



如何部屬

N-Probe/External Receiver VM v025

2026/07/27



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前言

本文件描述在 VMware ESXi / VMware Workstation / Proxmox VE 部署及設定 N-Probe 環境。

※ 因異動 N-Probe 系統將影響到授權，因此在進行重新部署或運用 vMotion / Live Migration 進行移轉，請先通知 N-Partner Support 遠端協助。

1. 前置準備

1.1 請準備一台 Server，建議規格如下：

- ✓ CPU 建議 E-2334 (8M 快取記憶體，3.40 GHz) 以上。
- ✓ RAM 記憶體 48GB 以上。
- ✓ 硬碟空間 500G 以上，請依實際需求決定。
- ✓ 安裝 VMware ESXi 6.0 或以上的版本。

1.2 N-Probe 運行時，若要達到最佳效能，至少需要 32G RAM 記憶體空間。

1.3 請準備一台 Windows 電腦，用於管理 VMware / Proxmox VE。

1.4 請準備 N-Cloud/N-Reporter 系統，接收 N-Probe/External Receiver 送來的 Flow 或 Syslog 流量。

2. 下載 N-Probe/External Receiver VMware image

N-Probe 硬碟空間使用量，預設包含 500G 資料儲存空間與 128G 系統儲存空間，共需要有 628G 的硬碟使用空間。

VMware 的版本 N-Probe/External Receiver Image 下載地址如下

壓縮檔

https://www.npartner.com/download/vm/N-Probe7_500G.zip

HyperV 的版本 N-Probe/External Receiver Image 下載地址如下

壓縮檔

https://www.npartner.com/download/vm/Hyper-V/N-Probe7_500G.hpv.zip

註 1: 若發生 VMware 配置 OVF 檔完畢後卻無法開機，編輯 N-Probe VM 設定檔，勾選 Force BIOS (或開機時按 F2) 進入 BIOS，配置 Hard Drive(0:0) 為第一優先開機裝置。

註2: 壓縮檔內含有 (VMware OVA 檔) 跟 OVA 檔的 (MD5 驗證碼檔)。請將下載的 zip 壓縮檔用解壓縮程式 (例如 7-Zip) 解壓縮。

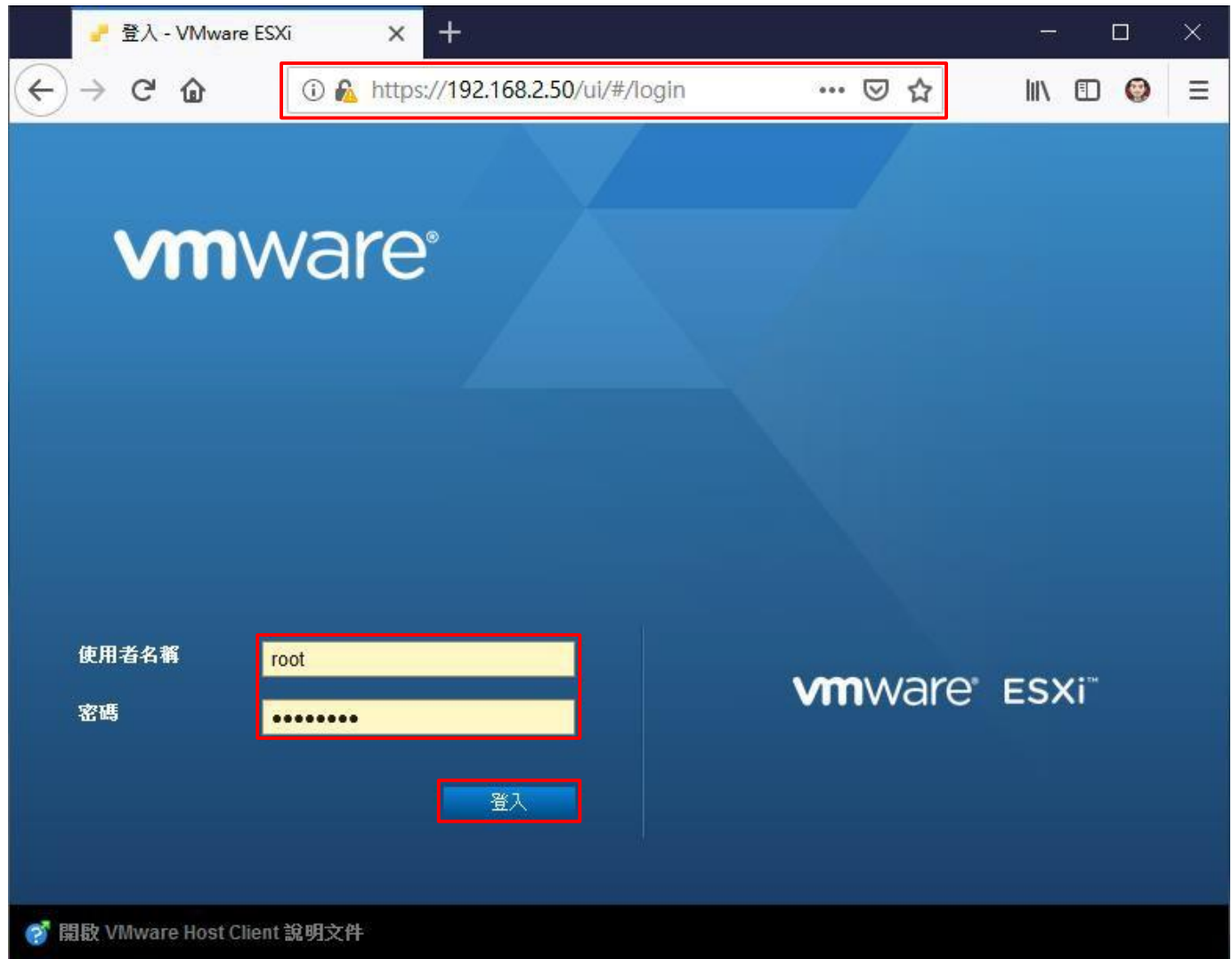
3. 安裝流程

3.1 vSphere Web Client

3.1.1 vSwitch Promiscuous Mode

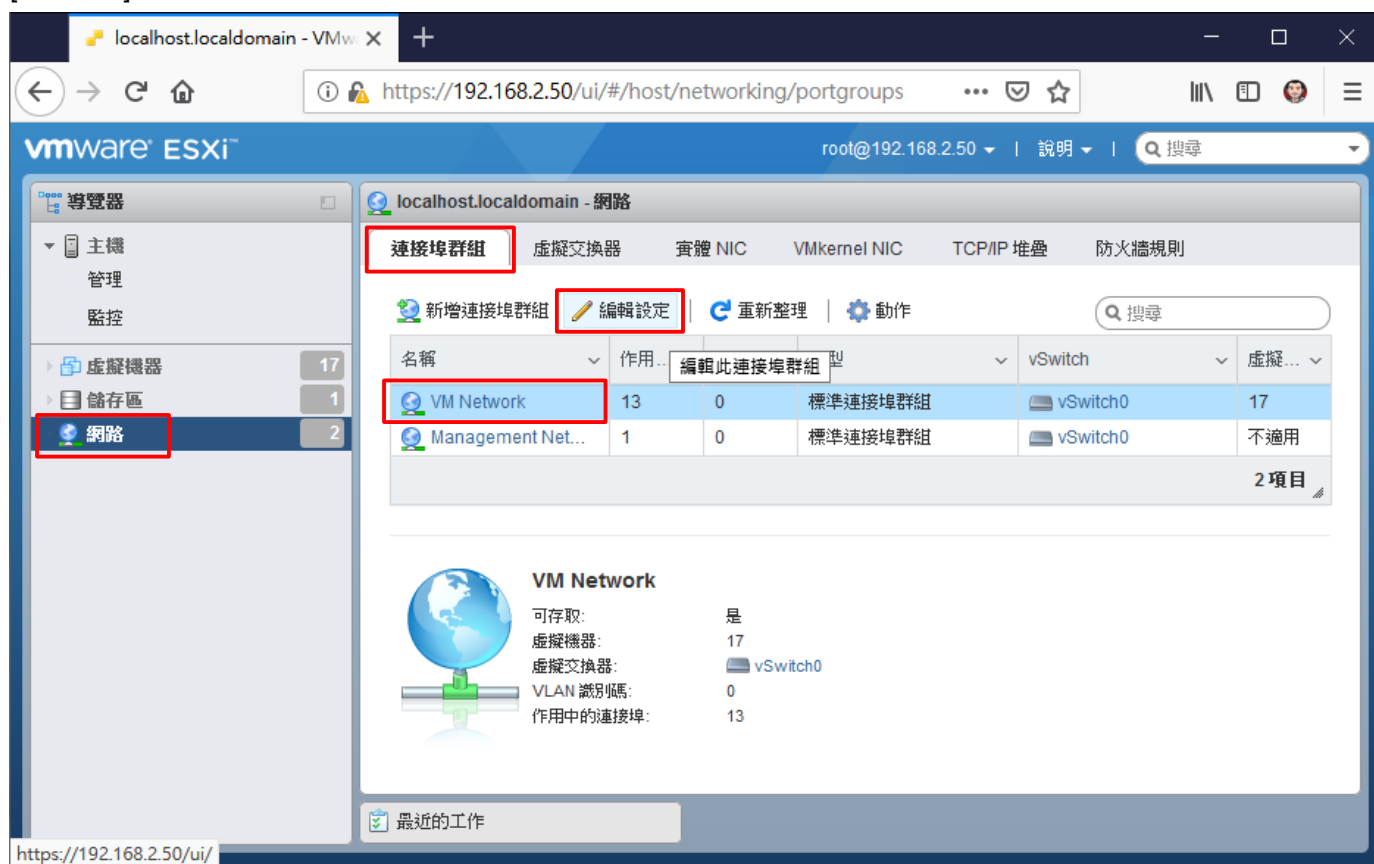
(1) 登入 VMware ESXi

開啟 [瀏覽器] -> URL 輸入 <https://<VMware IP>> -> 輸入使用者名稱和密碼 -> 按 [登入]



(2) 編輯網路設定

點選 [網路] -> [連接埠群組] 頁面 -> 選擇 N-Probe eth1 的 連接埠群組 註：請依客戶環境選擇連接埠群組 -> 點選 [編輯設定]



The screenshot displays the VMware ESXi web interface for configuring network port groups. The left-hand navigation pane shows the '網路' (Network) section selected. The main content area is titled 'localhost.localdomain - 網路' and features a tabbed interface with '連接埠群組' (Port Groups) as the active tab. Below the tabs, there are buttons for '新增連接埠群組' (Add Port Group), '編輯設定' (Edit Settings), '重新整理' (Refresh), and '動作' (Actions). A table lists the existing port groups:

名稱	作用...	編輯此連接埠群組	型	vSwitch	虛擬...
VM Network	13	0	標準連接埠群組	vSwitch0	17
Management Net...	1	0	標準連接埠群組	vSwitch0	不適用

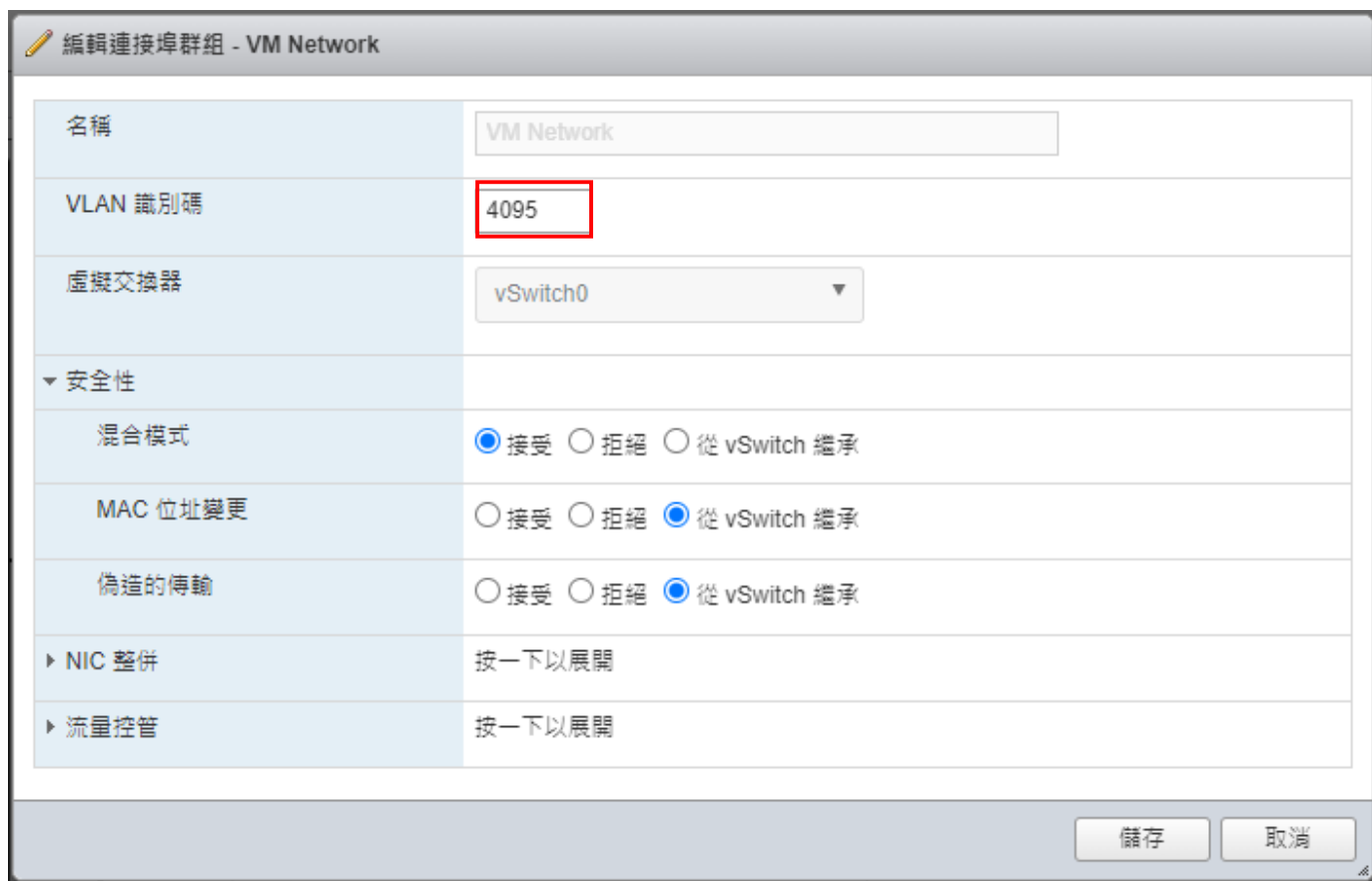
Below the table, the details for the selected 'VM Network' are shown:

VM Network

- 可存取: 是
- 虛擬機器: 17
- 虛擬交換器: vSwitch0
- VLAN 識別碼: 0
- 作用中的連接埠: 13

(3) 啟用VGT 模式

將接收 Mirror Port 的 vSwitch 網路 VLAN 識別碼設為 [4095]



編輯連接埠群組 - VM Network	
名稱	VM Network
VLAN 識別碼	4095
虛擬交換器	vSwitch0
▼ 安全性	
混合模式	☒ 接受 ☐ 拒絕 ☐ 從 vSwitch 繼承
MAC 位址變更	☐ 接受 ☐ 拒絕 ☒ 從 vSwitch 繼承
偽造的傳輸	☐ 接受 ☐ 拒絕 ☒ 從 vSwitch 繼承
▶ NIC 整併	按一下以展開
▶ 流量控管	按一下以展開
儲存 取消	

註: 若 Mirror 過來的封包有帶VLAN ID，則需要輸入對應的ID；若 Mirror 過來的封包帶有多個VLAN ID，則要輸入 4095 (代表 All) 才會看到全部VLAN ID 的流量

(4) 啟用混合模式

展開 [安全性] -> 點選混合模式: [接受] -> 按 [儲存]

編輯連接埠群組 - VM Network

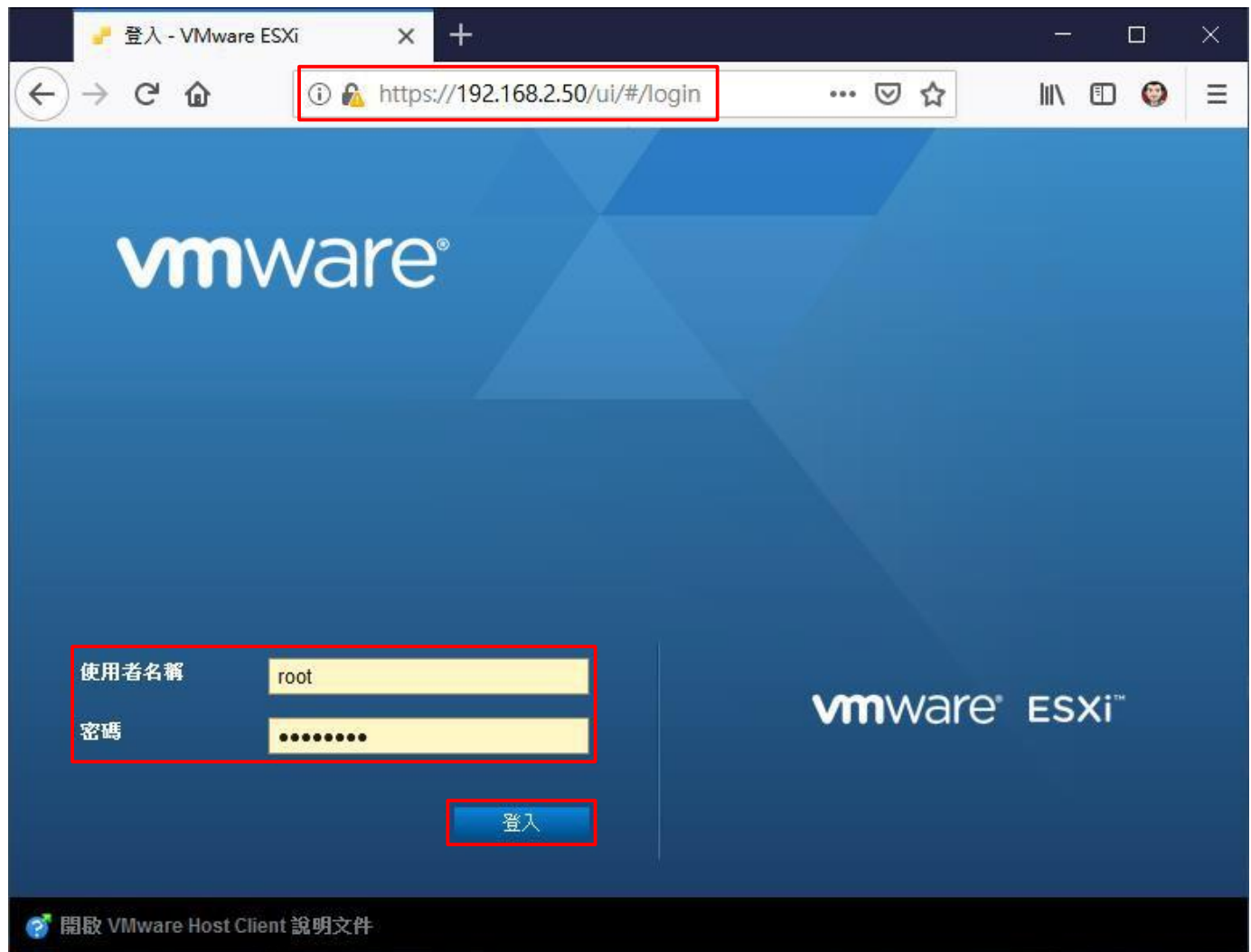
名稱	VM Network
VLAN 識別碼	4095
虛擬交換器	vSwitch0
▼ 安全性	
混合模式	☒ 接受 ☐ 拒絕 ☐ 從 vSwitch 繼承
MAC 位址變更	☐ 接受 ☐ 拒絕 ☒ 從 vSwitch 繼承
偽造的傳輸	☐ 接受 ☐ 拒絕 ☒ 從 vSwitch 繼承
▶ NIC 整併	按一下以展開
▶ 流量控管	按一下以展開

儲存 取消

3.1.2 Import N-Probe VM

(1) 登入 VMware ESXi

開啟 [瀏覽器] -> URL 輸入 <https://<VMware IP>> -> 輸入使用者名稱和密碼 -> 按 [登入]



(2) 部署虛擬機器

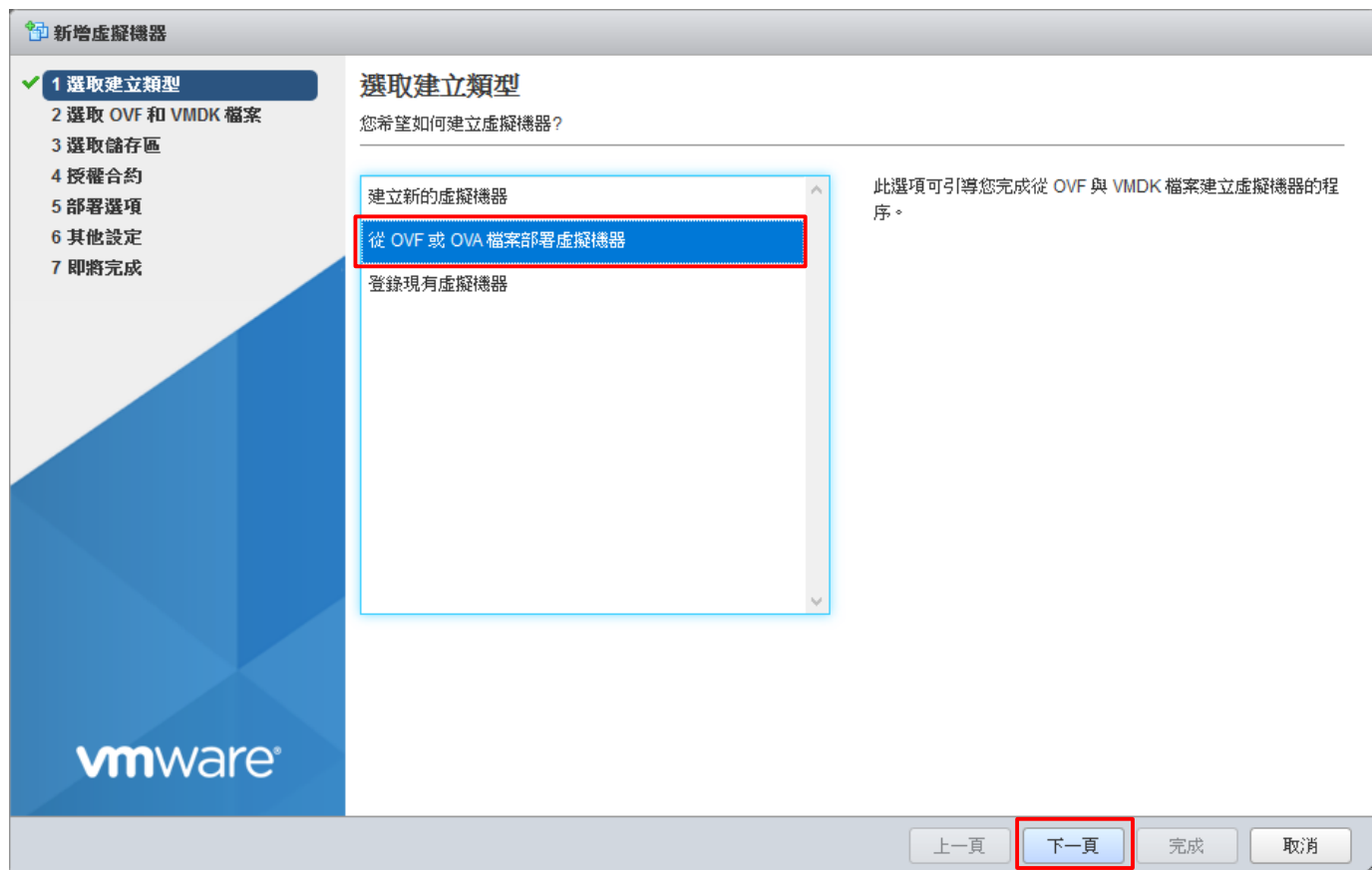
點選 [建立/登錄虛擬機器]

The screenshot displays the VMware ESXi web interface in a browser window. The address bar shows the URL `https://192.168.2.50/ui/#/host`. The interface is for the host `localhost.localdomain`. In the top navigation bar, the 'Build/Register Virtual Machine' button is highlighted with a red rectangle. The left sidebar contains a navigation menu with options like '主機' (Host), '管理' (Manage), '監控' (Monitor), '虛擬機器' (Virtual Machines), '儲存區' (Storage), and '網路' (Network). The main content area shows the host's status and hardware details. The status section includes a '取得 vCenter Server' button, the highlighted '建立/登錄虛擬機器' button, and buttons for '關閉' (Shutdown), '重新開機' (Restart), '重新整理' (Refresh), and '動作' (Actions). The host's version is 6.5.0 (Build 4887370), and its state is '正常 (未連線到任何 vCenter Server)'. The hardware section lists the manufacturer as Supermicro, the model as Super Server, and the CPU as 4 CPUs x Intel(R) Xeon(R) CPU E5-1620 v4 @ 3.50GHz. The memory is 255.89 GB, and the virtual flash is 0 B used out of 0 B capacity. The bottom status bar shows the URL `https://192.168.2.50/ui/`.

