek Virtue	Enter a name for the new virtual machine and select a type of the guest operating system you plan to install in the machine. The name of the virtual machine usually indicates its software and hardware configuration. It will be used by all VirtualBox products to identify the created virtual machine. Name 测试用虚擬Linux					
	< <u>B</u> ack <u>Next</u> <u>C</u> ancel					

圖3:新增虛擬機器(第2步)

完成後,請按「Next」,進到圖4畫面,請設定記憶體大小,最好用256MB。

🗙 Create New Virtual M	achine 🗖 🗶
Memory	
tek Virtue	Select the amount of base memory (RAM) in megabytes to be allocated to the virtual machine. The recommended base memory size is 128 MB. Base Memory Size
	< <u>B</u> ack <u>N</u> ext > <u>C</u> ancel

圖4:新增虛擬機器(第3步)

接下來再按「Next」鍵,出現圖5的畫面,預設沒有硬體,請按下「New」新增。

🛩 Create New Virtual Ma	achine 🗖 🗙				
Virtual Hard Disk					
tek Virtua	Select a hard disk image to be used as a boot hard disk of the virtual machine. You can either create a new hard disk using the New button or select an existing hard disk image from the drop-down list or by pressing the Existing button (to invoke the Virtual Disk Manager dialog). If you need a more complicated hard disk setup, you can also skip this step and attach hard disks later using the VM Settings dialog. The recommended size of the boot hard disk is 8000 MB. Boot Hard Disk (Primary Master)				
	< <u>B</u> ack <u>Next</u> <u>C</u> ancel				

圖 5:新增虛擬機器(第5步)

接下來到圖6新增硬碟的畫面。



圖 6:新增虛擬硬碟(第1步)

接下來再按「Next」鍵,出現圖7的畫面,設定硬碟型態,請選擇「Dynamically

Create New Virtual D	isk 🗖 🛪
Virtual Disk Imag	е Туре
	Select the type of virtual hard disk image you want to create. A dynamically expanding image initially occupies a very small amount of space on your physical hard disk. It will grow dynamically (up to the size specified), as the Guest OS makes the usage of the disk space. A fixed-size image does not grow up. It is stored in the file of approximately the same size as the size of the virtual hard disk. Image Type Dynamically expanding image Fixed-size image
	< Back Next > Cancel

圖 7:新增虛擬硬碟(第2步)

接下來再按「Next」鍵,出現圖8的畫面,請設定檔名、位置及硬碟大小。

💙 Create New Virtual I	Disk 🗖 🗶
Virtual Disk Loca	ation and Size
	Press the Select button to select the location and name of the file to store the virtual hard disk image or type a file name in the entry field.
	測試用虛擬Linux Select the size of the virtual hard disk image in megabytes. This size will be reported to the Guest OS as the size of the virtual hard disk.
	Image Size 3.81 GB 4.00 MB 2.00 TB
	< <u>B</u> ack <u>N</u> ext > <u>C</u> ancel

圖8:新增虛擬硬碟(第3步)

接下來再按「Next」鍵,出現圖9的畫面,看看是否設定正確。

🗙 Create New Virtual D	isk	
Summary		
	You are goin the following	g to create a new virtual hard disk image with parameters:
	Туре: Location: Size:	Dynamically expanding image /root/.VirtualBox/VDI/測試用虛擬Linux.vdi 8000 MB
	If the above s Once you pre	settings are correct, press the Finish button. ass it, a new hard disk image will be created.
		< <u>Back</u> <u>Finish</u> <u>Cancel</u>

圖 9:新增虛擬硬碟(第4步)

接下來再按「Finish」鍵,出現圖10的畫面。

🗙 Create New Virtual Ma	ichine 🗖 🗙					
Virtual Hard Disk	Virtual Hard Disk					
tek Virtua	Select a hard disk image to be used as a boot hard disk of the virtual machine. You can either create a new hard disk using the New button or select an existing hard disk image from the drop-down list or by pressing the Existing button (to invoke the Virtual Disk Manager dialog). If you need a more complicated hard disk setup, you can also skip this step and attach hard disks later using the VM Settings dialog. The recommended size of the boot hard disk is 8000 MB. Boot Hard Disk (Primary Master) 则武用虚擬Linux.vdi (/root/.VirtualBoz/VDI)					
	< <u>B</u> ack <u>Next</u> <u>C</u> ancel					

圖10:新增虛擬機器(第5步)

