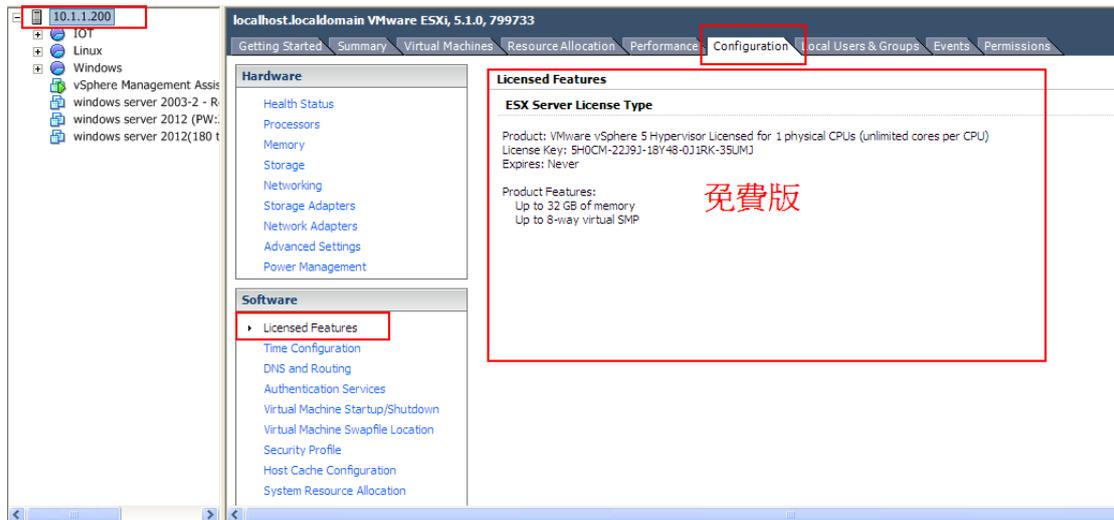
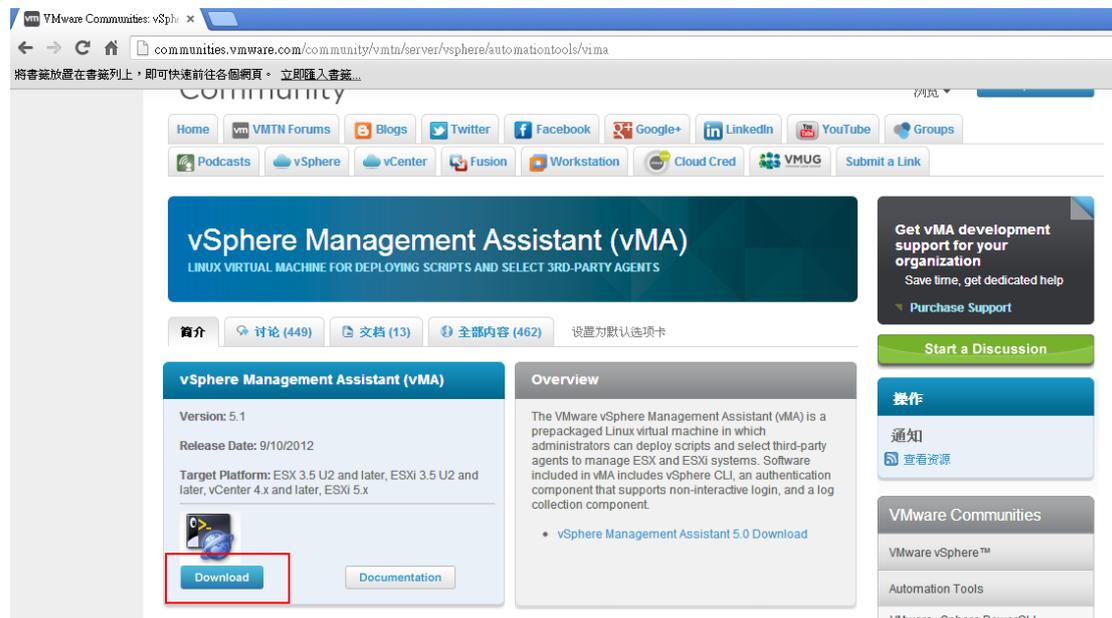


1. 安裝前先確認 ESXi 版本，免費版並無支援，因為 60 天試用版並無功能限制，所以有支援。在 Configuration 的 Licensed Features 可看到功能差異如下