硬體	
製造商	Supermicro
型號	Super Server
CPU	4 CPUs x Intel(R) Xeon(R) CPU E5-1620 v4 @ 3.50GHz
記憶體	255.89 GB
虛擬 Flash	0 B 已使用, 0 B 容量

(3) 選取建立類型

選擇 [從 OVF 或 OVA 檔案部署虛擬機器] -> 按 [下一頁]



(4) 選取 OVF 和 VMDK 檔案

輸入 N-Probe/External Receiver 虛擬機器名稱 -> 選取或拖放 [N-Probe/External Receiver OVA] 檔案 -> 按 [下一頁]

新增虛擬機器 - N-Probe

✓ 1 選取建立類型
2 選取 OVF 和 VMDK 檔案
3 選取儲存區
4 授權合約
5 部署選項
6 其他設定
7 即將完成

選取 OVF 和 VMDK 檔案

針對您要部署的虛擬機器選取 OVF 和 VMDK 檔案或 OVA

輸入虛擬機器的名稱。

N-Probe

虛擬機器名稱最多可包含 80 個字元，且在每個 ESXi 執行個體中必須是唯一的。

× N-Probe7_500G_7.0.005.ova

vmware

上一頁 下一頁 完成 取消

(5) 選取儲存區

選擇 [存放空間] -> 按 [下一頁]

新增虛擬機器 - N-Partner

- ✓ 1 選取建立類型
- ✓ 2 選取 OVF 和 VMDK 檔案
- ✓ 3 選取儲存區
- 4 授權合約
- 5 部署選項
- 6 其他設定
- 7 即將完成

選取儲存區

選取要在其中儲存組態和磁碟檔案的資料存放區。

下列資料存放區可從您選取的目的地資源存取。請為虛擬機器組態檔和所有虛擬磁碟選取目的地資料存放區。

名稱	容量	可用	類型	精簡佈建	存取
ESXi_2.50 datastore1	21.82 TB	19.41 TB	VMFS5	受支援	單一

1 項目

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上一頁 下一頁 完成 取消

(6) 部署選項

選擇 [對應的網路] -> 磁碟佈建點選 [完整(Thick)] -> 按 [下一頁]。

註: 完整(Thick)會給足硬碟完整大小。

新增虛擬機器 - N-Partner

- ✓ 1 選取建立類型
- ✓ 2 選取 OVF 和 VMDK 檔案
- ✓ 3 選取儲存區
- ✓ 4 部署選項
- 5 即將完成

部署選項

選取部署選項

網路對應	VM Network VM Network ▼
磁碟佈建	☐ 精简 ☒ 完整

vmware

上一頁 下一頁 完成 取消

(7) 即將完成

確認匯入資訊是否正確，按 [完成]。開始部署虛擬機器

新增虛擬機器 - N-Probe

✓ 1 選取建立類型

✓ 2 選取 OVF 和 VMDK 檔案

✓ 3 選取儲存區

✓ 4 部署選項

✓ 5 即將完成

即將完成

請檢閱設定選擇後再完成精靈

產品	N-Probe7
虛擬機器名稱	N-Probe
磁碟	N-Probe7_500G_7.0.005-disk1.vmdk,N-Probe7_500G_7.0.005-disk2.vmdk
資料存放區	esxi1.46_datastore1
佈建類型	完整
網路對應	Server Network: 10 Network
客體作業系統名稱	未知

!

部署虛擬機器時請勿重新整理瀏覽器。

上一頁

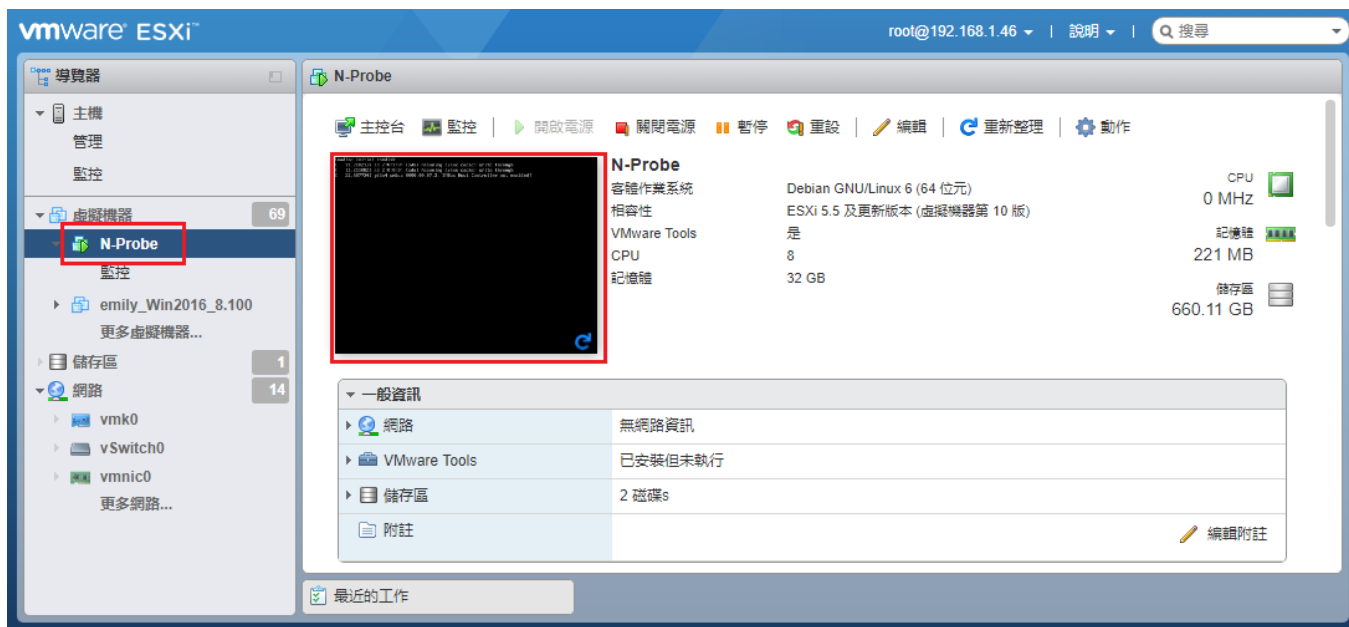
下一頁

完成

取消

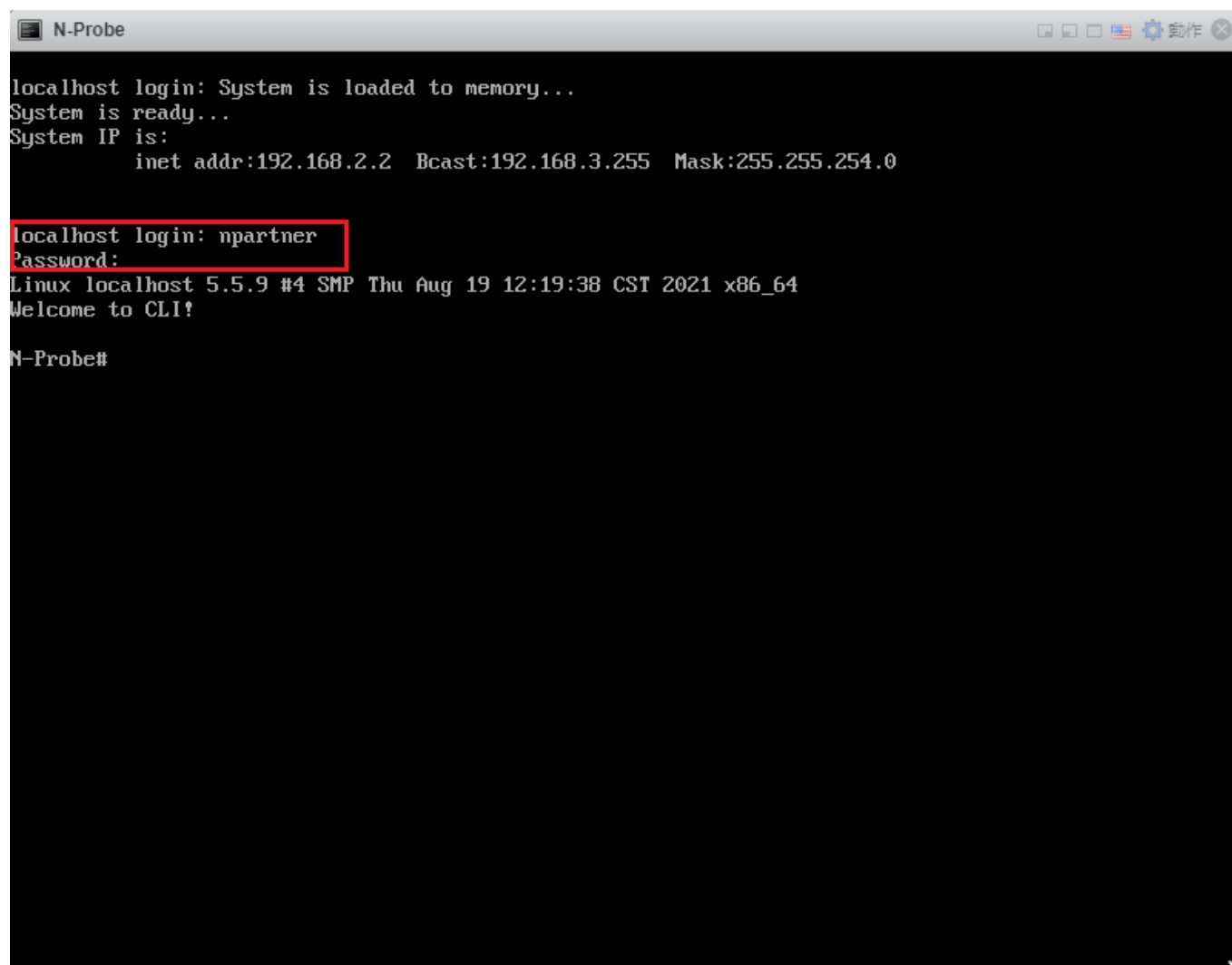
(8) 開啟主控台

匯入完成後，點選 [N-Probe/External Receiver 虛擬機器] -> [按一下以開啟此虛擬機器的瀏覽器主控台]



(9) 登入 N-Probe/External Receiver

預設 CLI 登入帳號密碼：[npartner](#) / [npartner](#)



```
N-Probe
localhost login: System is loaded to memory...
System is ready...
System IP is:
    inet addr:192.168.2.2  Bcast:192.168.3.255  Mask:255.255.254.0

localhost login: npartner
Password:
Linux localhost 5.5.9 #4 SMP Thu Aug 19 12:19:38 CST 2021 x86_64
Welcome to CLI!

N-Probe#
```

(10) 查看 N-Probe/External Receiver 設定

```
N-Probe# show configure
N-Probe# show configure
##### Current configuration #####
flow-cache timeout active 30
flow-sampling 1
hostname N-Probe
interface eth0 192.168.2.2 255.255.254.0 gw 192.168.3.254
ip dns1 8.8.8.8
ntp server on tock.stdtime.gov.tw
##### End #####
N-Probe#
```

(11) 變更 N-Probe/External Receiver IP address

```
N-Probe# configure terminal
```

IP 設定方式: interface eth0 <N-Probe_IP> <subnet_mask> gw <gateway_IP>

```
N-Probe(config)# interface eth0 192.168.10.89 255.255.255.0 gw 192.168.10.5
```

```
N-Probe(config)# exit
```

```
N-Probe# show configure
```

```
N-Probe# configure terminal
N-Probe(config)# int eth0 192.168.10.89 255.255.255.0 gw 192.168.10.5
N-Probe(config)# exit
N-Probe# show configure
##### Current configuration #####
flow-cache timeout active 30
flow-sampling 1
hostname N-Probe
interface eth0 192.168.10.89 255.255.255.0 gw 192.168.10.5
ip dns1 8.8.8.8
ntp server on tock.stdtime.gov.tw
##### End #####
N-Probe#
```

註: 紅色文字部位請輸入 N-Probe/External Receiver IP address

3.2 vSphere Client

3.2.1 vSwitch Promiscuous Mode

(1) 登入 VMware ESXi

開啟 [VMware vSphere Client] -> 輸入 [VMware IP address](#) 、 [User name](#) 、 [Password](#) -> 按 [Login]

VMware vSphere Client

vmware

VMware vSphere™ Client

All vSphere features introduced in vSphere 5.5 and beyond are available only through the vSphere Web Client. The traditional vSphere Client will continue to operate, supporting the same feature set as vSphere 5.0.

To directly manage a single host, enter the IP address or host name.
To manage multiple hosts, enter the IP address or name of a vCenter Server.

IP address / Name: 192.168.2.45

User name: root

Password: *****

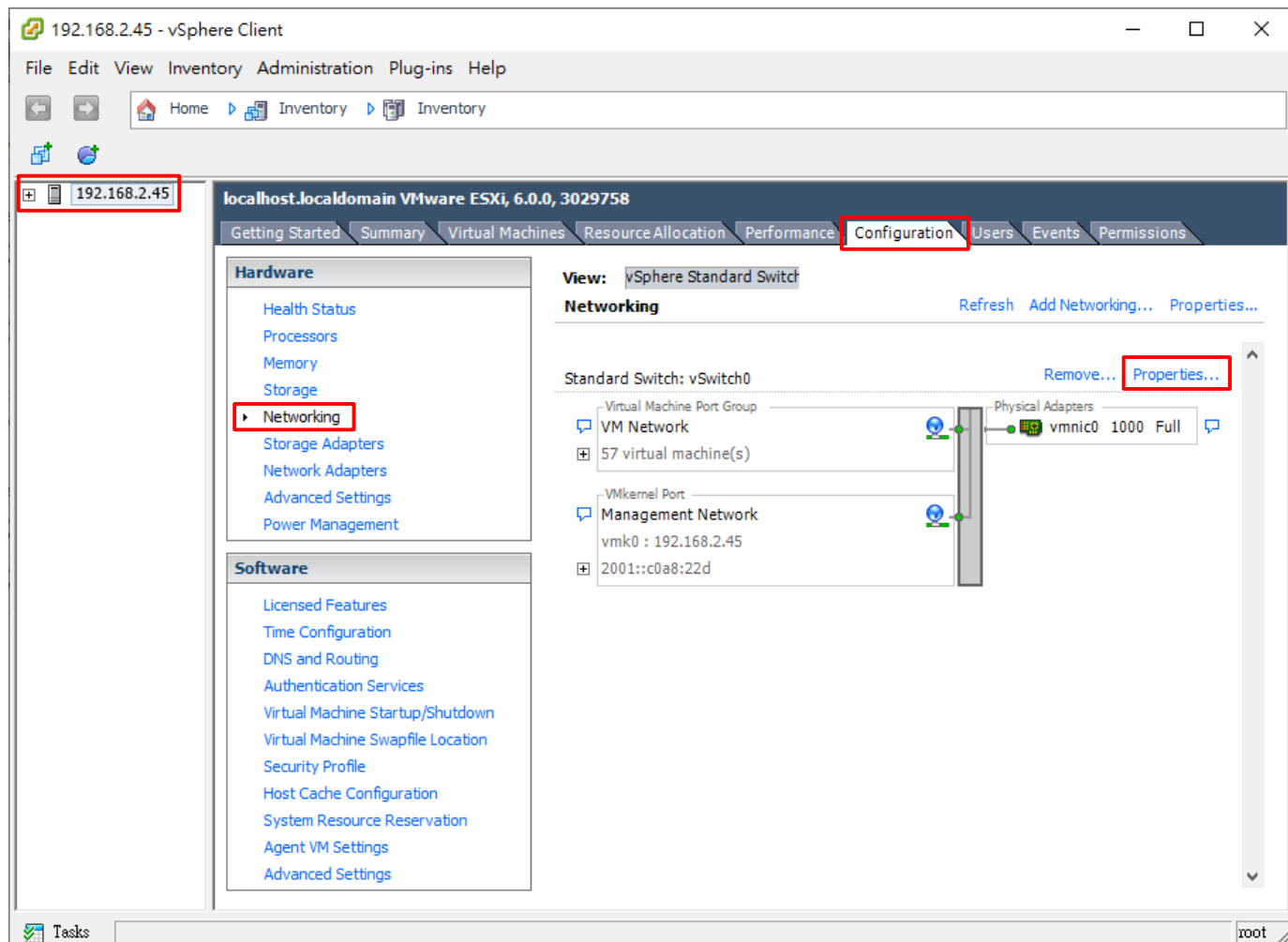
☐ Use Windows session credentials

Login Close

(2) 開啟虛擬交換器

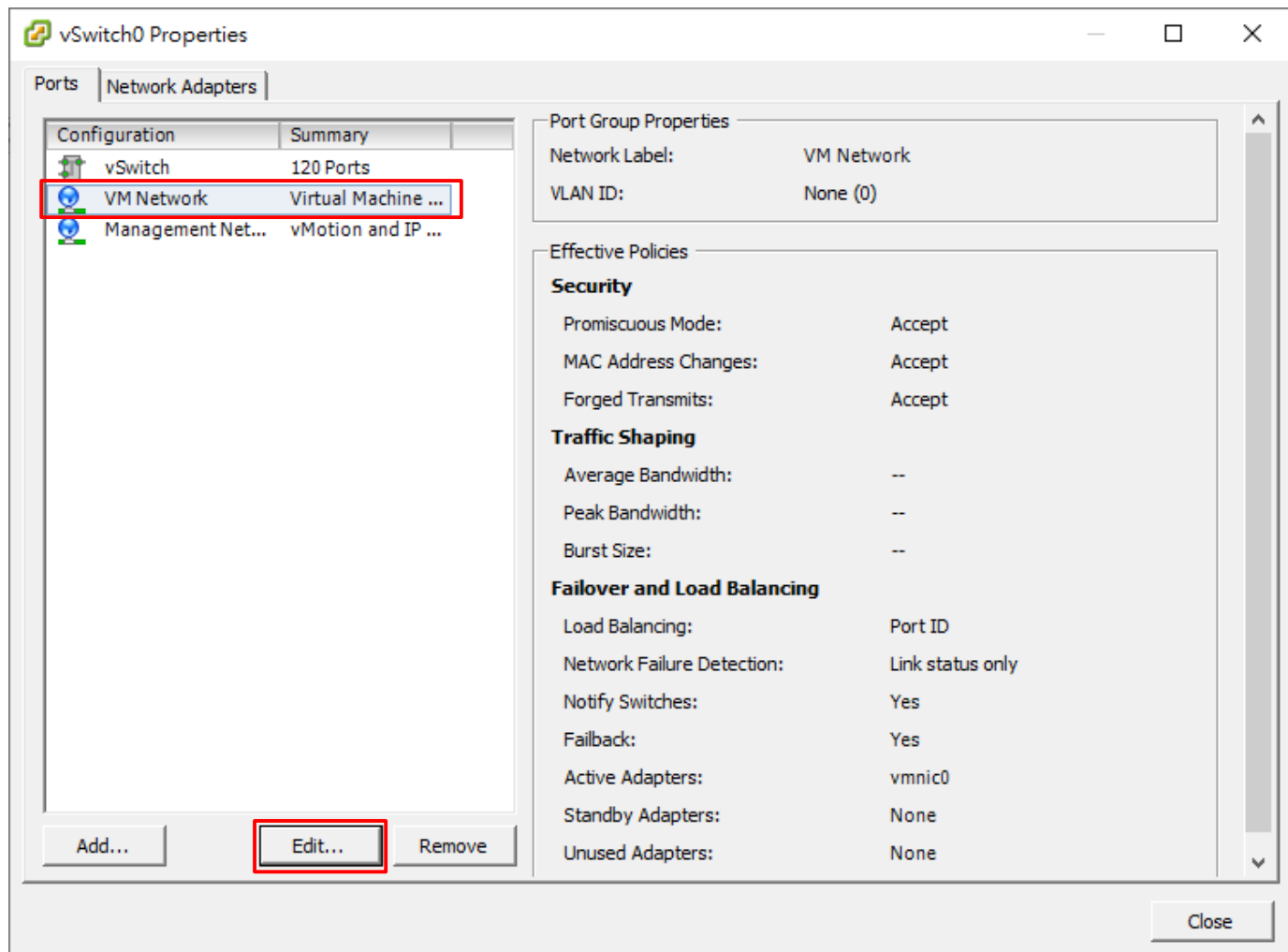
[VMware ESXi host] -> [Configuration] 頁面 -> [Networking] 項目 -> 點選 N-Probe eth1 的 vSwitch: [Properties]

註：請依客戶環境選擇 vSwitch



(3) 編輯網路設定

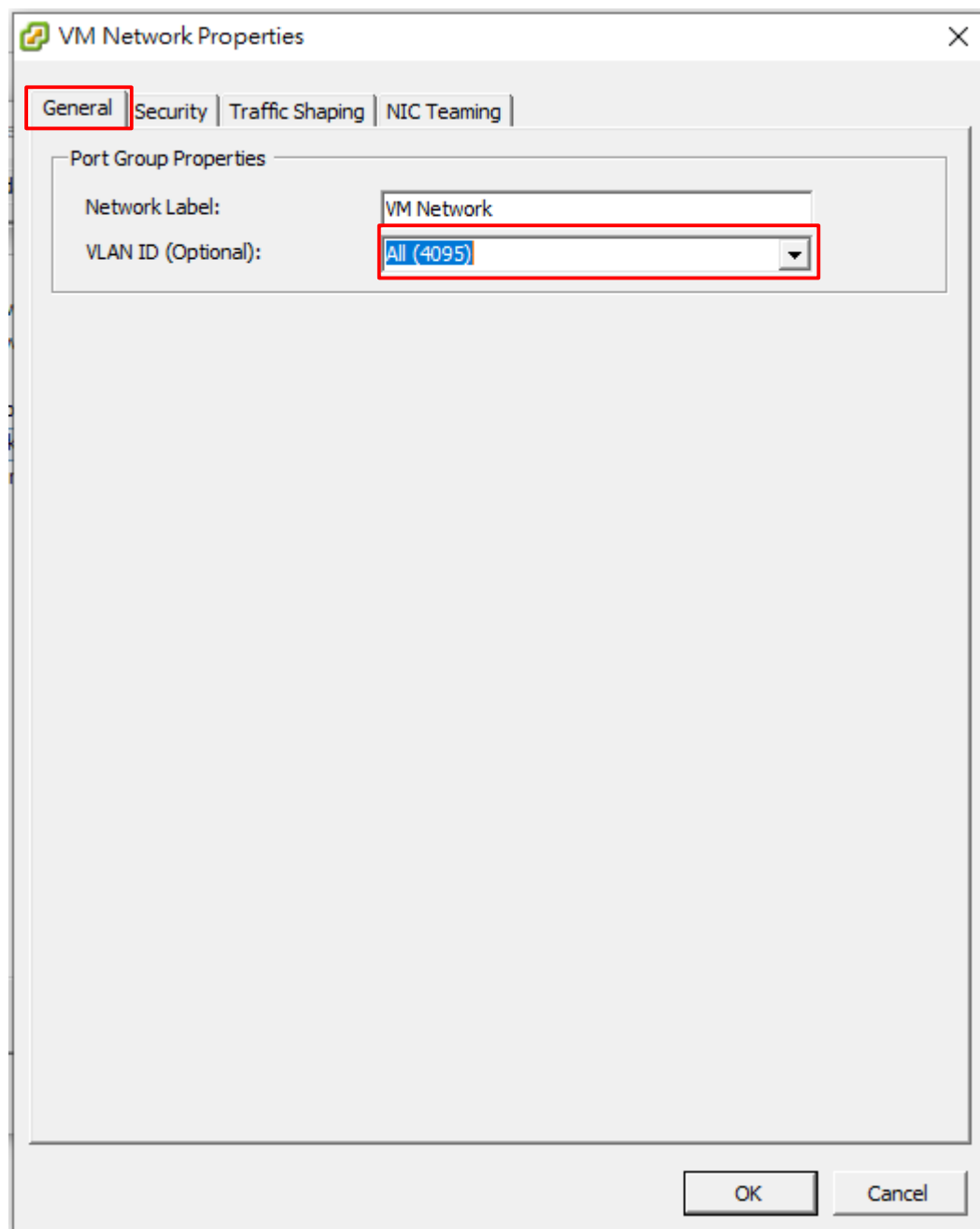
選擇 [VM Network] -> 按 [Edit]



