1. 安裝前先確認 ESXi 版本,免費版並無支援,因為 60 天試用版並無功能限制, 所以有支援。在 Configuration的 Licensed Features 可看到功能差異如下



2. 下載 VMA,下載位置

http://communities.vmware.com/community/vmtn/server/vsphere/automationt



3. 將下載好的 VMA 檔案解壓縮,並安裝至 ESXi

🚱 10.1.10.220 - vSphere Client	2 Deploy OYF Template	
File Edit View Inventory Administration Plug-in	Source	
New ventory >	Select the source location.	
Deploy OVF Template		
Export >		
Report Iocalhost	Source OVE Template Details	
Browse VA Marketplace Getting S	Name and Location	1
Print Maps > Hardwa	Disk Format Ready to Complete	
Exit	Deploy from a file or URL	
Proc	原面\vMA-5.1.0.0-782391\vMA-5.1.0.0-782391_OVF10.ov/ ▼ Browse	
Men	Finter a LIRL to download and install the OVE parkage from the Internet, or	
Stor	specify a location accessible from your computer, such as a local hard drive, a	
Net	network share, or a CD/DVD drive.	
Stor		
Net		
Pow		
Softwa		
► Licer		
Time		
DNS		
Aut		
Virtu		
Sea		
Host		
Syst		
Recent Tasks	et	or Status cont
Name Target	Help Cancel ed	d Time

4. 安裝完成後將 VMA 開機,預設帳號為: vi-admin,密碼在安裝過程會要求使用 者自行設定

😰 10.1.10.220 - vSphere Client	
<u>File Edit View Inventory Administration Plug-ins</u>	Help
🕞 💽 🏠 Home 🕨 🚮 Inventory 🕨 🕻	Inventory
🗖 II 🕨 🧐 🕲 🕼 🗊 🖻	
10.1.10.220 VSphere Management Assistant (vMA) Win7	vSphere Management Assistant (vMA) Getting Started Summary Resource Allocation Performance Events Console Permissions
	localhost login: vi-admin Password: _

5. 更改 root 密碼(指令為 sudo passwd),並使用 root 登入(指令為 su root)



6. 新增 ESXi server(指令為 vifp addserver ip, 並輸入 ESXi server root 密碼), 新增 完成可輸入 vifp listservers 查看

localhost:~ # vifp addserver 10.1.10.220

localhost:~ # vifp listservers
10.1.10.220 ESXi

 將 shutdown daemon 放到任一目錄下並解壓縮 (指令為 tar xvf SD ESXi V100b1.tar)

```
localhost:/home/vi-admin/SD # tar xvf SD_ESXi_V100b1.tar
SD_ESXi/
SD_ESXi/install.sh
SD_ESXi/oslist
SD_ESXi/uGuard.tar.gz
SD_ESXi/unins.sh
localhost:/home/vi-admin/SD # ls
SD_ESXi SD_ESXi V100b1.tar
localhost:/home/vi-admin/SD #
localhost:/home/vi-admin/SD #
```

8. 安裝 SD(輸入./install.sh)



9. 設定 ESXi server IP、USHA IP 以及其餘的選項

Input ESXi servers IP:10.1.2.220 Input USHA IP Address:10.1.8.45 Input Client Name (Max 28 bytes & Only allow English and Number)(Default Root):V MA Warning Beep On?(Y/n)n Shutdown delay time is 120 seconds?(Y/n)y Estimate script file running time is 120 seconds?(Y/n)y USHA Event Polling Rate is 10 seconds?(Y/n)y Input shutdown script path: Shutdown Enable?(Y/n)y
RemoteHostIP = 10.1.8.45 ClientName = VMA WarnBeep = 0 :1 = TRUE(default): 0 = FALSE ShutdownDelayTime = 120 ForceShutdownDelay = 120 PollingRate = 10 ShutdownScript = ShutdownEnable = 1 :1 = Enable(default): 0 = Disable
Press any key to contiune

USHA 網頁可看到連結設備



10. 安裝完成,如果要查看相關指令可輸入/etc/uGuard/script/uGuard.sh h

uGuard-1.0.0b1
uGuard.sh is started.
uGuard.sh will start at next boot up time.
Enter /etc/uGuard/script folder for running uGuard.sh
localhost:/home/vi-admin/SD/SD_ESXi # /etc/uGuard/script/uGuard.sh h
Usage : ./uGuard.sh [h][v][sS][uU][d][r][p][1][e][g]
h : This manual page .
v : Show revision information.
s : Start the program now.
S : Start the program now, and restart at next boot up time.
u : Unload program now.
U : Unload program now, and don't restart at next boot time.
d : Suspend program.
r : Resume program.
p : Probe the status.
l : List configurations.
e : Modify configurations.
g : See log.

11. vSphere Client 設定 Guest shutdown (選擇『Configuration』→『Virtual Machine Startup/Shutdown』→『Properties』)

此設定目的為 ESXi server 收到關機指令時,會先將底下的 Client O.S.正常關機 之後,再將 ESXi server 關機。

localhost.ia9.org VMware ESXi, 5.1.0, 799733 Evaluation (60 days remaining)				
Getting Started Summary Virtual Machines Resource Allocation Performance, Configuration Local Users & Groups Events Permissions				
Hardware	Virtual Machine Startup and Shutdown Properties			
Health Status	Z Virtual Machine Startup and Shutdown			
Processors	System Settings			
Memory	✓ Allow virtual machines to start and stop automatically with the system			
Networking	Default Start in Delay			
Storage Adapters	For each virtual machine, delay startup for: Eor each virtual machine, delay shutdown for:			
Network Adapters	120 seconds 120 seconds			
Advanced Settings				
Power Management	Continue immediately if the VMware Tools start Shuddown Action: Guest Shuddown			
Software Licensed Features	Startup Order Power on the specified virtual machines when the system starts. During shutdown, they will be stopped in the opposite order.			
Time Configuration	Order Virtual Machine Startup Startup Delay Shutdown Shutdown Delay			
DNS and Routing	Automatic Startup Move Up			
Authentication Services	Any Order Move Down			
 Virtual Machine Startup/Shutdown 	Printing Startup			
Virtual Machine Swapfile Location	with visible 120 seconds Shut down guest 120 seconds Edit			
Security Profile				
Host Cache Configuration				
System Resource Allocation				
Status	OK Cancel Help			

12. Client O.S.要安裝 vmware tool (選擇 Inventory【Virtual Machine > Guest > Install\Upgrade VMware Tools】)



13. 關機測試,收到關機指令後先將 client O.S 關機後, ESXi server 才關機