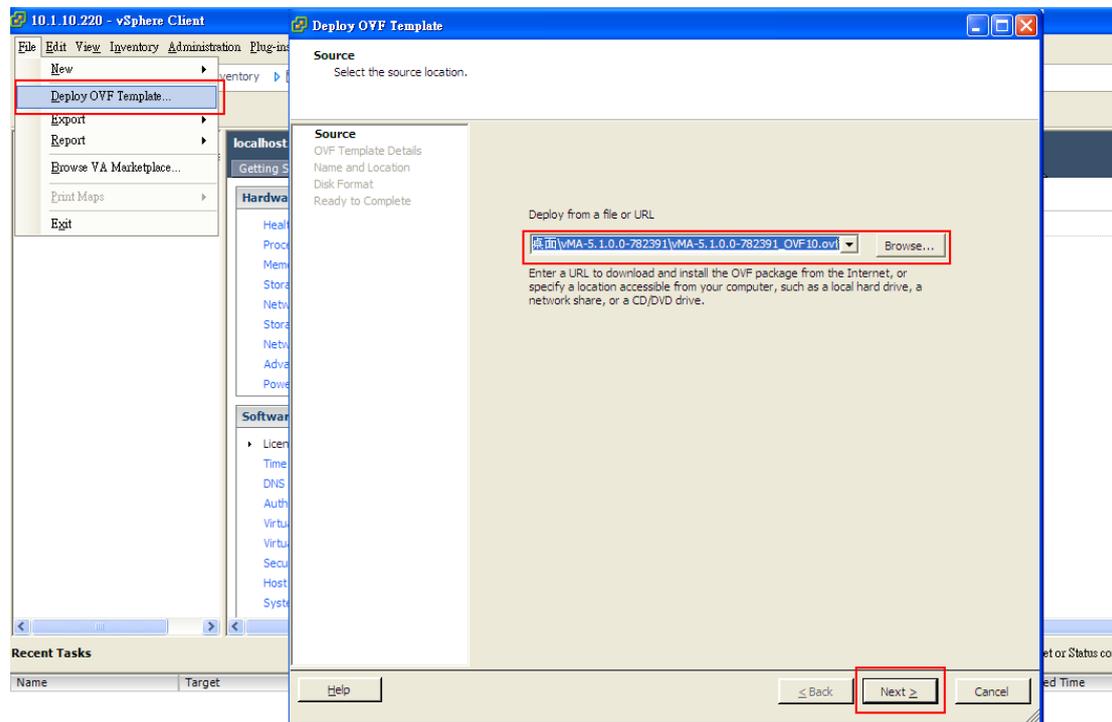


2. 下載 VMA，下載位置

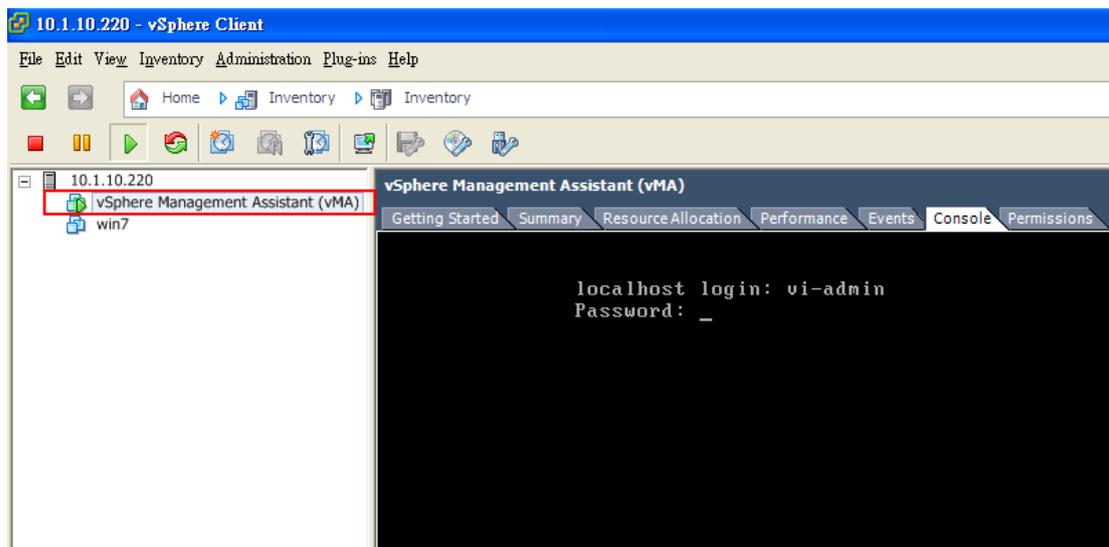
<http://communities.vmware.com/community/vmtn/server/vsphere/automationtools/vima>