(4) 啟用VGT 模式

將接收 Mirror Port 的 vSwitch 網路 VLAN ID 設為 [4095]

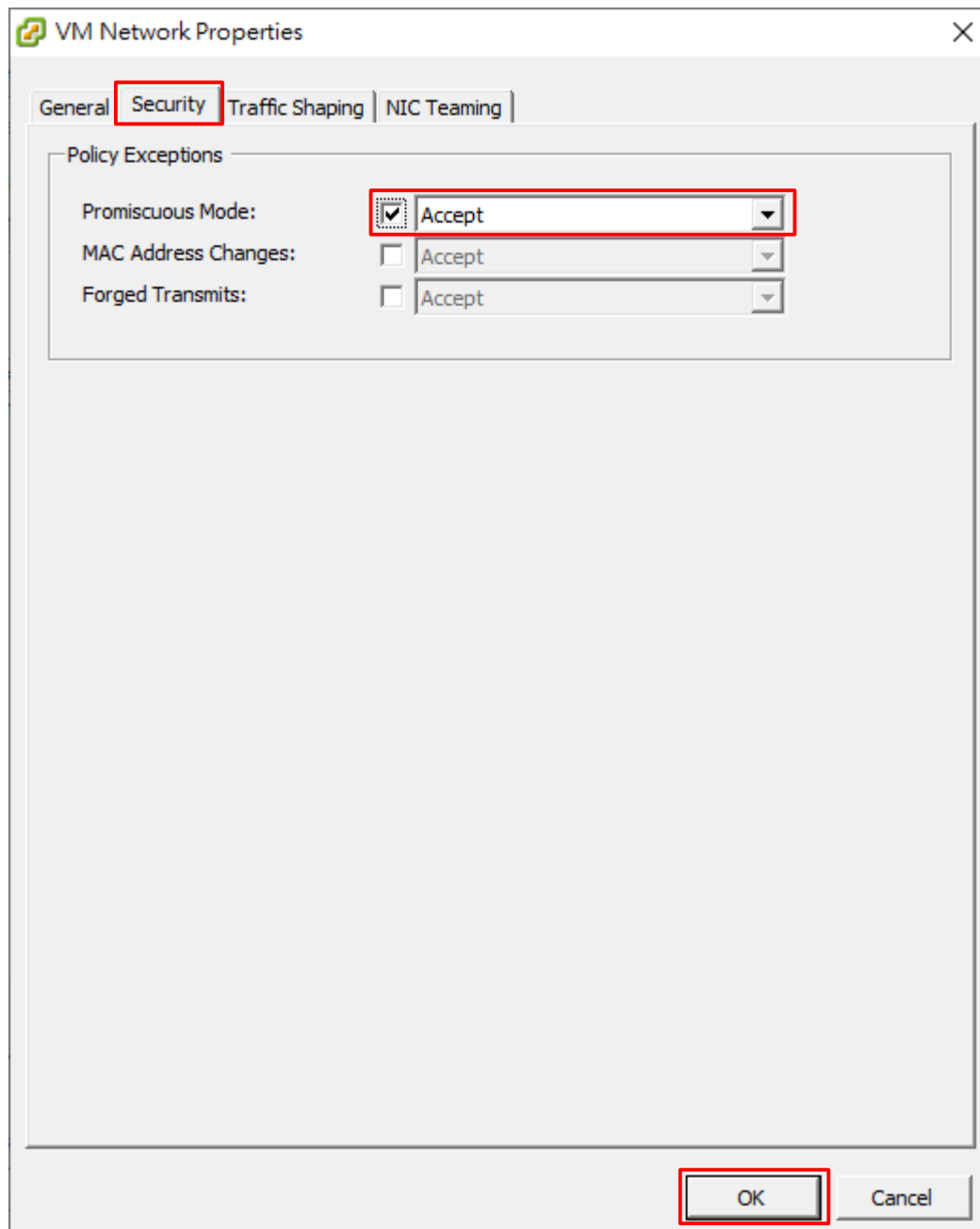
[General] 頁面 -> [VLAN ID (Optional):] 選擇 [All (4095)]



註: 若 Mirror 過來的封包有帶VLAN ID，則需要輸入對應的ID；若 Mirror 過來的封包帶有多個VLAN ID，則要輸入 4095 (代表 All) 才會看到全部VLAN ID 的流量

(5) 啟用混合模式

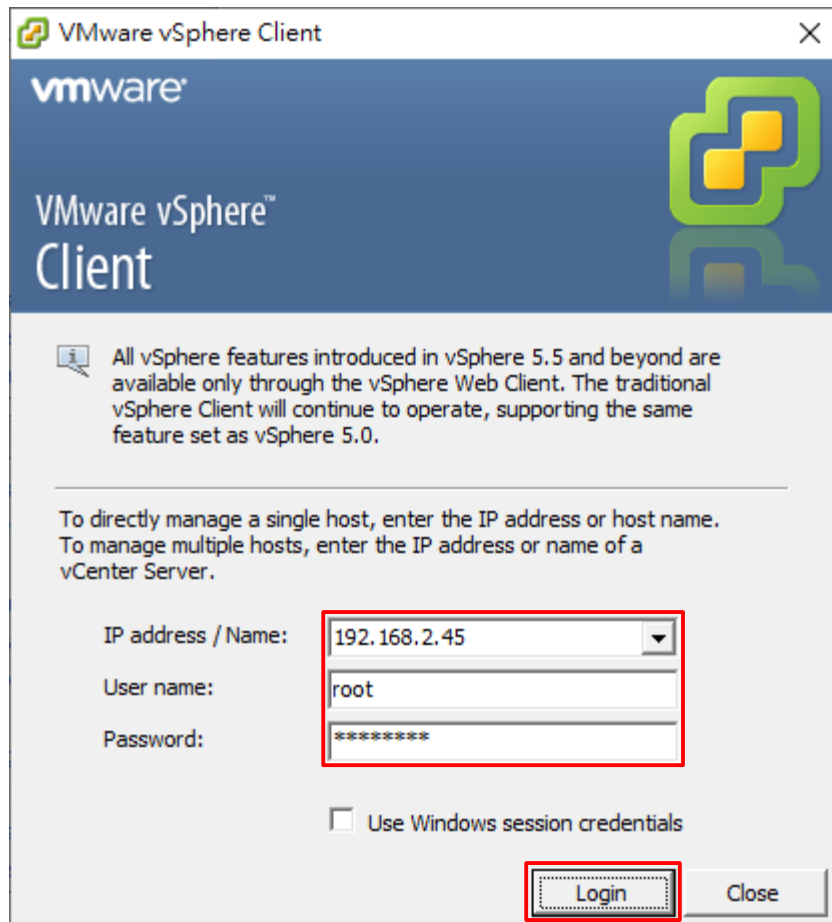
點選 [Security] 頁面 -> 勾選 [Promiscuous Mode:] 選擇 [Accept] -> 按 [OK]



3.2.2 Import N-Probe VM

(1) 登入 VMware ESXi

開啟 [VMware vSphere Client] -> 輸入 [VMware IP address](#) 、 [User name](#) 、 [Password](#) -> 按 [Login]



VMware vSphere Client

vmware

VMware vSphere™ Client

All vSphere features introduced in vSphere 5.5 and beyond are available only through the vSphere Web Client. The traditional vSphere Client will continue to operate, supporting the same feature set as vSphere 5.0.

To directly manage a single host, enter the IP address or host name.
To manage multiple hosts, enter the IP address or name of a vCenter Server.

IP address / Name: 192.168.2.45

User name: root

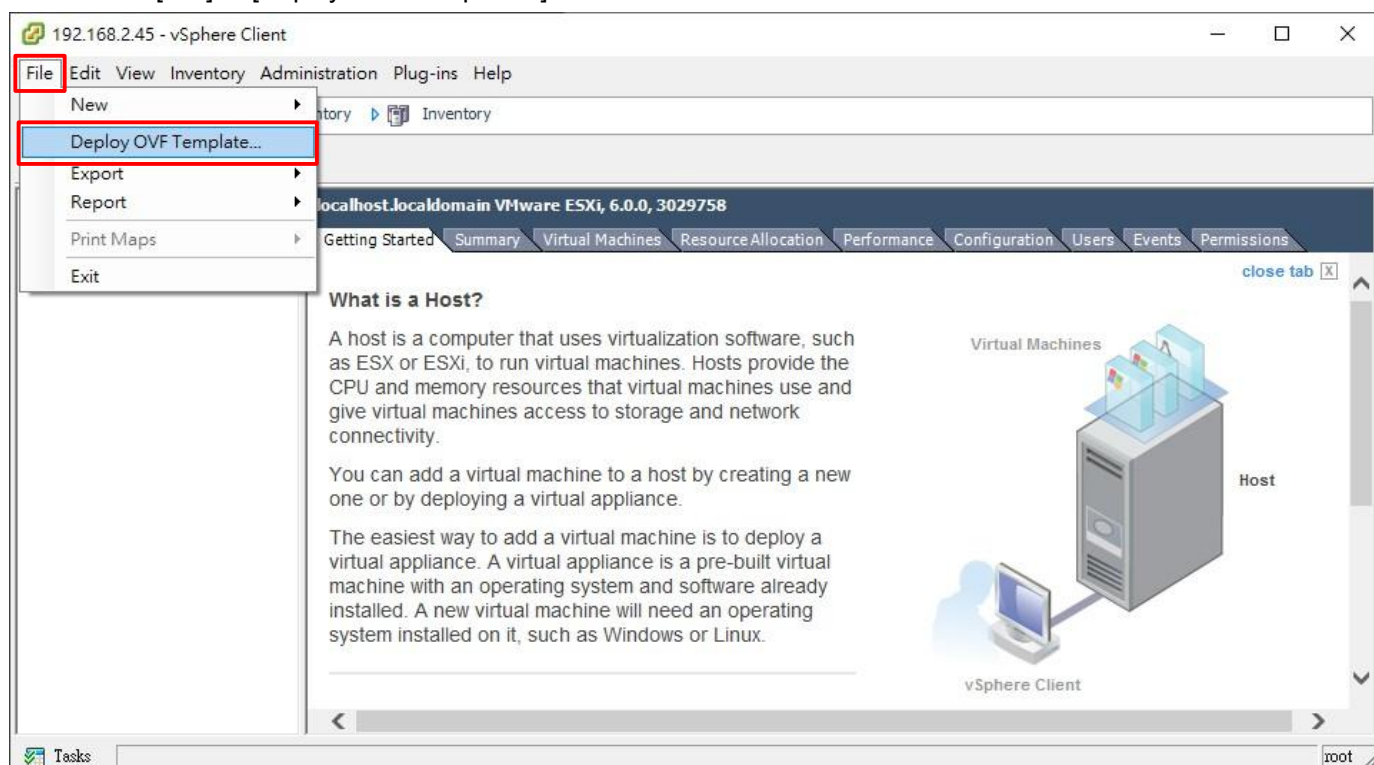
Password: *****

☐ Use Windows session credentials

Login Close

(2) 部署 N-Probe/External Receiver

點選左上角 [File] -> [Deploy OVF Template...]



(3) 選擇來源 OVA

按 [Browse] 選擇匯入 [N-Probe/External Receiver OVA] 檔案 -> 按 [Next]

Deploy OVF Template

Source
Select the source location.

Source
OVF Template Details
Name and Location
Resource Pool
Disk Format
Ready to Complete

Deploy from a file or URL

D:\N-Probe7_500G_7.0.005.ova

Browse...

Enter a URL to download and install the OVF package from the Internet, or specify a location accessible from your computer, such as a local hard drive, a network share, or a CD/DVD drive.

< Back **Next >** Cancel

(4) OVF 範本詳細資料

確認匯入 [N-Probe/External Receiver] 資訊 -> 按 [Next]

The screenshot shows a window titled "Deploy OVF Template" with standard window controls (minimize, maximize, close). Below the title bar, the text "OVF Template Details" is followed by "Verify OVF template details.".

On the left side, there is a sidebar with a "Source" link and a list of steps: "OVF Template Details" (highlighted), "Name and Location", "Resource Pool", "Disk Format", "Network Mapping", and "Ready to Complete".

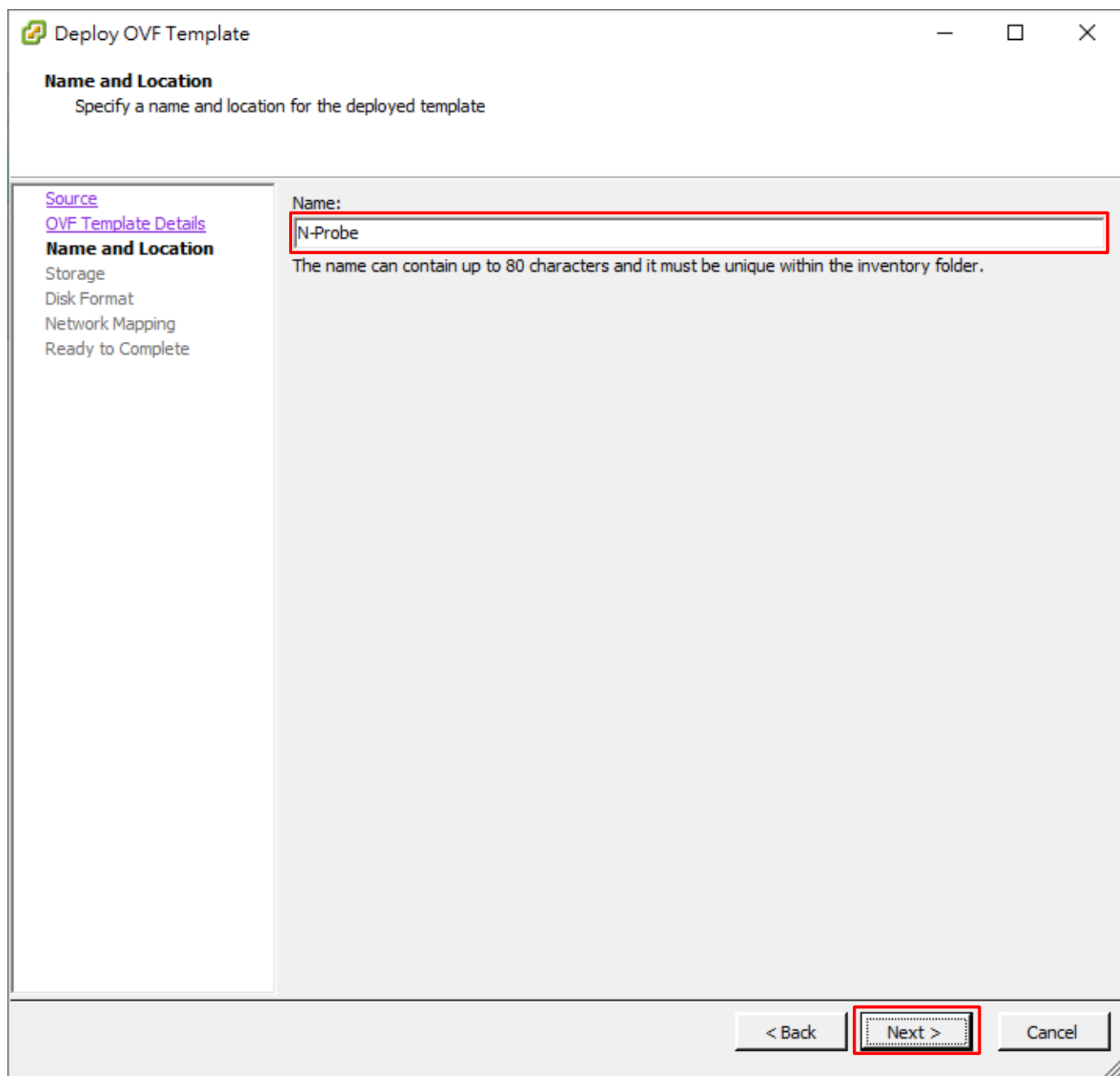
The main area displays the following details for the OVF template:

Product:	N-Probe7
Version:	
Vendor:	
Publisher:	No certificate present
Download size:	3.6 GB
Size on disk:	4.0 GB (thin provisioned) 628.0 GB (thick provisioned)
Description:	

At the bottom right, there are three buttons: "< Back", "Next >" (highlighted with a red box), and "Cancel".

(5) 名稱和位置

輸入 N-Probe/External Receiver 虛擬機器名稱 -> 按 [Next]



The image shows a Windows-style dialog box titled "Deploy OVF Template". It has a sidebar on the left with a list of steps: "Source", "OVF Template Details", "Name and Location" (which is highlighted), "Storage", "Disk Format", "Network Mapping", and "Ready to Complete". The main area of the dialog is titled "Name and Location" with the instruction "Specify a name and location for the deployed template". Below this, there is a "Name:" label followed by a text input field containing "N-Probe". A red rectangle highlights this input field. Below the input field, a note states: "The name can contain up to 80 characters and it must be unique within the inventory folder." At the bottom right of the dialog, there are three buttons: "< Back", "Next >" (which is highlighted with a red rectangle), and "Cancel".

Deploy OVF Template

Name and Location
Specify a name and location for the deployed template

Source
[OVF Template Details](#)
Name and Location
Storage
Disk Format
Network Mapping
Ready to Complete

Name:
N-Probe
The name can contain up to 80 characters and it must be unique within the inventory folder.

< Back **Next >** Cancel

(6) 選擇儲存區

選擇 [datastore] -> 按 [Next]

Storage
Where do you want to store the virtual machine files?

Source
[OVF Template Details](#)
[Name and Location](#)
Storage
Disk Format
Network Mapping
Ready to Complete

Select a destination storage for the virtual machine files:

Name	Drive Type	Capacity	Provisioned	Free	Type	Thin Provi
datastore1 (6)	Non-SSD	5.45 TB	8.28 TB	166.03 GB	VMFS5	Supporte
datastore2	Non-SSD	5.46 TB	5.28 TB	597.84 GB	VMFS5	Supporte

☐ Disable Storage DRS for this virtual machine

Select a datastore:

Name	Drive Type	Capacity	Provisioned	Free	Type	Thin Provi
------	------------	----------	-------------	------	------	------------

Compatibility:

< Back **Next >** Cancel

(7) 磁碟格式

選擇 [Thick Provision Lazy Zeroed(完整佈建消極式歸零)] / [Thick Provision Eager Zeroed(完整佈建積極式歸零)]->

按 [Next]

註: Thick Provision Lazy Zeroed(完整佈建消極式歸零) 或 Thick Provision Eager Zeroed(完整佈建積極式歸零) 會給足硬碟完整大小

The screenshot shows the 'Deploy OVF Template' window with the 'Disk Format' section selected. The window title is 'Deploy OVF Template'. The 'Disk Format' section is titled 'Disk Format' and asks 'In which format do you want to store the virtual disks?'. The 'Datastore' is set to 'datastore2' and 'Available space (GB)' is 597.8. The 'Disk Format' section has three radio buttons: 'Thick Provision Lazy Zeroed' (selected), 'Thick Provision Eager Zeroed', and 'Thin Provision'. The 'Next >' button is highlighted with a red box.

Deploy OVF Template

Disk Format
In which format do you want to store the virtual disks?

Source
OVF Template Details
Name and Location
Storage
Disk Format
Network Mapping
Ready to Complete

Datastore: datastore2

Available space (GB): 597.8

☒ Thick Provision Lazy Zeroed
☐ Thick Provision Eager Zeroed
☐ Thin Provision

< Back Next > Cancel

(8) 網路對應

選擇 [Network Mapping] -> 按 [Next]

The screenshot shows the 'Deploy OVF Template' window with the 'Network Mapping' step selected. The window title is 'Deploy OVF Template'. The main heading is 'Network Mapping' with the subtext 'What networks should the deployed template use?'. On the left sidebar, there are links for 'Source', 'OVF Template Details', 'Name and Location', 'Storage', 'Disk Format', and 'Network Mapping' (which is bolded and has 'Ready to Complete' below it). The main area is titled 'Map the networks used in this OVF template to networks in your inventory'. It contains a table with two columns: 'Source Networks' and 'Destination Networks'. The first row shows 'VM Network' in both columns. Below the table is a 'Description:' section with a text box containing 'The VM Network network'. At the bottom right, there are three buttons: '< Back', 'Next >' (highlighted with a red box), and 'Cancel'.

Source Networks	Destination Networks
VM Network	VM Network

Description:
The VM Network network

< Back **Next >** Cancel

(9) 即將完成

確認匯入資訊是否正確，勾選 [Power on after deployment(部署後開啟電源)] -> 按 [Finish] 開始部署虛擬機器

Deploy OVF Template

Ready to Complete
Are these the options you want to use?

[Source](#)
[OVF Template Details](#)
[Name and Location](#)
[Resource Pool](#)
[Disk Format](#)
[Network Mapping](#)
Ready to Complete

When you click Finish, the deployment task will be started.