接下來再按「Next」鍵,出現圖11的畫面,確認虛擬機器設定是否正確。

💙 Create New Virtual Ma	nchine	
Summary		
	You are going to cr parameters:	eate a new virtual machine with the following
	Name:	測試用虛擬Linux
	OS Type:	Linux 2.6
	Base Memory:	256 MB
tek Virtua	Boot Hard Disk:	測試用虛擬Linux.vdi (/root/.VirtualBox/VDI)
	If the above is corr new virtual machin	ect press the Finish button. Once you press it, a e will be created.
	Note that you can a machine at any time menu of the main v	lter these and all other setting of the created virtual e using the Settings dialog accessible through the vindow.
		< <u>B</u> ack <u>F</u> inish <u>C</u> ancel

圖11:新增虛擬機器(第6步)

確認後,按下「Finish」鍵,會出現圖12的畫面,即新增完成。

💙 Inno Tek VirtualBox				- 🗆 🗙
<u>F</u> ile <u>V</u> M <u>H</u> elp				
🕎 😼 🙀 🐼 🚺	🌼 <u>D</u> e	tails <u>S</u> napsh	ots	
New Settings Delete Start Discard		General		
調試用虛擬Linux [●] Powered Off		Name OS Type Base Memory Video Memory Boot Order ACPI LO APIC	測試用虛擬Linux Linux 2.6 256 MB 8 MB Floppy, CD/DVD-ROM, Hard Disk Enabled Disabled	
	0	Hard Disks IDE 0 Master	測試用虛擬Linux.vdi [Normal, 3.81 GB]	
	E	Floppy Not mounted		
	٢	CD/DVD-ROM Not mounted		
	₽	Audio Disabled		•

圖 12:完成新增虛擬機器

3、設定虛擬機器

▶ 設定光碟機

VirtualBox 可以使用實體光碟機或是 ISO 進行系統開機,請在 VirtualBox 主畫面 中按下「Settings」,並選擇「CD/DVD-ROM」,如圖 13 所示。

➤ 測試用虛擬Linux - Se	ttings 🖸 🗙
📃 General	CD/DVD-ROM
Hard Disks	
Floppy	
	O Host CD/DVD Drive /dev/cdrom ▼
W Audio	O <u>I</u> SO Image File
UCD	· · · · · · · · · · · · · · · · · · ·
J USB	
	Celect a cettings actemants from the list on the left side and make the mance
	over a settings item to get more information.
Help	<u>O</u> K Cancel

圖13:光碟機設定

如果要使用光碟機,請在圖 13 中勾選「Mount CD/DVD Drive」,然後下方的選項就會出現,如圖 14 所示,此設定是使用實體光碟機。

▼ 測試用虛擬Linux - Settings □ ¥						
 K記用座級Linux - Se General Hard Disks Floppy CD/DVD-ROM Audio Network USB 	ttings CD/DVD-ROM Mount CD/DVD Drive Host CD/DVD Drive /dev/cdrom ISO Image File					
Help	Displays the image file to mount to the virtual CD/DVD drive and allows to quickly select a different image. QK Cancel					

圖 14:設定啓動實體光碟機

如果要使用 ISO 檔來模擬光碟機的話,請勾選「ISO Image File」,並指定其路徑, 如圖 15 所示。

✓ 湯試用虛擬Linux - Se	ttings
 General Hard Disks Floppy CD/DVD-ROM Audio Network ✓ USB 	CD/DVD-ROM Mount CD/DVD Drive Host CD/DVD Drive Iso Image File test.iso (/data/burn/test.iso)
Help	<u>O</u> K Cancel

圖 15:採用 ISO 模擬為光碟機

4、啓動 Virtual Box 之虛擬主機

請在主畫面中選擇一個虛擬主機,並按下「Start」鍵,就會開始啓動虛擬系統,如圖16所示。

く迷惑	▼ 測試用虛擬Linux [Starting] - InnoTek VirtualBox 🛛 📮 🗖			
⊻M	Devices	Help		
		✓ 測試用虛擬Linux: Starting □ ★		
		Starting the virtual machine		
		0%		
		🖉 💿 💾 🖨 [🔗 [🎩 Control	_R /	

圖16: 啓動系統

5、常用快速鍵

- > 滑鼠點2下啓動視窗:將畫面主控權切換成虛擬系統。
- ▶ 右 Ctrl 鍵按 2 下:將主控權從虛擬系統切換成原有桌面系統。
- ▶ 右 Ctrl 鍵 + F 鍵: 切換成全螢幕, 再切換一次會恢復原有大小。
- ▶ 右 Ctrl 鍵 + Delete 鍵:在虛擬系統中模擬「Ctrl+Alt+Del」。
- ▶ 右 Ctrl 鍵 + Backspace 鍵:在虛擬系統中模擬「Ctrl+Alt+Backspace」。