3. 將下載好的 VMA 檔案解壓縮，並安裝至 ESXi



- 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



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

```
vi-admin@localhost:~/root> sudo passwd
vi-admin's password:
Changing password for root.
New UNIX password:
Retype new UNIX password:
Password changed.
vi-admin@localhost:~/root> su root
Password:
localhost:~ # _
```

- 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)

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

USHA 網頁可看到連結設備

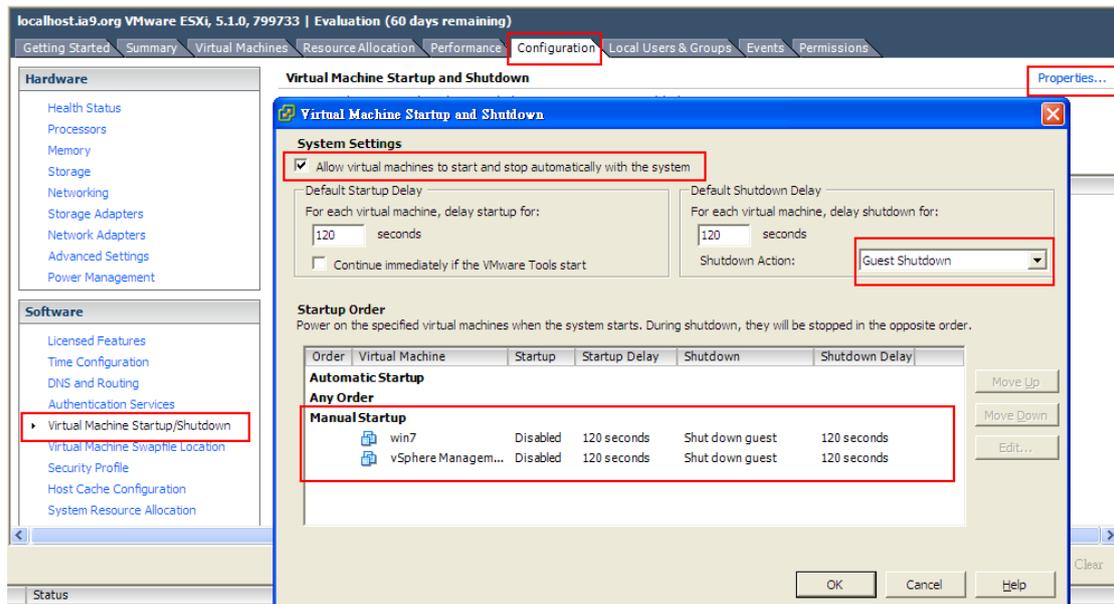


10. 安裝完成，如果要查看相關指令可輸入/etc/uGuard/script/uGuard.sh h

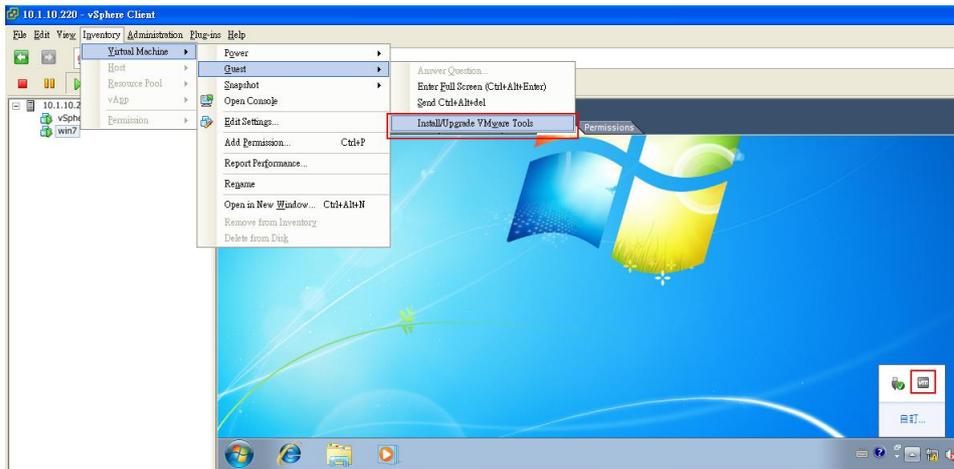
```
uGuard-1.0.0b1
uGuard.sh is started.
uGuard.sh will start at next boot up time.
Enter /etc/uGuard/script folder for running uGuard.sh
localhost:/home/vi-admin/SD/SD_ESXi # /etc/uGuard/script/uGuard.sh h
Usage : ./uGuard.sh [h][v][sS][uU][d][r][p][l][e][g]
  h : This manual page .
  v : Show revision 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。



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