Deployment settings:

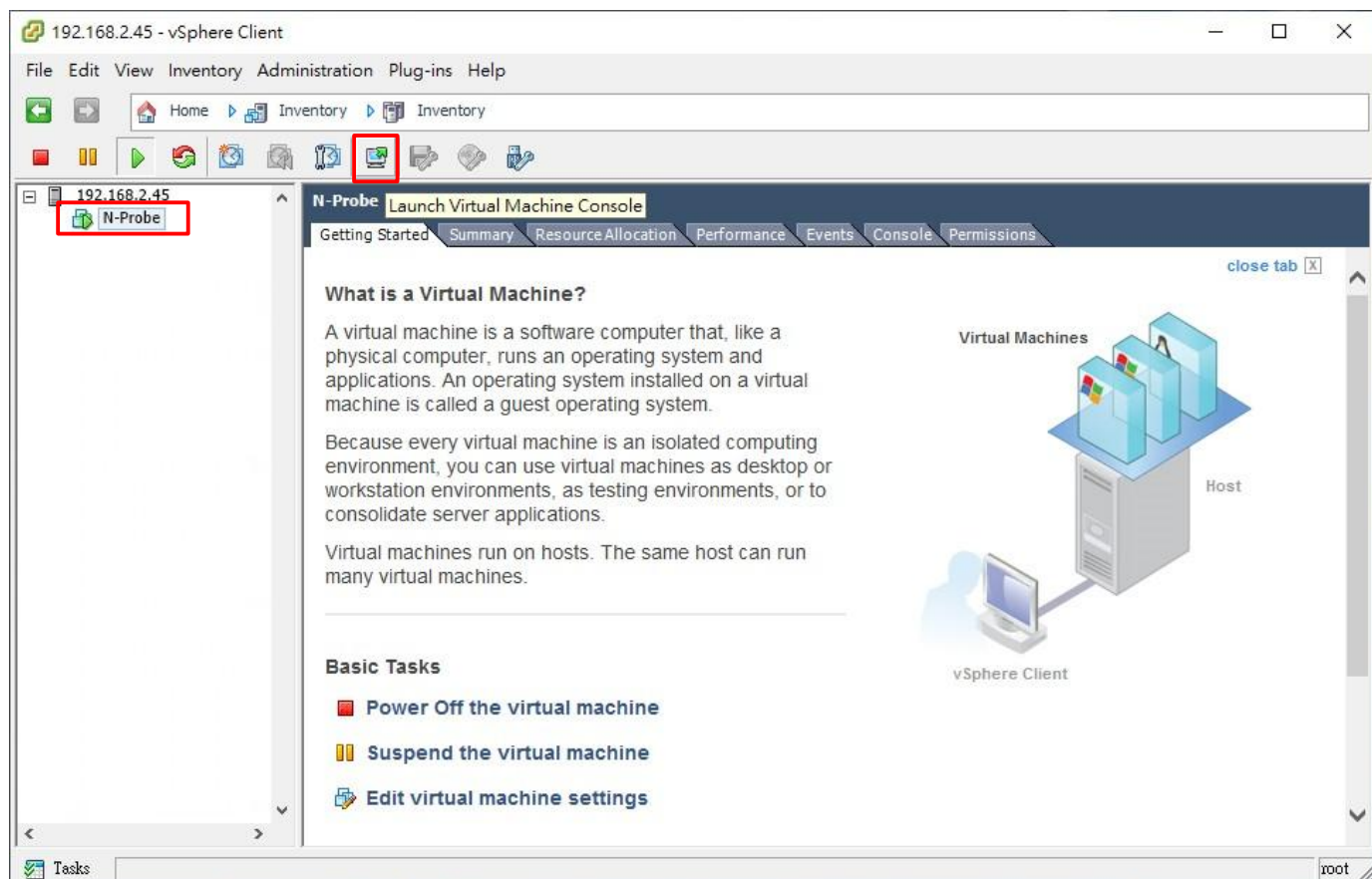
OVF file:	D:\N-Probe7_500G_7.0.005.ova
Download size:	3.6 GB
Size on disk:	628.0 GB
Name:	N-Probe
Host/Cluster:	TAC-ESXi46.npartnertech.local
Datastore:	esxi1.46_datastore1
Disk provisioning:	Thick Provision Lazy Zeroed
Network Mapping:	"Server Network" to "Server Network"

☒ Power on after deployment

< Back **Finish** Cancel

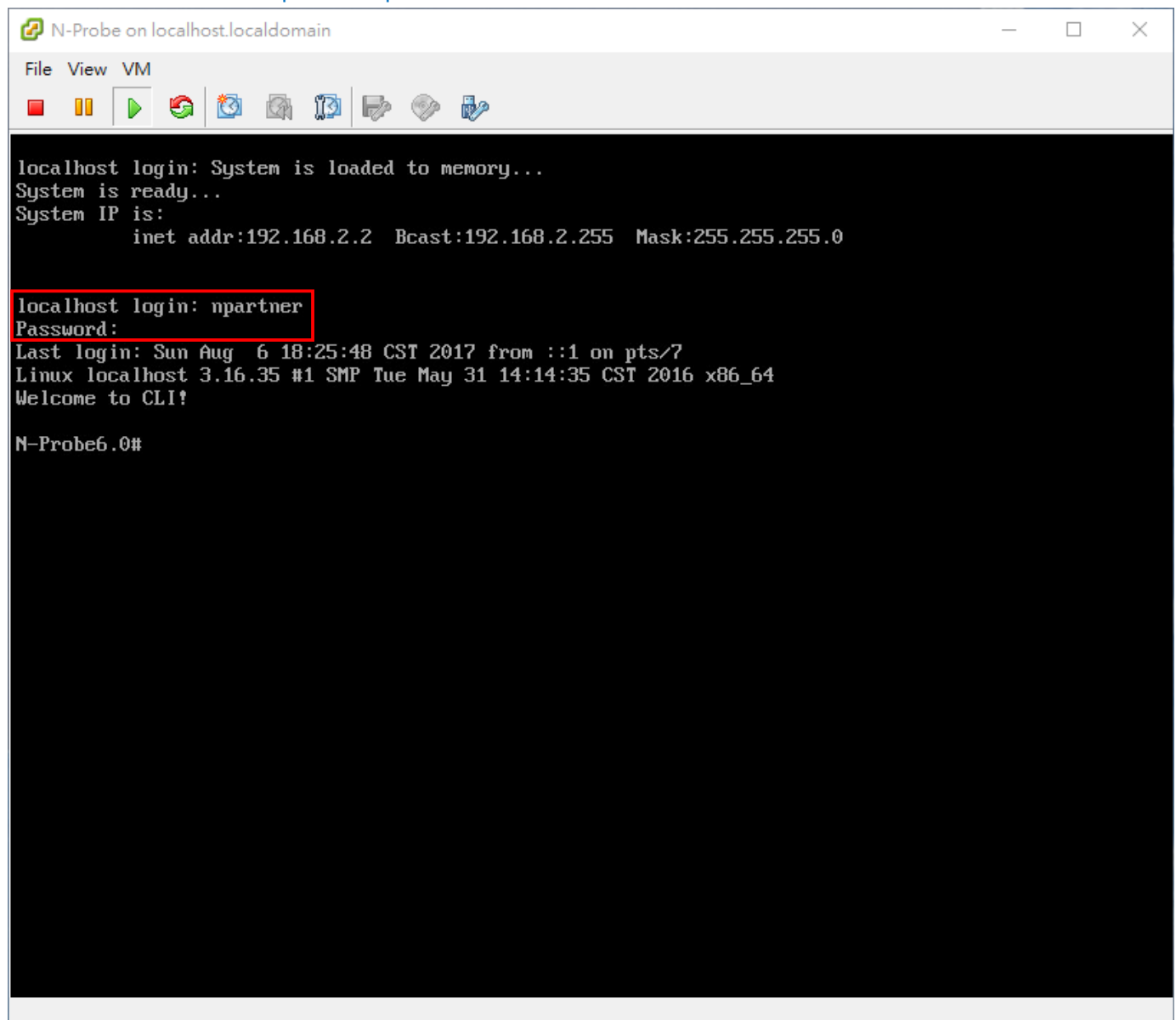
(10) 開啟主控台

匯入完成後點選 [N-Probe/External Receiver 虛擬機器] -> 按 [Launch Virtual Machine Console(啟動虛擬機器主控台)]



(11) 登入 N-Probe/External Receiver

預設 CLI 登入帳號密碼：[npartner](#) / [npartner](#)



The screenshot shows a terminal window titled "N-Probe on localhost.localdomain". The terminal output displays the system boot process, including the login prompt. The user "npartner" has successfully logged in, and the password field is masked. The terminal shows the last login time and the system version (Linux localhost 3.16.35). The prompt "N-Probe6.0#" is visible at the bottom.

```
localhost login: System is loaded to memory...
System is ready...
System IP is:
    inet addr:192.168.2.2  Bcast:192.168.2.255  Mask:255.255.255.0

localhost login: npartner
Password:
Last login: Sun Aug  6 18:25:48 CST 2017 from ::1 on pts/7
Linux localhost 3.16.35 #1 SMP Tue May 31 14:14:35 CST 2016 x86_64
Welcome to CLI!

N-Probe6.0#
```

(12) 查看 N-Probe/External Receiver 設定

N-Probe# `show configure`

```
N-Probe(config)# show configure
##### Current configuration #####
flow-cache timeout active 30
flow-sampling 1
hostname N-Probe
interface eth0 192.168.2.2 255.255.254.0 gw 192.168.3.254
ip dns1 8.8.8.8
ntp server on tock.stdtime.gov.tw
##### End #####
N-Probe(config)#
```

(13) 變更 N-Probe/External Receiver IP address

N-Probe# `configure terminal`

IP 設定方式: `interface eth0 <N-Probe_IP> <subnet_mask> gw <gateway_IP>`

N-Probe(config)# `interface eth0 192.168.10.89 255.255.255.0 gw 192.168.10.5`

N-Probe(config)# `exit`

N-Probe# `show configure`

```
N-Probe# configure terminal
N-Probe(config)# interface eth0 192.168.10.89 255.255.255.0 gw 192.168.10.5
Update register information to N-Cloud/N-Reporter is successful
N-Probe(config)# exit
N-Probe# show configure
##### Current configuration #####
flow-cache timeout active 30
flow-sampling 1
hostname N-Probe
interface eth0 192.168.10.89 255.255.255.0 gw 192.168.10.5
ip dns1 8.8.8.8
ntp server on tock.stdtime.gov.tw
##### End #####
N-Probe#
```

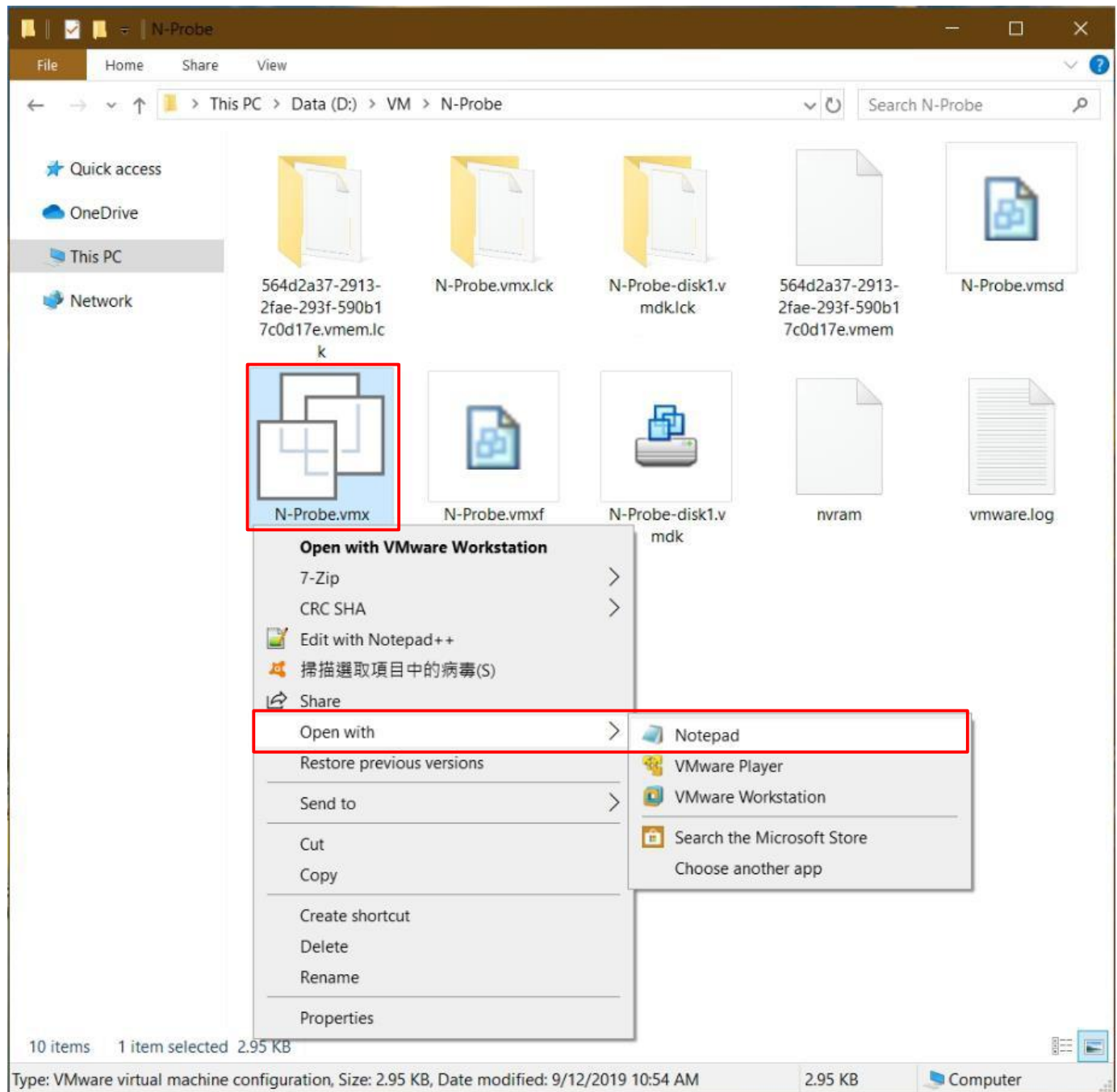
註: 紅色文字部位請輸入 N-Probe/External Receiver IP address

3.3 VMware Workstation

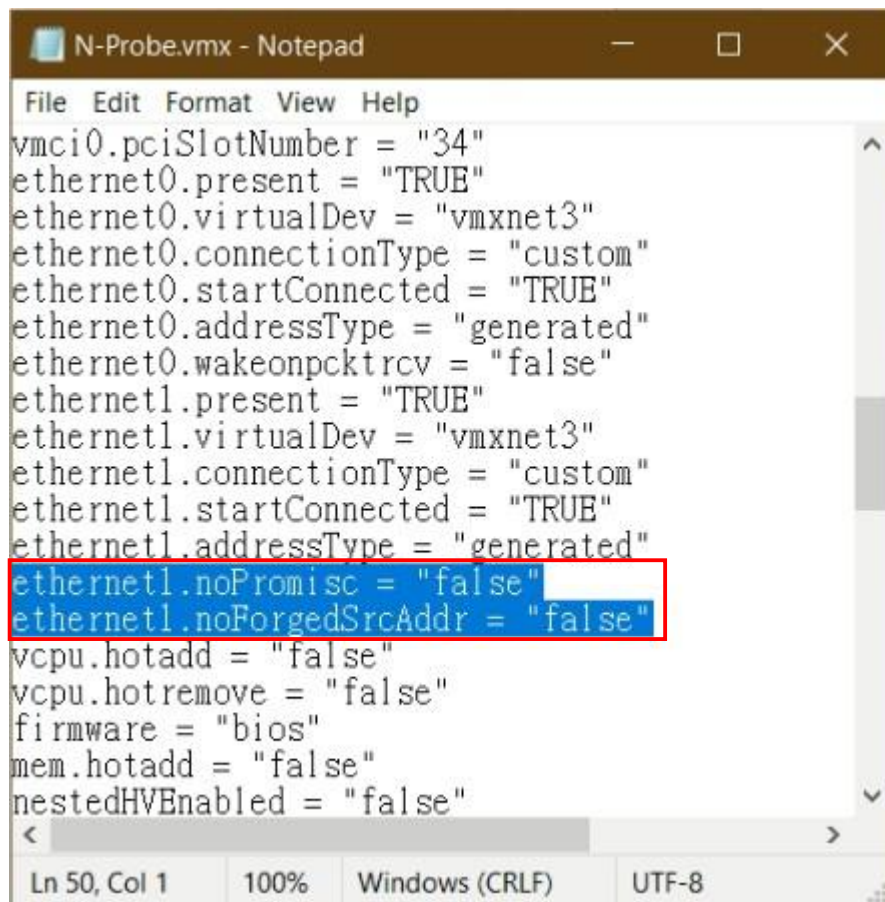
3.3.1 vSwitch Promiscuous Mode

(1) 編輯 N-Probe.vmx 檔案

在 [N-Probe.vmx] 檔案上，按滑鼠右鍵 -> 開啟方式選擇用 [Notepad(記事本)]



(2) 新增 `ethernet1.noPromisc = "false"` 和 `ethernet1.noForgedSrcAddr = "false"` -> 存檔離開

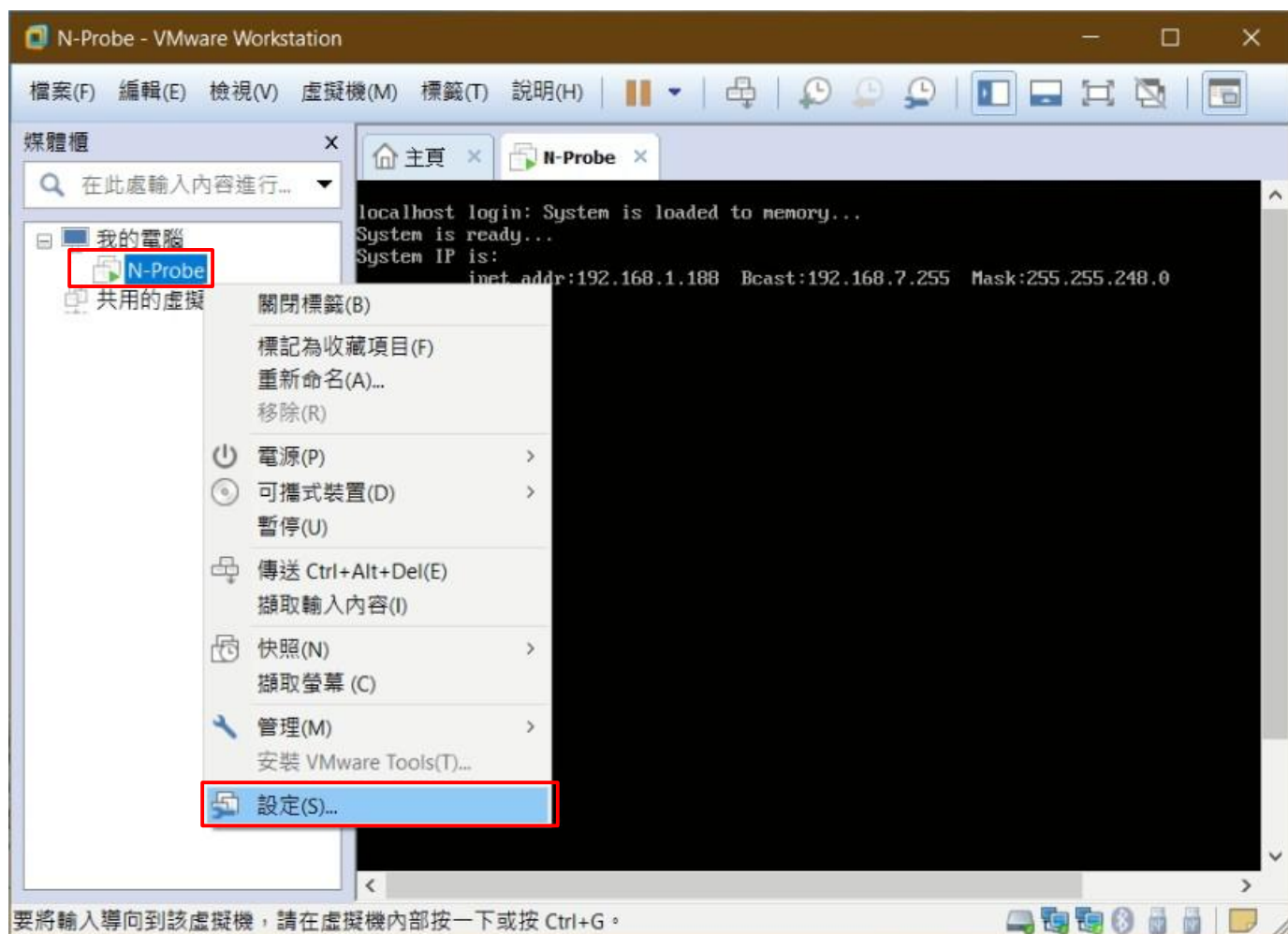


```
File Edit Format View Help
vmci0.pciSlotNumber = "34"
ethernet0.present = "TRUE"
ethernet0.virtualDev = "vmxnet3"
ethernet0.connectionType = "custom"
ethernet0.startConnected = "TRUE"
ethernet0.addressType = "generated"
ethernet0.wakeonpcktrcv = "false"
ethernet1.present = "TRUE"
ethernet1.virtualDev = "vmxnet3"
ethernet1.connectionType = "custom"
ethernet1.startConnected = "TRUE"
ethernet1.addressType = "generated"
ethernet1.noPromisc = "false"
ethernet1.noForgedSrcAddr = "false"
vcpu.hotadd = "false"
vcpu.hotremove = "false"
firmware = "bios"
mem.hotadd = "false"
nestedHVEEnabled = "false"
< >
```

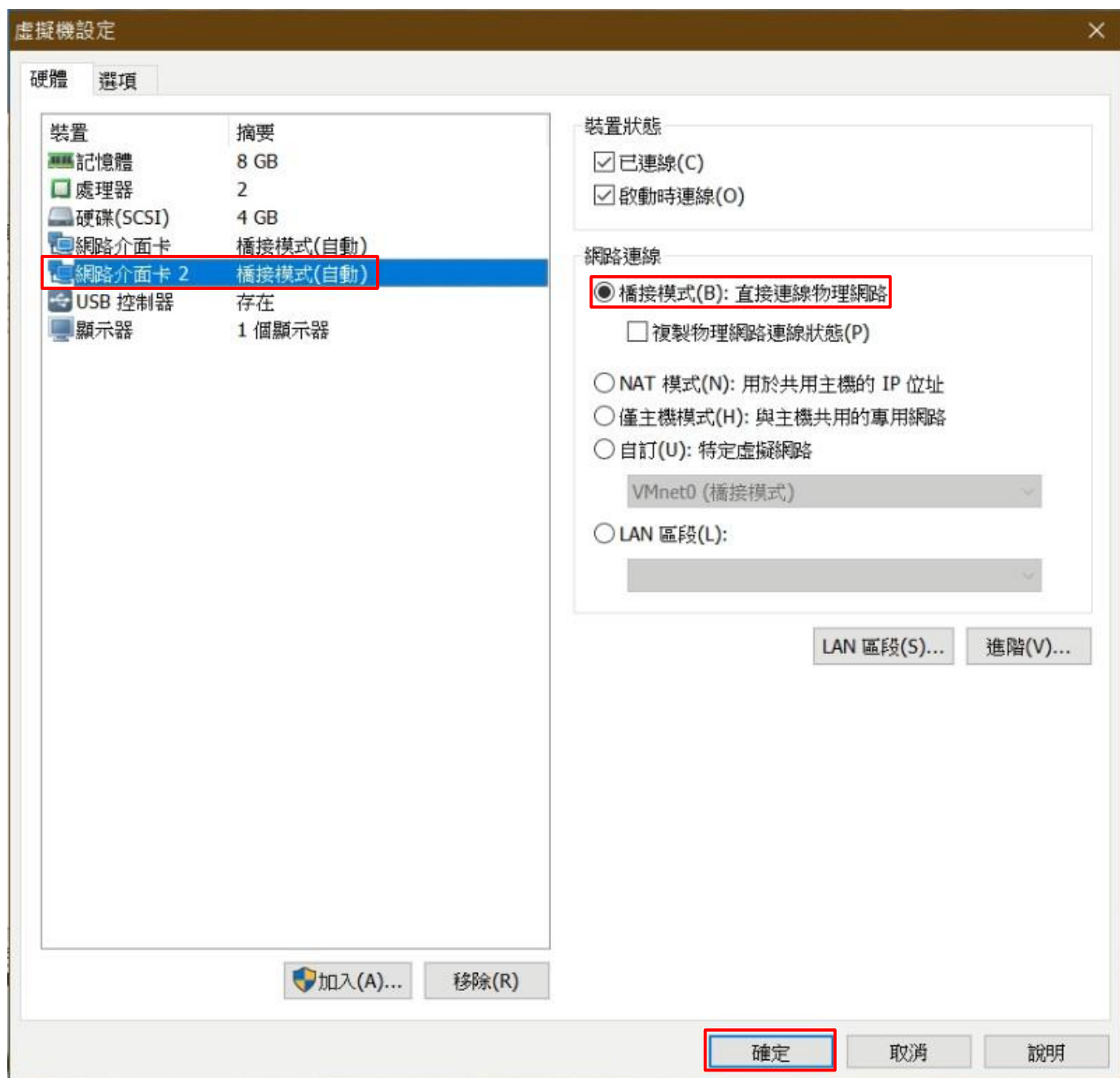
Ln 50, Col 1 100% Windows (CRLF) UTF-8

(3) 設定 N-Probe 網路介面卡橋接模式

在 [N-Probe] 上按滑鼠右鍵 -> 點選 [設定]

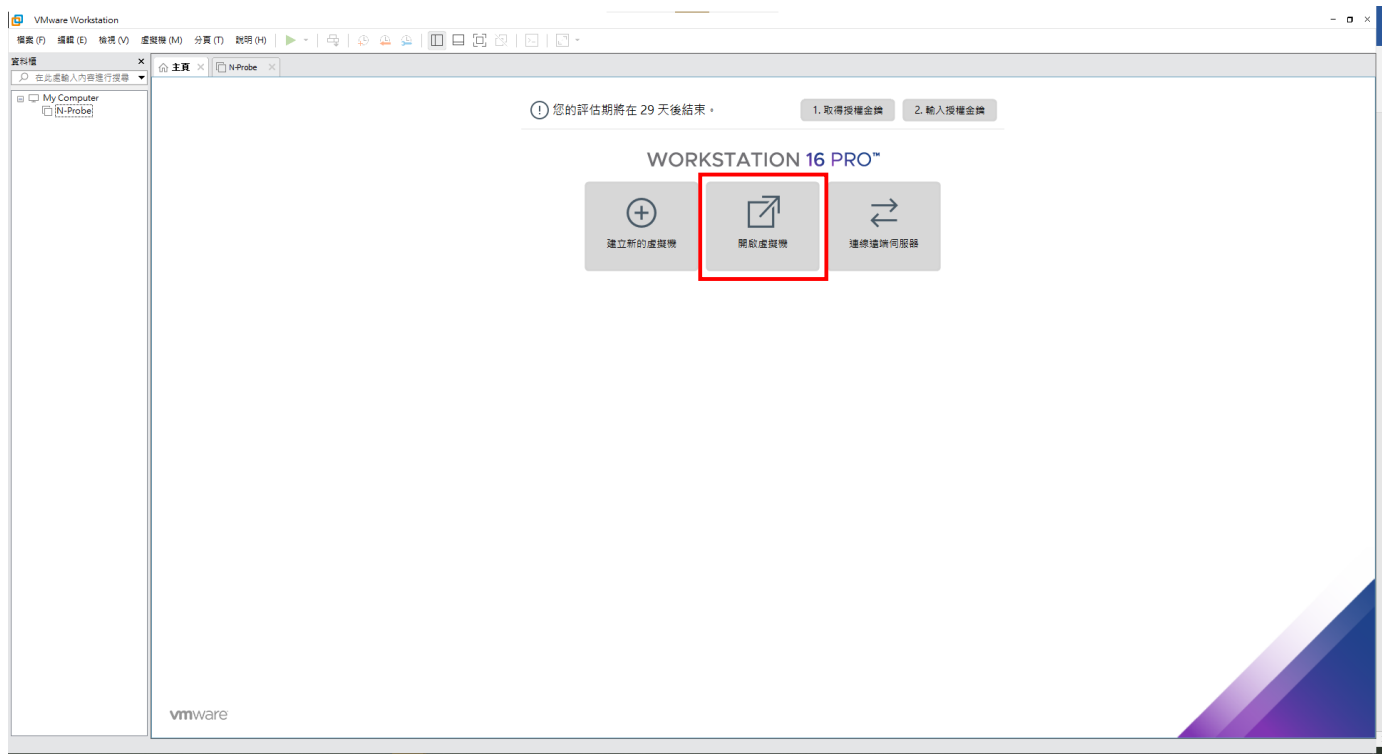


(4) 將 [網路介面卡 2(ethernet1)] 設定 [橋接模式] -> 按下 [確定]

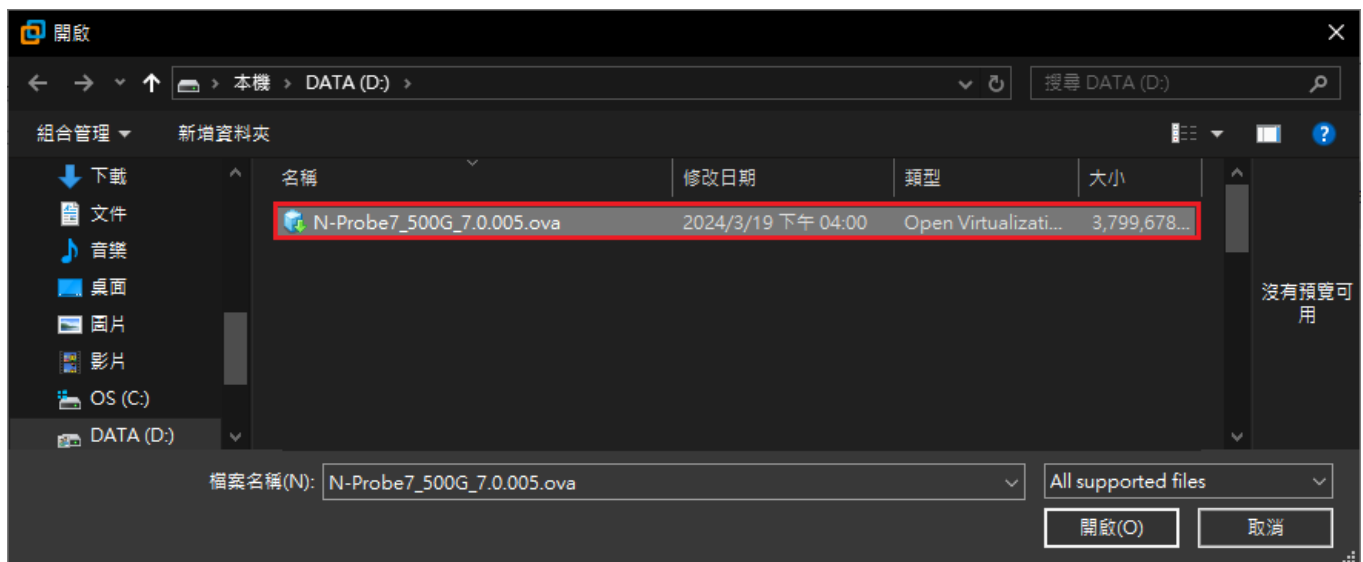


3.3.2 Import N-Probe VM

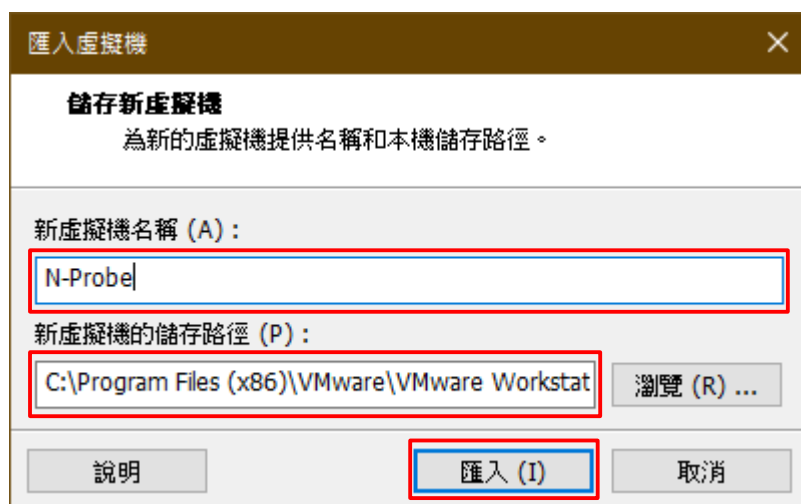
(1) 啟動Worstation -> 點選 [開啟虛擬機]



(2) 選擇N-Probe -> 按下 [開啟]

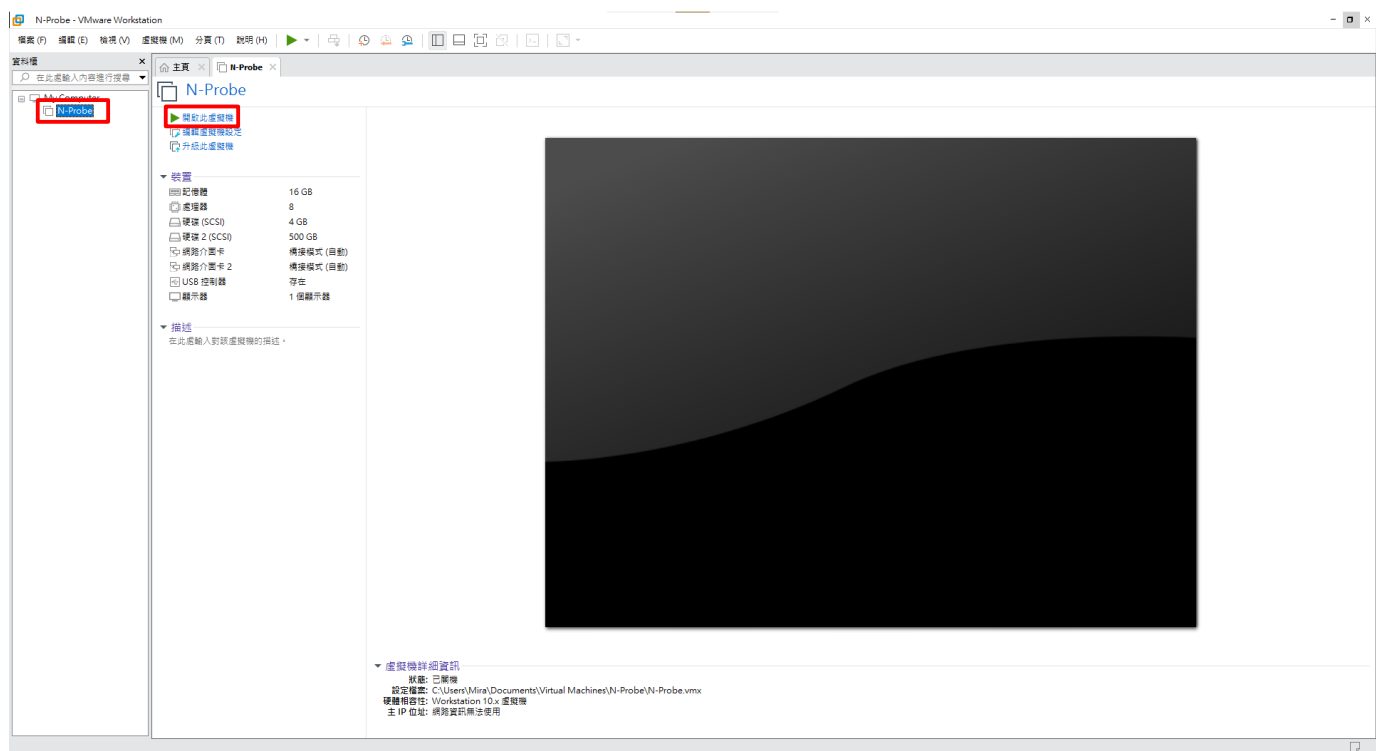


(3) 設定虛擬機名稱 -> 選擇存放路徑 -> 按下 [匯入]



(4) 開起虛擬機

匯入完成後，點選 [開啟此虛擬機]



(5) 登入 N-Probe/External Receiver

預設 CLI 登入帳號密碼：[npartner](#) / [npartner](#)

```
localhost login: System is loaded to memory...
System is ready...
System IP is:
    inet addr:192.168.2.2  Bcast:192.168.3.255  Mask:255.255.254.0

localhost login: npartner
Password:
Linux localhost 5.5.9 #4 SMP Thu Aug 19 12:19:38 CST 2021 x86_64
Welcome to CLI!

N-Probe#
```

(6) 查看 N-Probe/External Receiver 設定

N-Probe# [show configure](#)

```
N-Probe# show configure
##### Current configuration #####
flow-cache timeout active 30
flow-sampling 1
hostname N-Probe
interface eth0 192.168.2.2 255.255.254.0 gw 192.168.3.254
ip dns1 8.8.8.8
ntp server on tock.stdtime.gov.tw
##### End #####
N-Probe#
```

(7) 變更 N-Probe/External Receiver IP address

N-Probe# [configure terminal](#)

IP 設定方式: interface eth0 <N-Probe_IP> <subnet_mask> gw <gateway_IP>

```
N-Probe(config)# interface eth0 192.168.10.89 255.255.255.0 gw 192.168.10.5
N-Probe(config)# exit
N-Probe# show configure
```

```
N-Probe# configure terminal
N-Probe(config)# int eth0 192.168.10.89 255.255.255.0 gw 192.168.10.5
N-Probe(config)# exit
N-Probe# show configure
##### Current configuration #####
flow-cache timeout active 30
flow-sampling 1
hostname N-Probe
interface eth0 192.168.10.89 255.255.255.0 gw 192.168.10.5
ip dns1 8.8.8.8
ntp server on tock.stdtime.gov.tw
##### End #####
N-Probe#
```

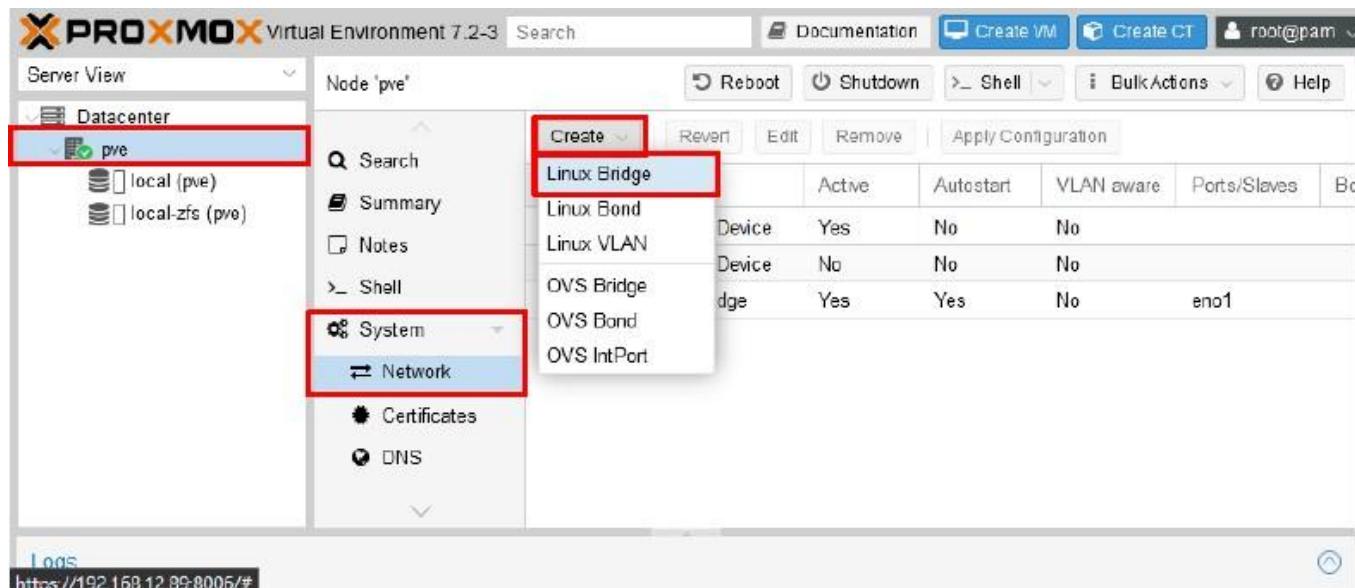
註: 紅色文字部位請輸入 N-Probe/External Receiver IP address

3.4 Proxmox VE 7

3.4.1 Mirror Bridge

※ 請安裝 Proxmox VE 7.0 或以上的版本。

(1) 點選 [PVE node] -> [System] -> [Network] -> [Create] -> [Linux Bridge]



(2) 輸入 Bridge port: eno2 ※請依客戶環境輸入未使用 Interface Port -> 輸入註解: Port Mirror -> 按 [Create]

The screenshot shows the 'Create: Linux Bridge' dialog box. The 'Name' field is set to 'vmbr1'. The 'Autostart' checkbox is checked. The 'VLAN aware' checkbox is unchecked. The 'Bridge ports' field is set to 'eno2'. The 'Comment' field is set to 'Port Mirror'. The 'Create' button is highlighted.

Name: vmbr1

IPv4/CIDR:

Gateway (IPv4):

IPv6/CIDR:

Gateway (IPv6):

Autostart: ☒

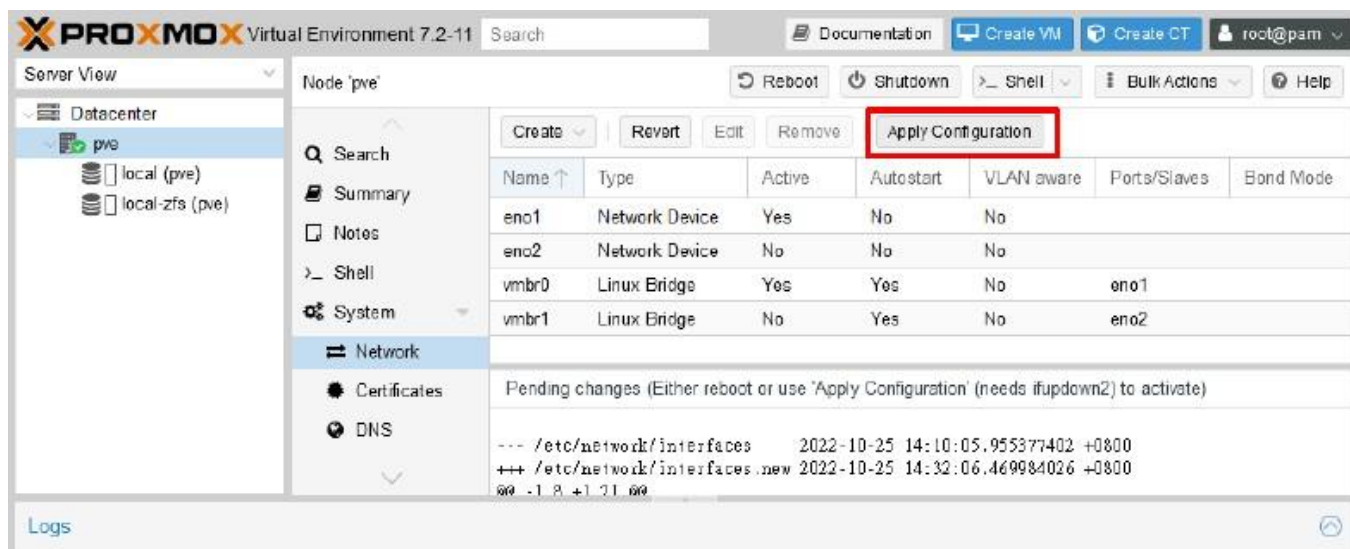
VLAN aware: ☐

Bridge ports: eno2

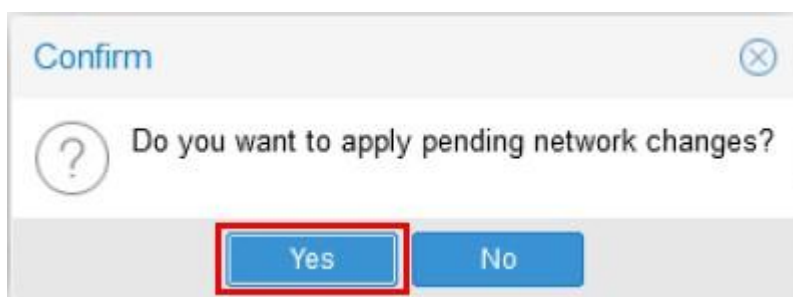
Comment: Port Mirror

Help Advanced ☐ Create

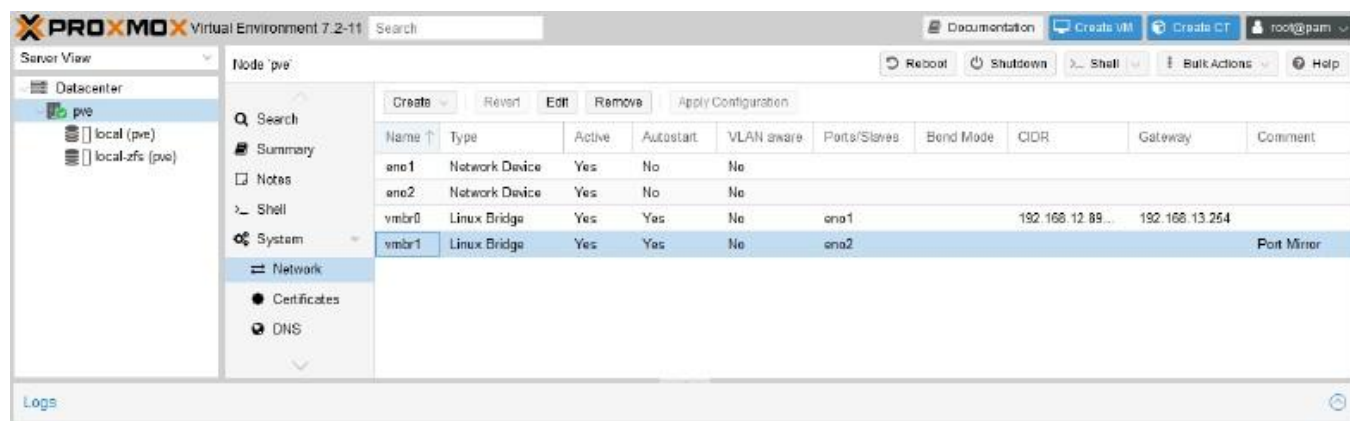
(3) 按 [Apply Configuration]



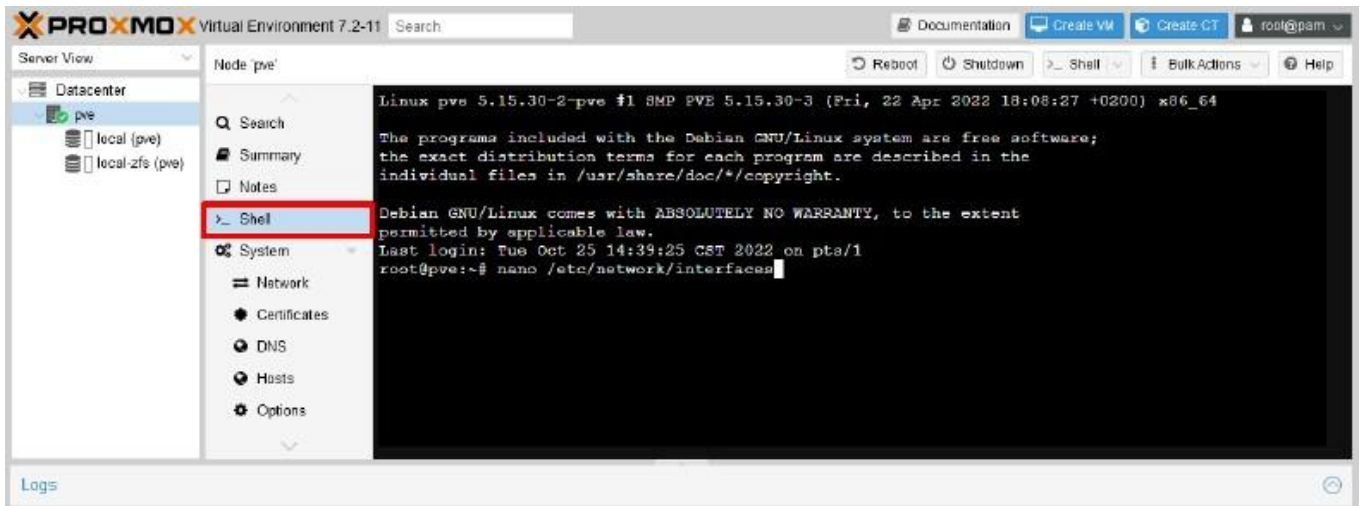
(4) 按 [Yes]



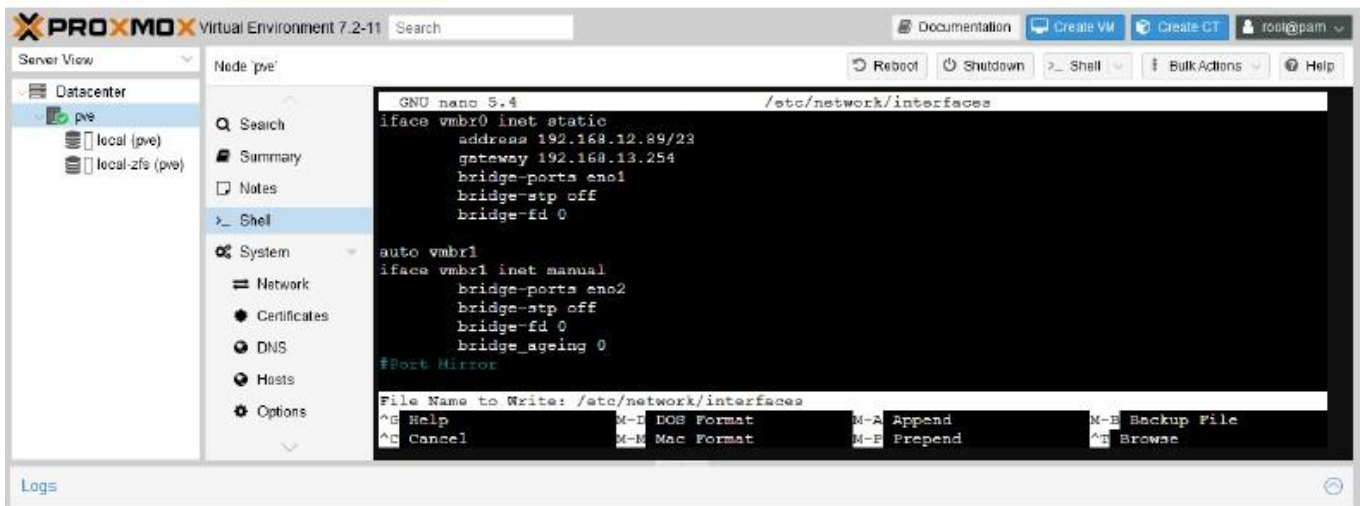
(5) 顯示 VM Bridge 套用情形



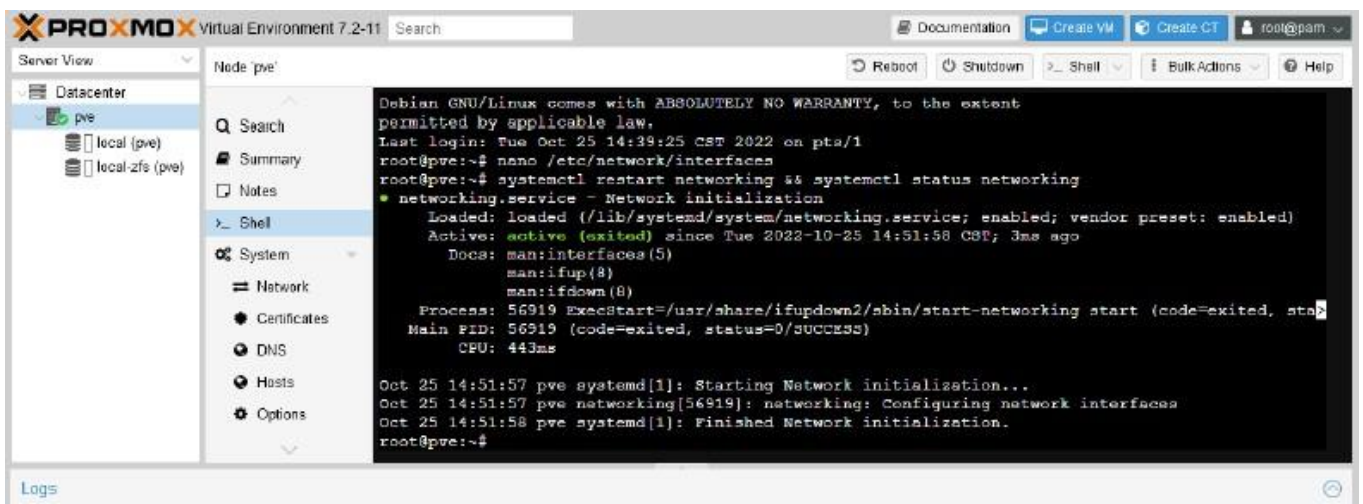
(6) 切換到 [>_ Shell] -> 編輯 interface 輸入 **nano /etc/network/interfaces**



(7) 在 iface vmbr1 ※請依據客戶環境 新增一行 **bridge_ageing 0** -> 按 [Ctrl] + [O] 存檔 -> 再按 [Ctrl] + [X] 離開

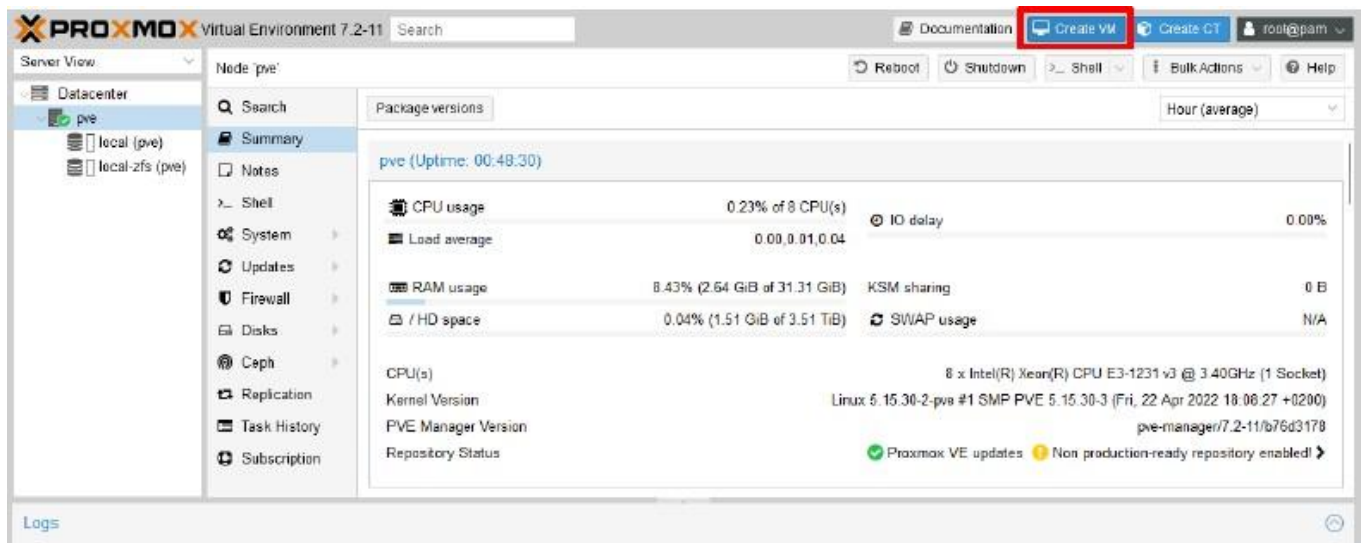


(8) ※重啟網卡可能會影響 PVE 設備網路，輸入 **systemctl restart networking && systemctl status networking**

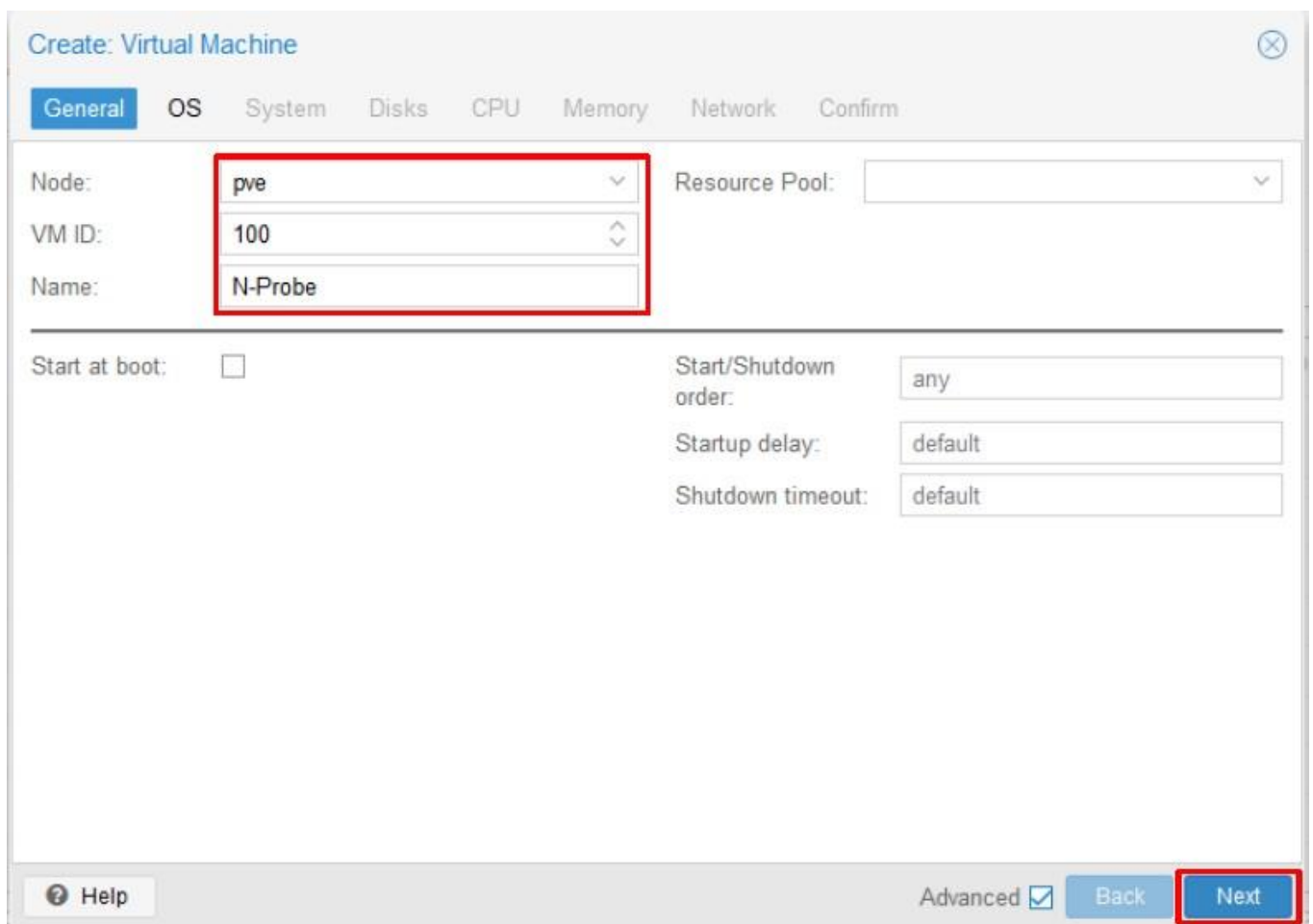


3.4.2 Import N-Probe VM

(1) 按 [Create VM]



(2) [General] 頁面；選擇[PVE Node] -> 輸入 VM ID: 和 VM Name: N-Probe -> 按[Next]



(3) [OS] 頁面；點選[Do not use any media] -> 選擇Guest OS Type: [Linux] -> Version: [6.x - 2.6 Kernel] -> 按 [Next]

Create: Virtual Machine

General **OS** System Disks CPU Memory Network Confirm

☐ Use CD/DVD disc image file (iso)

Storage: local
ISO image:

Guest OS:

Type: Linux
Version: 6.x - 2.6 Kernel

☐ Use physical CD/DVD Drive

☒ Do not use any media

Advanced ☐ Back Next

(4) [System] 頁面；選擇SCSI Controller: [VirtIO SCSI] -> 按[Next]

The screenshot shows the 'Create: Virtual Machine' dialog box with the 'System' tab selected. The 'SCSI Controller' dropdown is set to 'VirtIO SCSI' and is highlighted with a red box. The 'Next' button at the bottom right is also highlighted with a red box. Other settings include 'Graphic card: Default', 'Machine: Default (i440fx)', 'Firmware BIOS: Default (SeaBIOS)', 'Qemu Agent: [unchecked]', and 'Add TPM: [unchecked]'. The 'Advanced' checkbox is checked.

Create: Virtual Machine

General OS **System** Disks CPU Memory Network Confirm

Graphic card: Default

Machine: Default (i440fx)

Firmware

BIOS: Default (SeaBIOS)

SCSI Controller: **VirtIO SCSI**

Qemu Agent: ☐

Add TPM: ☐

Help Advanced ☒ Back **Next**

(5) [Disk] 頁面；選擇Bus/Device: [SCSI] -> 按[Next]

Create: Virtual Machine

GeneralOSSystemDisksCPUMemoryNetworkConfirm

scsi0

DiskBandwidth

Bus/Device:SCSI0Cache:Default (No cache)

SCSI Controller: VirtIO SCSIDiscard:☐

Storage:localIO thread:☐

Disk size (GiB):32

Format:QEMU image format

SSD emulation:☐

Read-only:☐

Backup:☒

Skip replication:☐

Async IO:Default (io_uring)

Add

Help

Advanced☒

Back

Next

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(6) [CPU] 頁面；輸入 Sockets: 和 Cores: 8 ※核心總數 8 以上 -> 按[Next]

Create: Virtual Machine

General OS System Disks **CPU** Memory Network Confirm

Sockets: 1 Type: Default (kvm64)

Cores: 8 Total cores: 8

VCPUs: 8 CPU units: 100

CPU limit: unlimited Enable NUMA: ☐

CPU Affinity: All Cores

Extra CPU Flags:

Default	- ☐ ☒ ☐ ☐ +	md-clear	Required to let the guest OS know if MDS is mitigated correctly
Default	- ☐ ☒ ☐ ☐ +	pcid	Meltdown fix cost reduction on Westmere, Sandy-, and IvyBridge Intel CPUs
Default	- ☐ ☒ ☐ ☐ +	spec-ctrl	Allows improved Spectre mitigation with Intel CPUs
Default	- ☐ ☒ ☐ ☐ +	ssbd	Protection for "Speculative Store Bypass" for Intel models
Default	- ☐ ☒ ☐ ☐ +	ibpb	Allows improved Spectre mitigation with AMD CPUs

Help Advanced ☒ Back Next

(7) [Memory] 頁面；輸入 Memory (MiB): 32768 ※至少 32GiB 以上 -> Ballooning裝置取消勾選 -> 按[Next]

Create: Virtual Machine

GeneralOSSystemDisksCPUMemoryNetworkConfirm

Memory (MiB):

32768

Minimum memory (MiB):

32768

Shares:

Default (1000)

Ballooning Device:

☐

Help

Advanced ☒

Back

Next

(8) [Network] 頁面；選擇Bridge: [vmbr0] ※請依客戶環境選擇 N-Probe 管理介面 -> Model: [Intel E1000] -> 按 [Next]

The screenshot shows the 'Create: Virtual Machine' window with the 'Network' tab selected. The 'Bridge' dropdown is set to 'vmbr0' and the 'Model' dropdown is set to 'Intel E1000'. The 'VLAN Tag' is set to 'no VLAN' and the 'MAC address' is set to 'auto'. The 'Firewall' checkbox is checked. The 'Disconnect' checkbox is unchecked. The 'Rate limit (MB/s)' is set to 'unlimited' and the 'Multiqueue' is set to an empty dropdown. The 'Next' button is highlighted with a red box.

Create: Virtual Machine

General OS System Disks CPU Memory **Network** Confirm

☐ No network device

Bridge: **vmbr0** Model: **Intel E1000**

VLAN Tag: no VLAN MAC address: auto

Firewall: ☒

Disconnect: ☐

Rate limit (MB/s): unlimited

Multiqueue:

Help Advanced ☒ Back **Next**

(9) [Confirm] 页面；查看N-Probe VM 配置-> 按[Finish]

Create: Virtual Machine

General OS System Disks CPU Memory Network **Confirm**

Key ↑	Value
balloon	0
cores	8
ide2	none,media=cdrom
memory	32768
name	N-Probe
net0	e1000,bridge=vibr0,firewall=1
nodename	pve
numa	0
ostype	l26
scsi0	local:32,format=qcow2
scsihw	virtio-scsi-pci
sockets	1
vmid	134

☐ Start after created

Advanced ☒ **Back** **Finish**

(10) 删除硬盘；點選[N-Probe VM] -> [Hardware] -> [Hard Disk] -> 按[Detach]

Virtual Machine 134 (N-Probe) on node 'pve' No Tags **Start** **Shutdown** **Migrate** **Console** **More**

Summary **Console** **Hardware** **Cloud-Init** **Options** **Task History** **Monitor** **Backup** **Replication** **Snapshots** **Firewall** **Permissions**

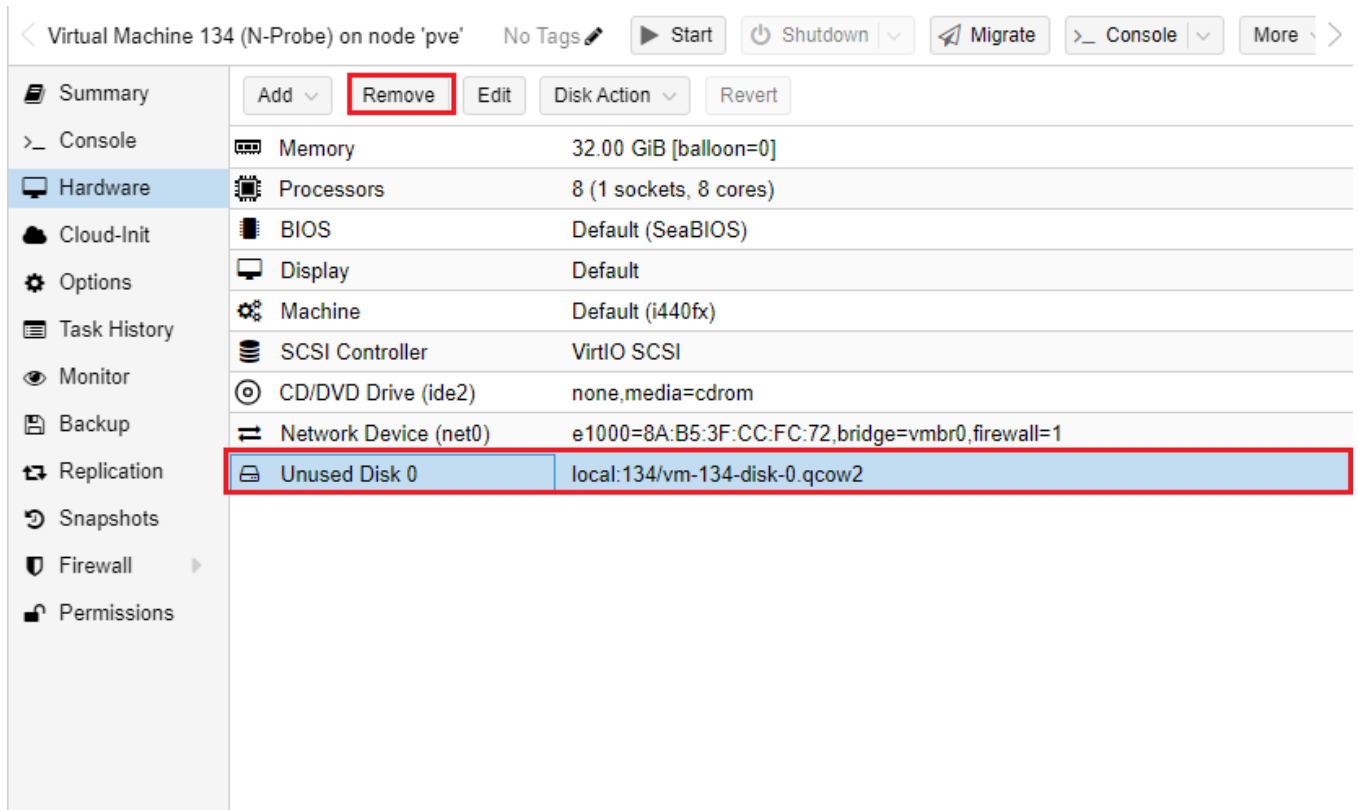
Add **Detach** **Edit** **Disk Action** **Revert**

Memory	32.00 GiB [balloon=0]
Processors	8 (1 sockets, 8 cores)
BIOS	Default (SeaBIOS)
Display	Default
Machine	Default (i440fx)
SCSI Controller	VirtIO SCSI
CD/DVD Drive (ide2)	none,media=cdrom
Hard Disk (scsi0)	local:134/vm-134-disk-0.qcow2,size=32G
Network Device (net0)	e1000=8A:B5:3F:CC:FC:72,bridge=vibr0,firewall=1

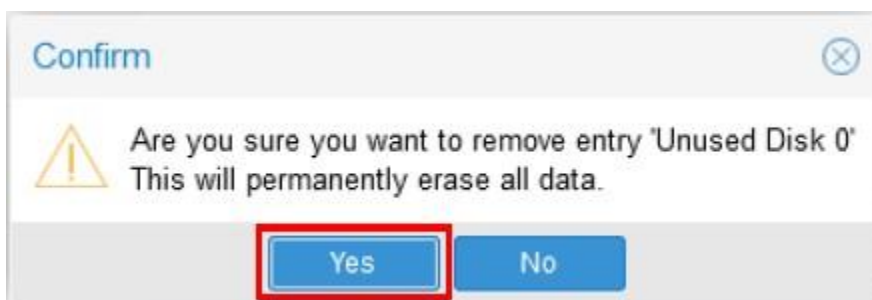
(11) 按[Yes]



(12) 點選[Unused Disk] -> 按[Remove]



(13) 按[Yes]



(14) 移除光碟機；點選[CD/DVD Drive] -> 按[Remove]

Virtual Machine 134 (N-Probe) on node 'pve' No Tags Start Shutdown Migrate Console More

Summary Console Hardware Cloud-Init Options Task History Monitor Backup Replication Snapshots Firewall Permissions

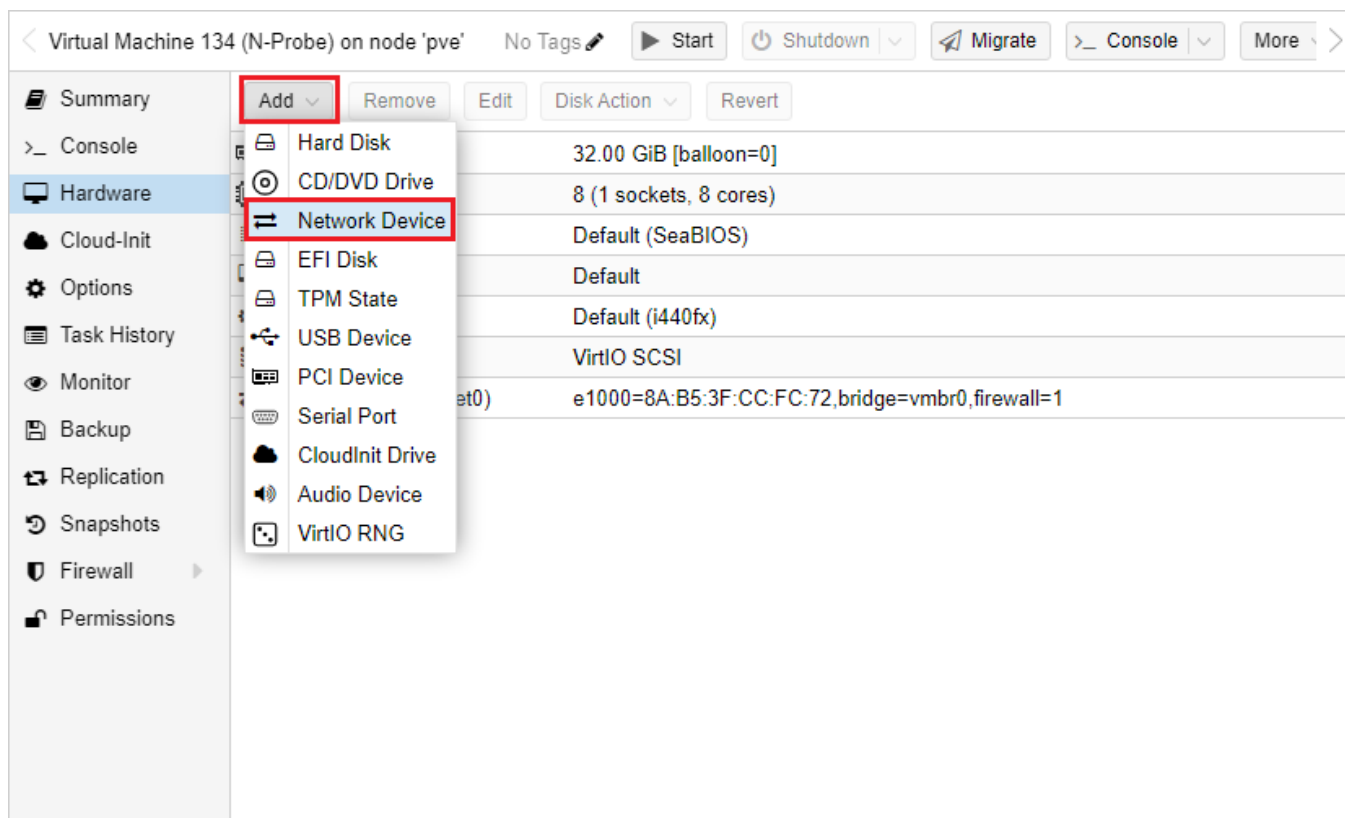
Add Remove Edit Disk Action Revert

Memory	32.00 GiB [balloon=0]
Processors	8 (1 sockets, 8 cores)
BIOS	Default (SeaBIOS)
Display	Default
Machine	Default (i440fx)
SCSI Controller	VirtIO SCSI
CD/DVD Drive (ide2)	none,media=cdrom
Network Device (net0)	e1000=8A:B5:3F:CC:FC:72,bridge=vmb0,firewall=1

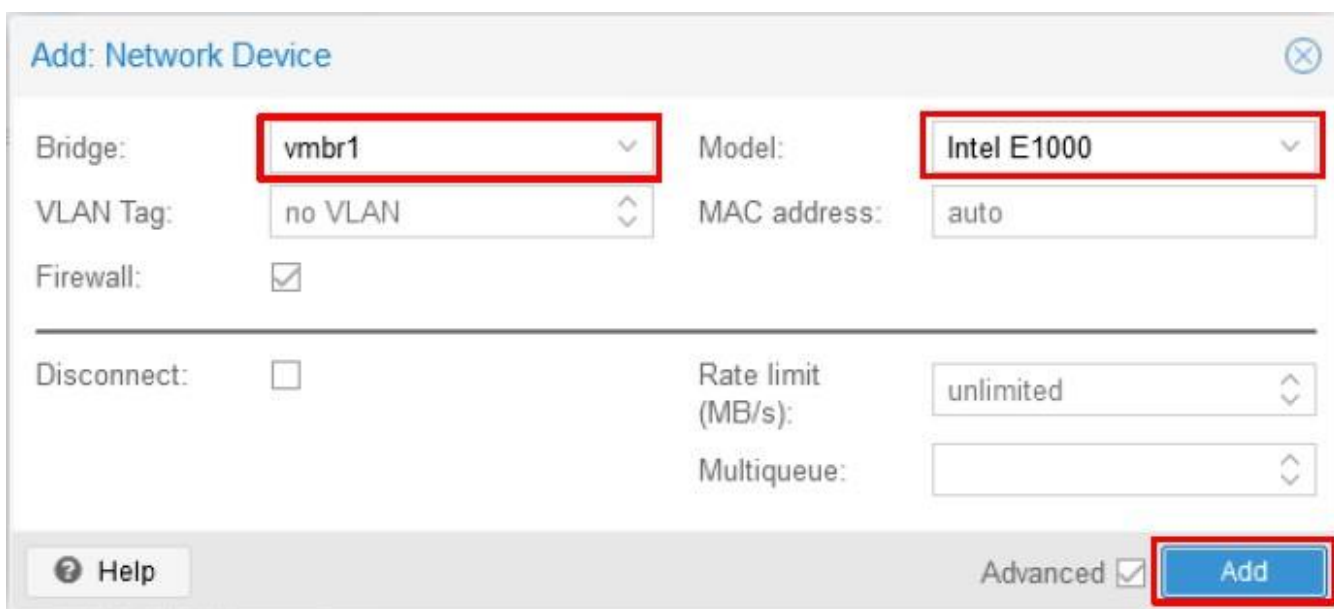
(15) 按[Yes]



(16) 新增 Mirror Bridge; [Hardware] 項目-> 按[Add] -> 點選[Network Device]



(17) 選擇 Mirror Bridge: [vmbr1] ※請依客戶環境選擇 mirror Bridge -> Model: [Intel E1000] -> 按[Add]



(18) 顯示 N-Probe VM 硬體訊息

Virtual Machine 134 (N-Probe) on node 'pve' No Tags

Summary

Console

Hardware

Cloud-Init

Options

Task History

Monitor

Backup

Replication

Snapshots

Firewall

Permissions

Memory	32.00 GiB [balloon=0]
Processors	8 (1 sockets, 8 cores)
BIOS	Default (SeaBIOS)
Display	Default
Machine	Default (i440fx)
SCSI Controller	VirtIO SCSI
Network Device (net0)	e1000=8A:B5:3F:CC:FC:72,bridge=vbr0,firewall=1
Network Device (net1)	e1000=CA:AA:E4:DF:2B:45,bridge=vbr1,firewall=1

使用解壓縮軟體將 N-Probe OVA 解開，並將 N-Probe disk1.vmdk disk2.vmdk 檔案傳送到 Proxmox VE

(15) 查看 KVM 版本

```
# qemu-img --version
```

```
root@pve:~# qemu-img --version
qemu-img version 7.0.0 (pve-qemu-kvm_7.0.0-4)
Copyright (c) 2003-2022 Fabrice Bellard and the QEMU Project developers
root@pve:~#
```

(16) 將 N-Probe vmdk disk1 檔轉換成 qcow2 檔

```
# qemu-img convert -f vmdk N-Probe7_500G_7.0.005-disk1.vmdk -O qcow2 N-Probe7-disk1.qcow2
```

```
root@pve:/mnt/pve/nas1/images# qemu-img convert -f vmdk N-Probe7_500G_7.0.005-disk1.vmdk -O qcow2 N-Probe7-disk1.qcow2
root@pve:/mnt/pve/nas1/images#
```

(17) 將 N-Probe vmdk disk2 檔轉換成 qcow2 檔

```
# qemu-img convert -f vmdk N-Probe7_500G_7.0.005-disk2.vmdk -O qcow2 N-Probe7-disk2.qcow2
```

```
root@pve:/mnt/pve/nas1/images# qemu-img convert -f vmdk N-Probe7_500G_7.0.005-disk2.vmdk -O qcow2 N-Probe7-disk2.qcow2
root@pve:/mnt/pve/nas1/images#
```

(18) 查看轉換 qcow2 檔案格式

```
# qemu-img info N-Probe7-disk1.qcow2
```

```
root@pve:/mnt/pve/nas1/images# qemu-img info N-Probe7-disk1.qcow2
image: N-Probe7-disk1.qcow2
file format: qcow2
virtual size: 128 GiB (137438953472 bytes)
disk size: 3.98 GiB
cluster_size: 65536
Format specific information:
  compat: 1.1
  compression type: zlib
  lazy refcounts: false
  refcount bits: 16
  corrupt: false
  extended l2: false
root@pve:/mnt/pve/nas1/images#
```

```
# qemu-img info N-Probe7-disk2.qcow2
```

```
root@pve:/mnt/pve/nas1/images# qemu-img info N-Probe7-disk2.qcow2
image: N-Probe7-disk2.qcow2
file format: qcow2
virtual size: 500 GiB (536870912000 bytes)
disk size: 41.1 MiB
cluster_size: 65536
Format specific information:
  compat: 1.1
  compression type: zlib
  lazy refcounts: false
  refcount bits: 16
  corrupt: false
  extended l2: false
root@pve:/mnt/pve/nas1/images#
```

(19) 匯入 QCOW2 磁碟至 N-Probe 虛擬機器

```
# qm importdisk 134 N-Probe-disk1.qcow2 local-zfs -format qcow2
```

```
root@pve:/mnt/pve/nas1/images# qm importdisk 134 N-Probe7-disk1.qcow2 zfs_pool -format qcow2
importing disk 'N-Probe7-disk1.qcow2' to VM 134 ...
transferred 0.0 B of 128.0 GiB (0.00%)
```

```
transferred 128.0 GiB of 128.0 GiB (100.00%)
Successfully imported disk as 'unused0:zfs_pool:vm-134-disk-0'
root@pve:/mnt/pve/nas1/images#
```

```
# qm importdisk 134 N-Probe-disk1.qcow2 local-zfs -format qcow2
```

```
root@pve:/mnt/pve/nas1/images# qm importdisk 134 N-Probe7-disk2.qcow2 zfs_pool -format qcow2
importing disk 'N-Probe7-disk2.qcow2' to VM 134 ...
transferred 0.0 B of 500.0 GiB (0.00%)
```

```
transferred 500.0 GiB of 500.0 GiB (100.00%)
Successfully imported disk as 'unused1:zfs_pool:vm-134-disk-1'
root@pve:/mnt/pve/nas1/images#
```

```
qm importdisk <vmid> <source> <storage> --format qcow2
```

(20) 選擇[N-Probe VM] -> 點選[Hardware] -> [Unused Disk 0] -> [Edit]

Virtual Machine 134 (N-Probe) on node 'pve' No Tags Start Shutdown Migrate Console More

Summary Console Hardware Cloud-Init Options Task History Monitor Backup Replication Snapshots Firewall Permissions

Add Remove Edit Disk Action Revert

Memory	32.00 GiB [balloon=0]
Processors	8 (1 sockets, 8 cores)
BIOS	Default (SeaBIOS)
Display	Default
Machine	Default (i440fx)
SCSI Controller	VirtIO SCSI
Network Device (net0)	e1000=8A:B5:3F:CC:FC:72,bridge=vmb0,firewall=1
Network Device (net1)	e1000=CA:AA:E4:DF:2B:45,bridge=vmb1,firewall=1
Unused Disk 0	zfs_pool:vm-134-disk-0
Unused Disk 1	zfs_pool:vm-134-disk-1

(21) [Disk] 頁面；點選Bus/Device: [SCSI] -> 查看[Disk image] 存放位置-> 按[Add]

Add: Unused Disk

Disk Bandwidth

Bus/Device: SCSI 0 Cache: Default (No cache)

SCSI Controller: VirtIO SCSI Discard: ☐

Disk image: zfs_pool:vm-134-disk-0 IO thread: ☐

SSD emulation: ☐ Backup: ☒

Read-only: ☐ Skip replication: ☐

Async IO: Default (io_uring)

Help Advanced Add

(22) 選擇[N-Probe VM] -> 點選[Hardware] -> [Unused Disk 1] -> [Edit]

Virtual Machine 134 (N-Probe) on node 'pve' No Tags Start Shutdown Migrate Console More

Summary Console Hardware Cloud-Init Options Task History Monitor Backup Replication Snapshots Firewall Permissions

Add Remove Edit Disk Action Revert

Memory	32.00 GiB [balloon=0]
Processors	8 (1 sockets, 8 cores)
BIOS	Default (SeaBIOS)
Display	Default
Machine	Default (i440fx)
SCSI Controller	VirtIO SCSI
Hard Disk (scsi0)	zfs_pool:vm-134-disk-0,size=128G
Network Device (net0)	e1000=8A:B5:3F:CC:FC:72,bridge=vmb0,firewall=1
Network Device (net1)	e1000=CA:AA:E4:DF:2B:45,bridge=vmb1,firewall=1
Unused Disk 1	zfs_pool:vm-134-disk-1

(23) [Disk] 頁面；點選Bus/Device: [SCSI] -> 查看[Disk image] 存放位置-> 按[Add]

Add: Unused Disk

Disk

Bandwidth

Bus/Device:

SCSI

1

Cache:

Default (No cache)

SCSI Controller:

VirtIO SCSI

Discard:

☐

Disk image:

zfs_pool:vm-134-disk-1

IO thread:

☐

SSD emulation:

☐

Backup:

☒

Read-only:

☐

Skip replication:

☐

Async IO:

Default (io_uring)

Help

Advanced ☒

Add

(24) 硬體詳細資訊

確認disk 0(128G)為系統硬碟，disk1為資料硬碟。

Virtual Machine 134 (N-Probe) on node 'pve' No Tags Start Shutdown Migrate Console More		
Summary	Add Remove Edit Disk Action Revert	
Console	Memory 32.00 GiB [balloon=0]	
Hardware	Processors 8 (1 sockets, 8 cores)	
Cloud-Init	BIOS Default (SeaBIOS)	
Options	Display Default	
Task History	Machine Default (i440fx)	
Monitor	SCSI Controller VirtIO SCSI	
Backup	Hard Disk (scsi0) zfs_pool:vm-134-disk-0,size=128G	
Replication	Hard Disk (scsi1) zfs_pool:vm-134-disk-1,size=500G	
Snapshots	Network Device (net0) e1000=8A:B5:3F:CC:FC:72,bridge=vmb0,firewall=1	
Firewall	Network Device (net1) e1000=CA:AA:E4:DF:2B:45,bridge=vmb1,firewall=1	
Permissions		

(25) 點選[Option] -> [Boot Order] -> [Edit]

Virtual Machine 134 (N-Probe) on node 'pve' No Tags [Start] [Shutdown] [Migrate] [Console] [More]

Summary [Edit] [Revert]

Console

Hardware

Cloud-Init

Options

Task History

Monitor

Backup

Replication

Snapshots

Firewall

Permissions

Name	N-Probe
Start at boot	No
Start/Shutdown order	order=any
OS Type	Linux 6.x - 2.6 Kernel
Boot Order	net0
Use tablet for pointer	Yes
Hotplug	Disk, Network, USB
ACPI support	Yes
KVM hardware virtualization	Yes
Freeze CPU at startup	No
Use local time for RTC	Default (Enabled for Windows)
RTC start date	now
SMBIOS settings (type1)	uuid=7cea2402-1c4b-4133-b55f-f10105fc4d8c

(26) 勾選[Enabled Device N-Probe disk1] 移動到最上層-> 按[OK]

Edit: Boot Order

#	Enabled	Device	Description
1	☒	scsi0	zfs_pool:vm-134-disk-0,size=128G
2	☐	scsi1	zfs_pool:vm-134-disk-1,size=500G
3	☐	net0	e1000=8A:B5:3F:CC:FC:72,bridge=vmbro,firewall=1
4	☐	net1	e1000=CA:AA:E4:DF:2B:45,bridge=vmbro1,firewall=1

Drag and drop to reorder

[Help] [OK] [Reset]

(27) 點選[>_ Console] -> 按[Start Now]

Virtual Machine 134 (N-Probe) on node 'pve' No Tags [Start] [Shutdown] [Migrate] [Console] [More]

Summary

>_ Console

Hardware

Cloud-Init

Options

Task History

Monitor

Backup

Replication

Snapshots

Firewall

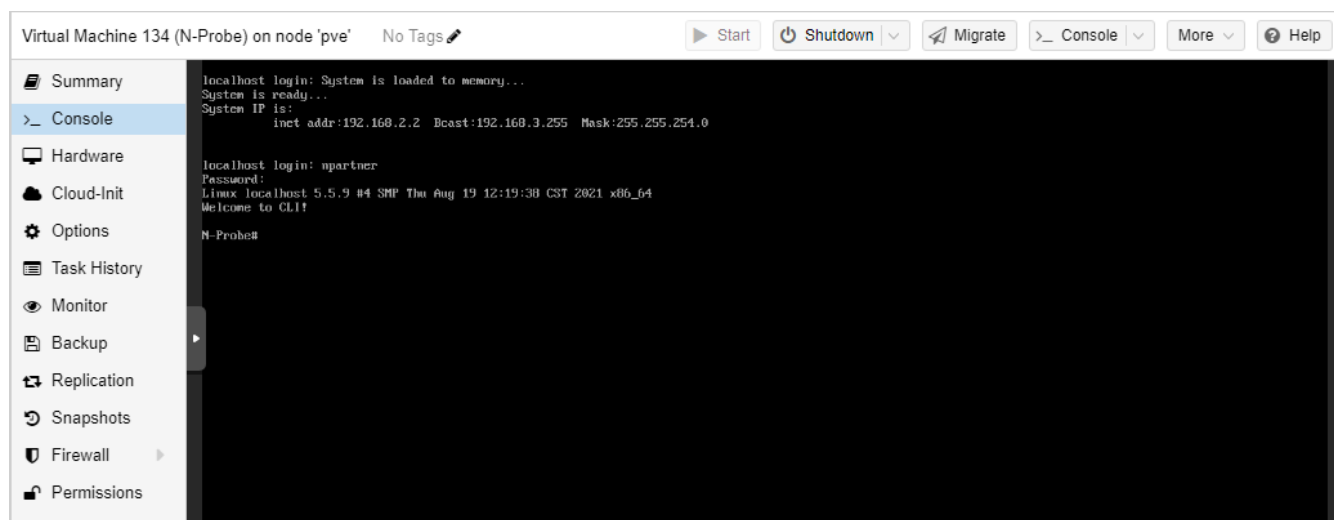
Permissions

Guest not running

[Start Now]

(28) 登入N-Probe/External Receiver

預設 CLI 登入帳號密碼：[npartner](#) / [npartner](#)



(29) 查看 N-Probe/External Receiver 設定

N-Probe# [show configure](#)

```
N-Probe# show configure
##### Current configuration #####
flow-cache timeout active 30
flow-sampling 1
hostname N-Probe
interface eth0 192.168.2.2 255.255.254.0 gw 192.168.3.254
ip dns1 8.8.8.8
ntp server on tock.stdtime.gov.tw
##### End #####
N-Probe#
```

(30) 變更 N-Probe/External Receiver IP address

```
N-Probe# configure terminal
```

IP 設定方式: interface eth0 <N-Probe_IP> <subnet_mask> gw <gateway_IP>

```
N-Probe(config)# interface eth0 192.168.9.91 255.255.254.0 gw 192.168.9.254
```

```
N-Probe(config)# exit
```

```
N-Probe# show configure
```

```
N-Probe# configure terminal
N-Probe(config)# interface eth0 192.168.9.91 255.255.254.0 gw 192.168.9.254
N-Probe(config)# exit
N-Probe# show configure
##### Current configuration #####
flow-cache timeout active 30
flow-sampling 1
hostname N-Probe
interface eth0 192.168.9.91 255.255.254.0 gw 192.168.9.254
ip dns1 8.8.8.8
ntp server on tock.stdtime.gov.tw
##### End #####
N-Probe#
```

註: 紅色文字部位請輸入 N-Probe/External Receiver IP address

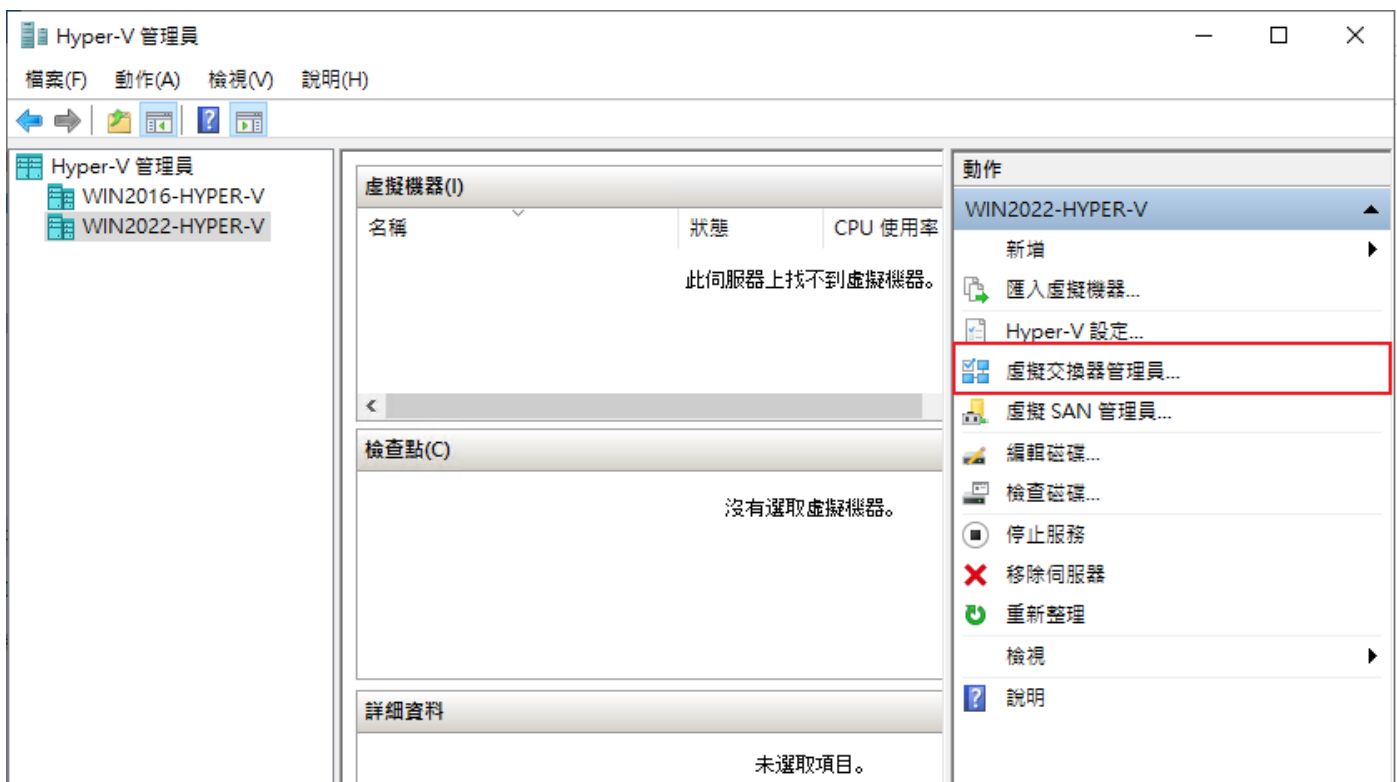
3.5 Hyper-V 2016-2022

3.5.1 Mirror vSwitch

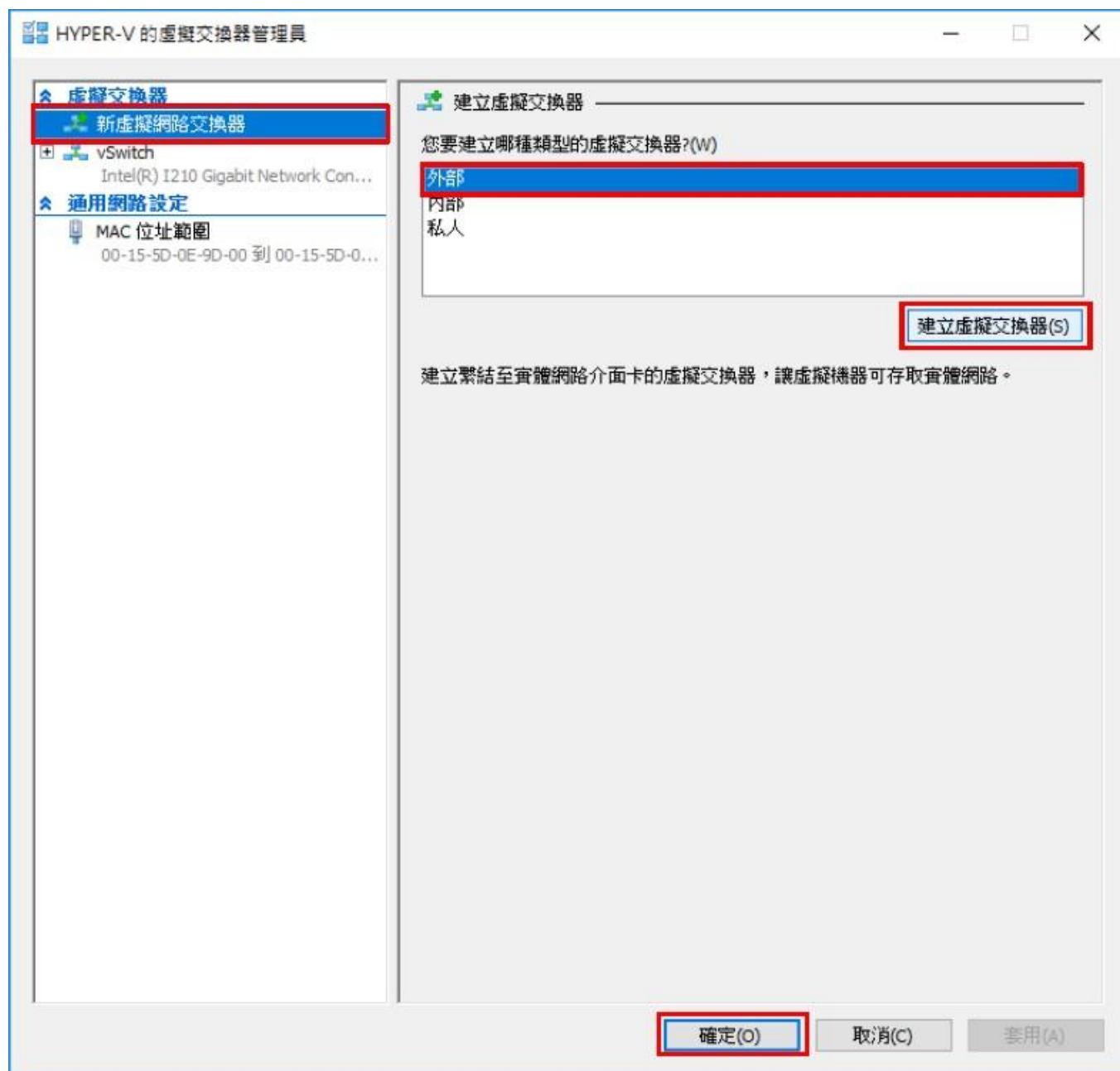
(1) 開啟 [Hyper-V 管理員]



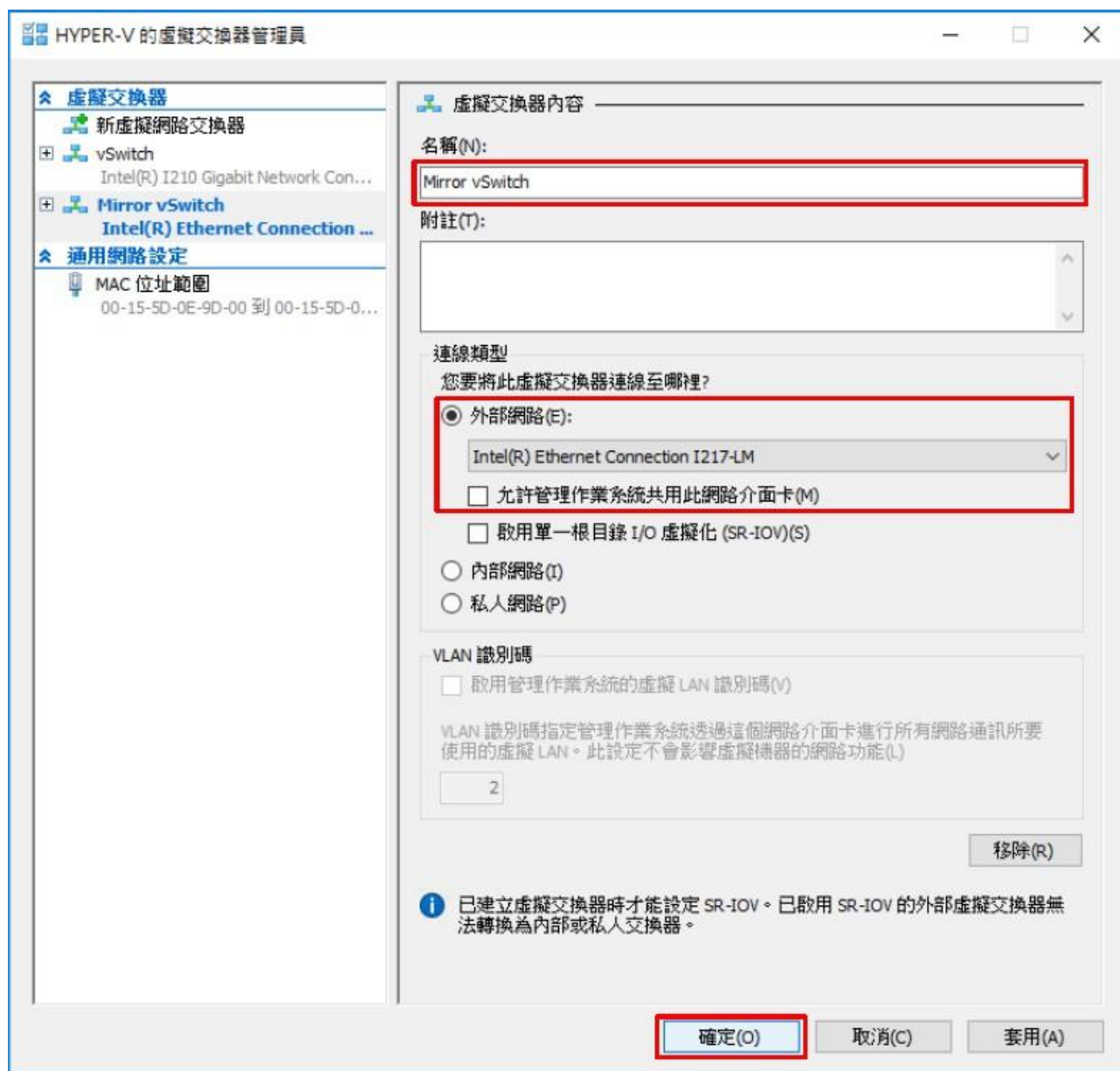
(2) 點選[虛擬交換器管理員]



(3) 點選[新虛擬網路交換器] -> [外部] -> [建立虛擬交換器] -> [確定]



- (4) 輸入 vSwitch 名稱: Mirror vSwitch ※請依客戶環境設定 -> 點選[外部網路] 和[網路介面卡] -> 取消勾選[允許管理作業系統共用此網路介面卡] -> 按[確定]]



- (5) 按[是]

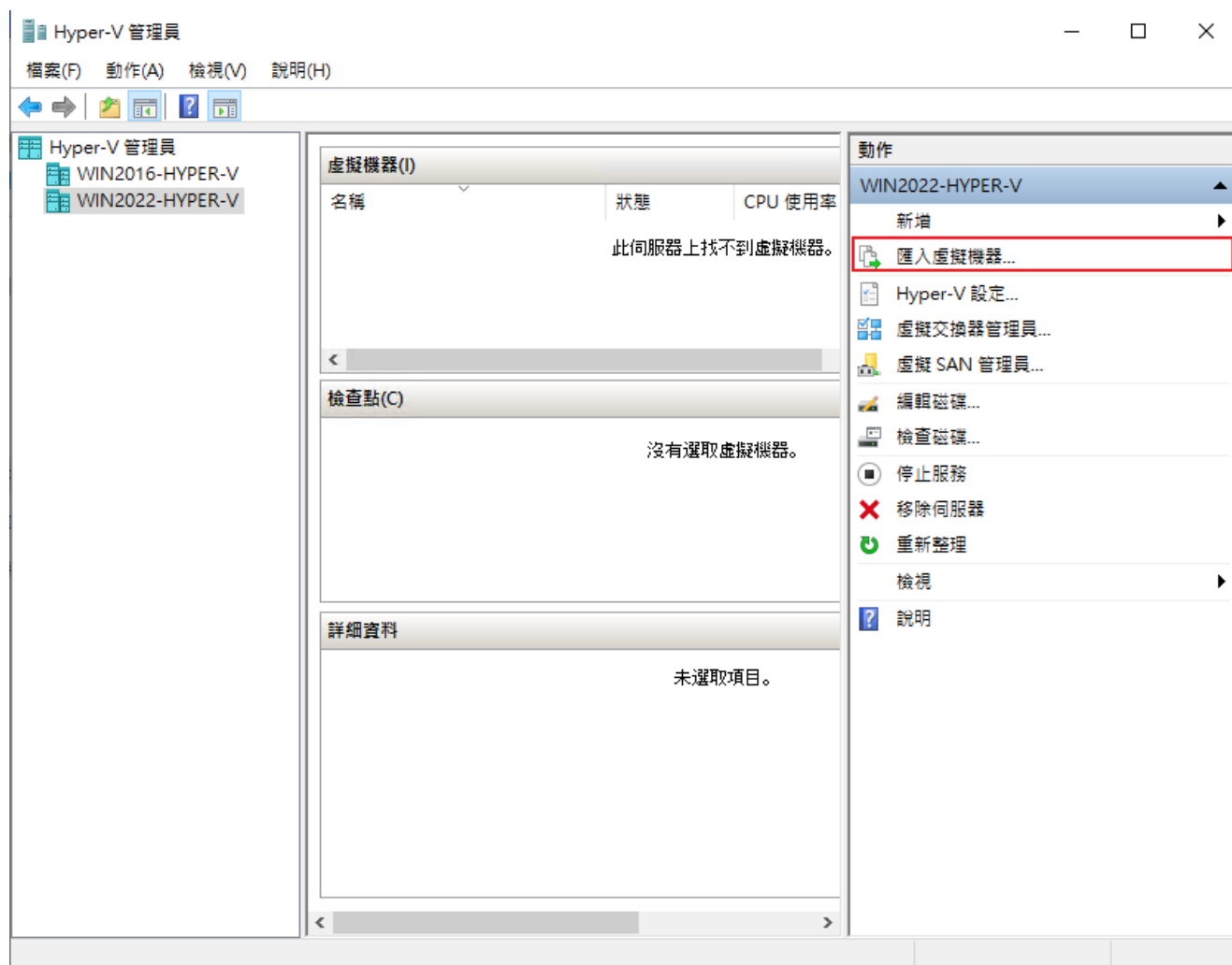


3.5.2 Import N-Probe VM

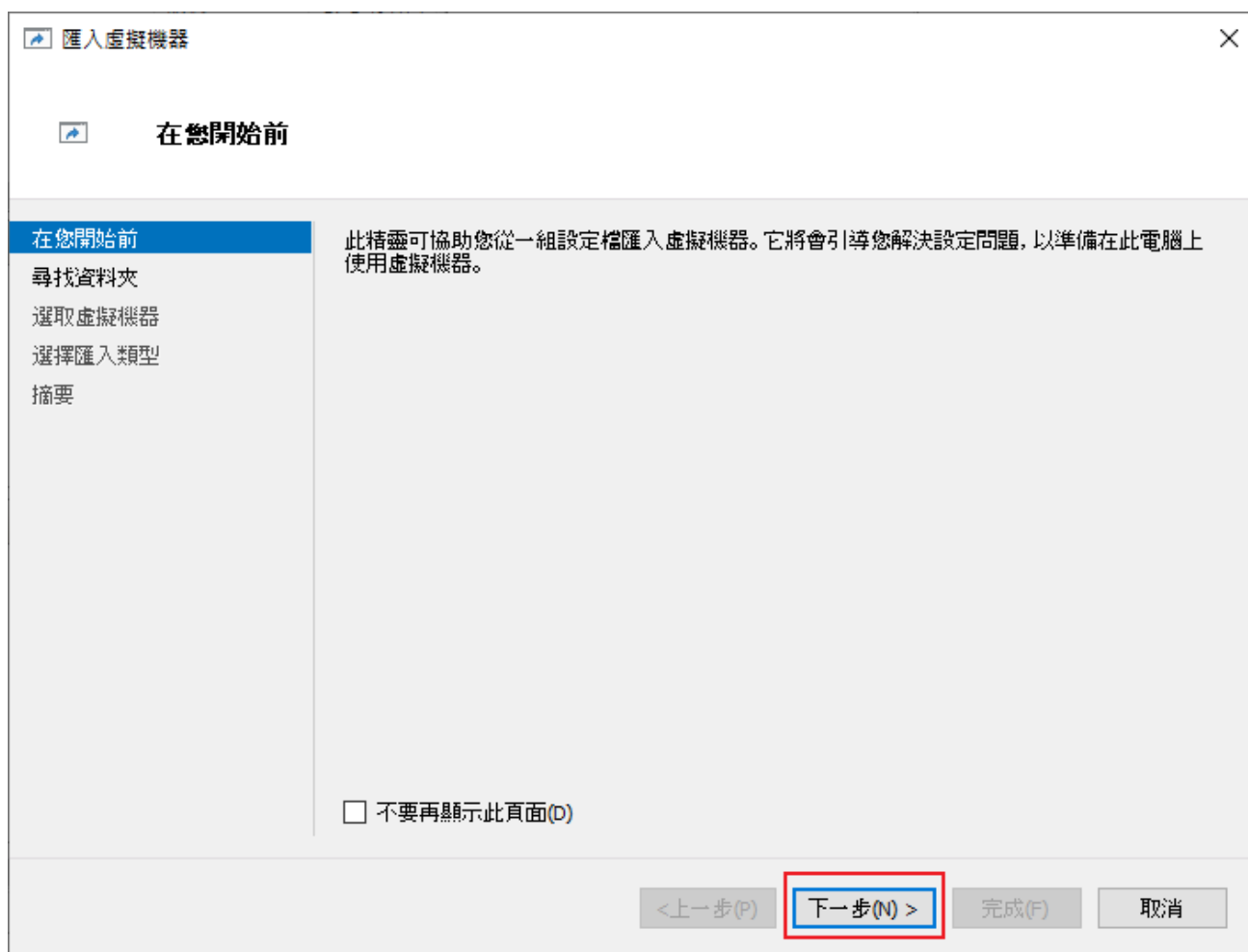
(1) 開啟 [Hyper-V 管理員]



(2) 點選[匯入虛擬機器]



(3) 按[下一步]



The screenshot shows a Windows-style dialog box titled "匯入虛擬機器" (Import Virtual Machine). The window has a close button (X) in the top right corner. Below the title bar, there is a sub-header "在您開始前" (Before you start) with a small icon. The main area is divided into two sections. On the left, there is a list of steps: "在您開始前" (highlighted in blue), "尋找資料夾" (Find folder), "選取虛擬機器" (Select virtual machine), "選擇匯入類型" (Select import type), and "摘要" (Summary). On the right, there is a text block that reads: "此精靈可協助您從一組設定檔匯入虛擬機器。它將會引導您解決設定問題，以準備在此電腦上使用虛擬機器。" (This wizard helps you import a virtual machine from a set of settings. It will guide you through solving configuration issues to prepare the virtual machine for use on this computer.). Below this text is a checkbox labeled "□ 不要再顯示此頁面(D)" (Don't show this page again (D)). At the bottom of the window, there are four buttons: "< 上一步(B)" (Previous step (B)), "下一步(N) >" (Next step (N) >), "完成(F)" (Finish (F)), and "取消" (Cancel). The "下一步(N) >" button is highlighted with a red rectangular border.

匯入虛擬機器

在您開始前

在您開始前

尋找資料夾

選取虛擬機器

選擇匯入類型

摘要

此精靈可協助您從一組設定檔匯入虛擬機器。它將會引導您解決設定問題，以準備在此電腦上使用虛擬機器。

☐ 不要再顯示此頁面(D)

< 上一步(B) 下一步(N) > 完成(F) 取消

(4) 點[瀏覽] 選擇匯入N-Probe 虛擬機器的資料夾-> 按[下一步]

 匯入虛擬機器 ×

 尋找資料夾

在您開始前

尋找資料夾

選取虛擬機器

選擇匯入類型

摘要

指定包含要匯入之虛擬機器的資料夾。

資料夾(O):

< 上一步(P)

下一步(N) >

完成(F)

取消

(5) 確認匯入 N-Probe 虛擬機器 -> 按[下一步]

匯入虛擬機器

選取虛擬機器

在您開始前
尋找資料夾
選取虛擬機器
選擇匯入類型
摘要

選取要匯入的虛擬機器(S):

名稱	建立日期
N-Probe7_500G	2024/4/26 下午 05:39:47

<上一步(P) 下一步(N) > 完成(F) 取消

(6) 點選[複製虛擬機器(建立新的唯一識別碼)] -> 按[下一步]

匯入虛擬機器

選擇匯入類型

在您開始前
尋找資料夾
選取虛擬機器
選擇匯入類型
摘要

選擇要執行的匯入類型:

☐ 就地登錄虛擬機器 (使用現有的唯一識別碼)(R)

☐ 還原虛擬機器 (使用現有的唯一識別碼)(S)

☒ 複製虛擬機器 (建立新的唯一識別碼)(O)

<上一步(P) 下一步(N) > 完成(F) 取消

(7) 選擇虛擬機器儲存位置-> 按[下一步]

 匯入虛擬機器

 選擇虛擬機器檔案的資料夾

在您開始前

尋找資料夾

選取虛擬機器

選擇匯入類型

選擇目的地

選擇儲存資料夾

摘要

您可以指定新資料夾或現有資料夾來儲存虛擬機器檔案。若未指定，精靈會將檔案匯入到此電腦上的預設 Hyper-V 資料夾，或是在虛擬機器設定中指定的資料夾。

☐ 將虛擬機器儲存在不同位置(S)

虛擬機器設定資料夾(V):
E:\Hyper-V\VMs\ 瀏覽(B)...

檢查點存放區(C):
E:\Hyper-V\VMs\N-Probe7_500G 瀏覽(R)...

智慧型分頁處理資料夾(M):
E:\Hyper-V\VMs\N-Probe7_500G 瀏覽(O)...

< 上一步(P)

下一步(N) >

完成(F)

取消

(8) 選擇儲存虛擬硬碟儲存位置-> 按[下一步]

匯入虛擬機器

選擇要用來儲存虛擬硬碟檔案的資料夾

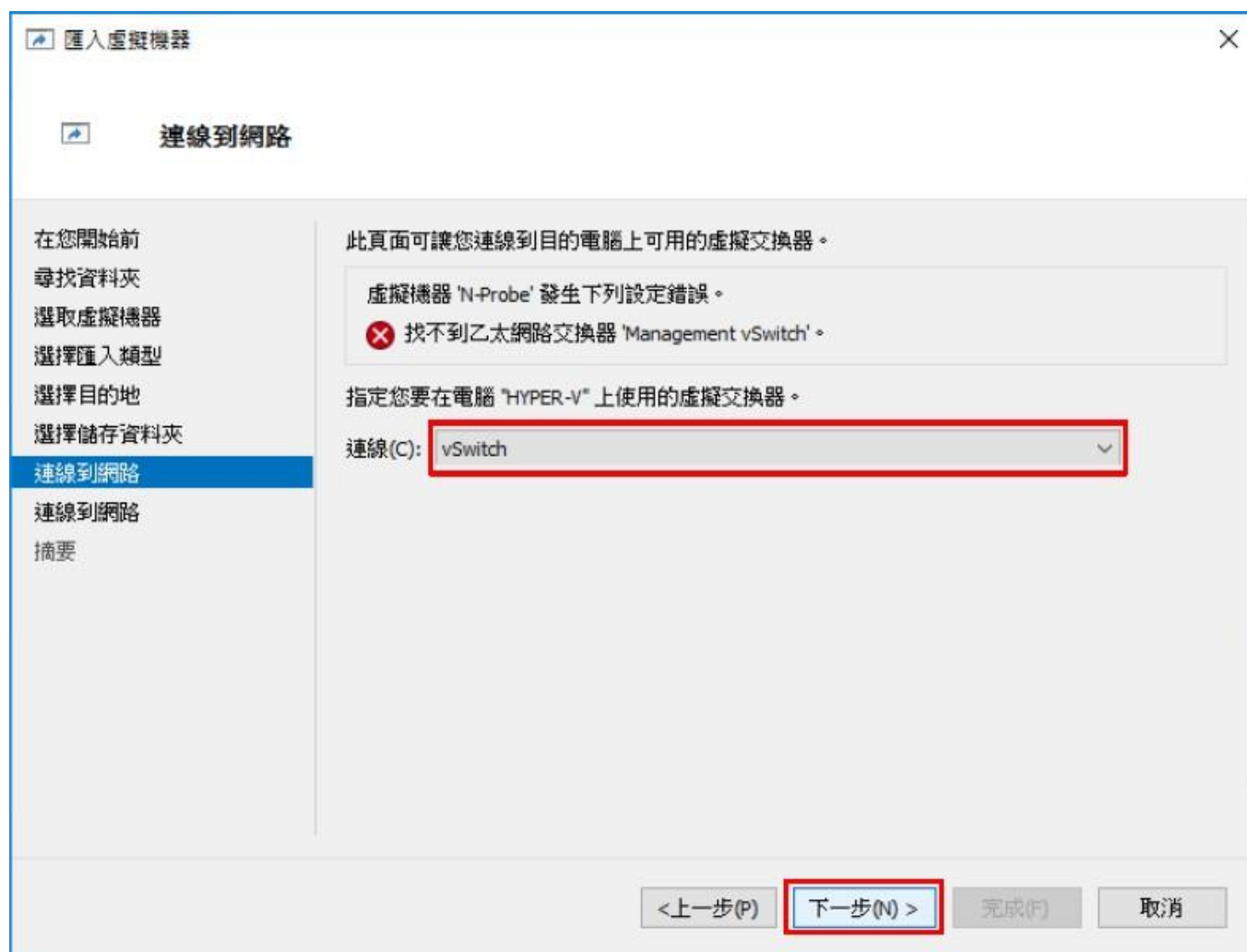
在您開始前
尋找資料夾
選取虛擬機器
選擇匯入類型
選擇目的地
選擇儲存資料夾
摘要

您要將此虛擬機器的匯入虛擬硬碟儲存在何處?

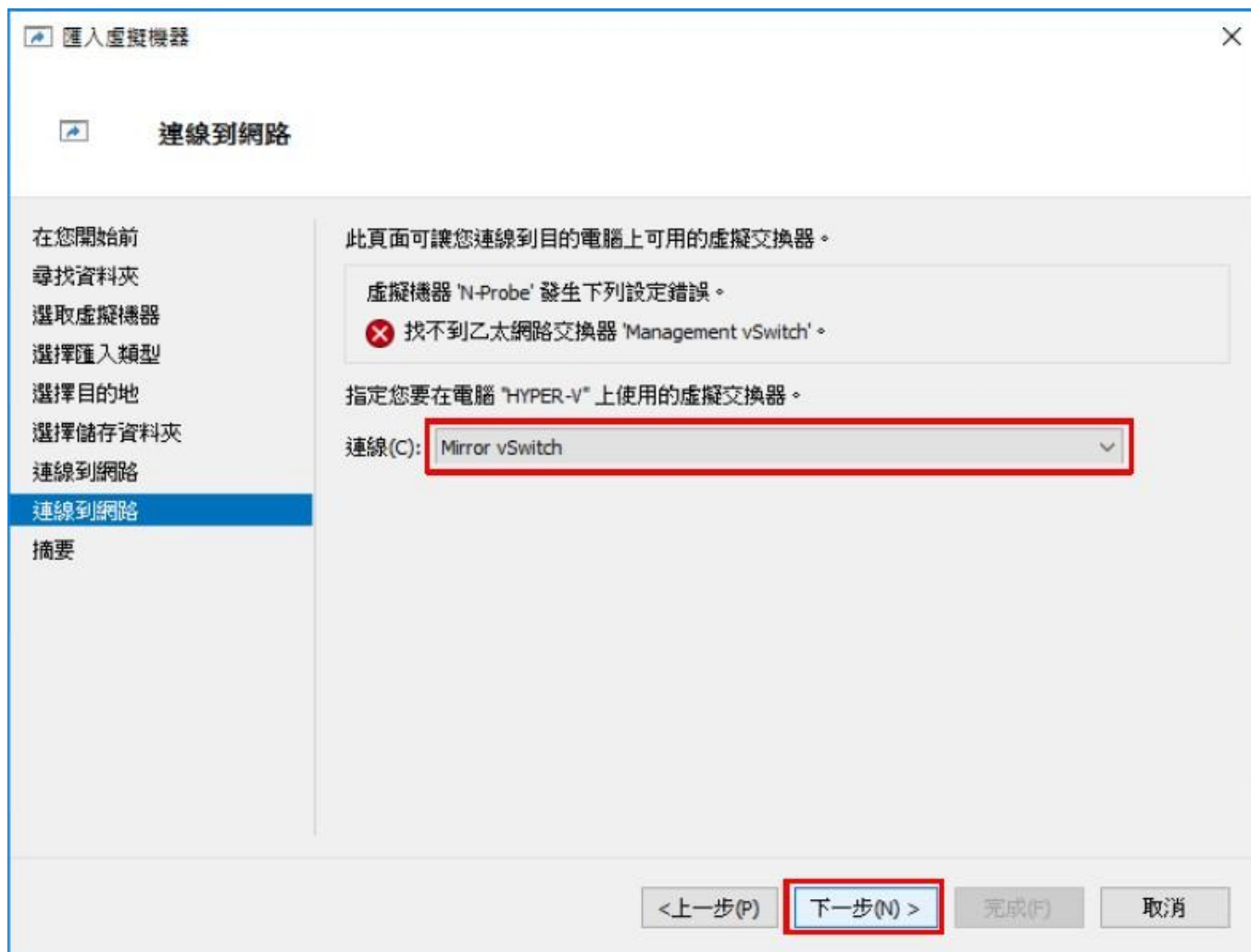
位置(L): E:\Hyper-V\VMs\N-Probe7_500G\Virtual Hard Disks\ 瀏覽(B)...

< 上一步(P) 下一步(N) > 完成(F) 取消

(9) 選擇管理介面虛擬交換器-> 按[下一步]



(10) 選擇 Mirror 鏡像介面虛擬交換器-> 按[下一步]



匯入虛擬機器

連線到網路

在您的開始前
尋找資料夾
選取虛擬機器
選擇匯入類型
選擇目的地
選擇儲存資料夾
連線到網路
摘要

此頁面可讓您連線到目的電腦上可用的虛擬交換器。

虛擬機器 'N-Probe' 發生下列設定錯誤。

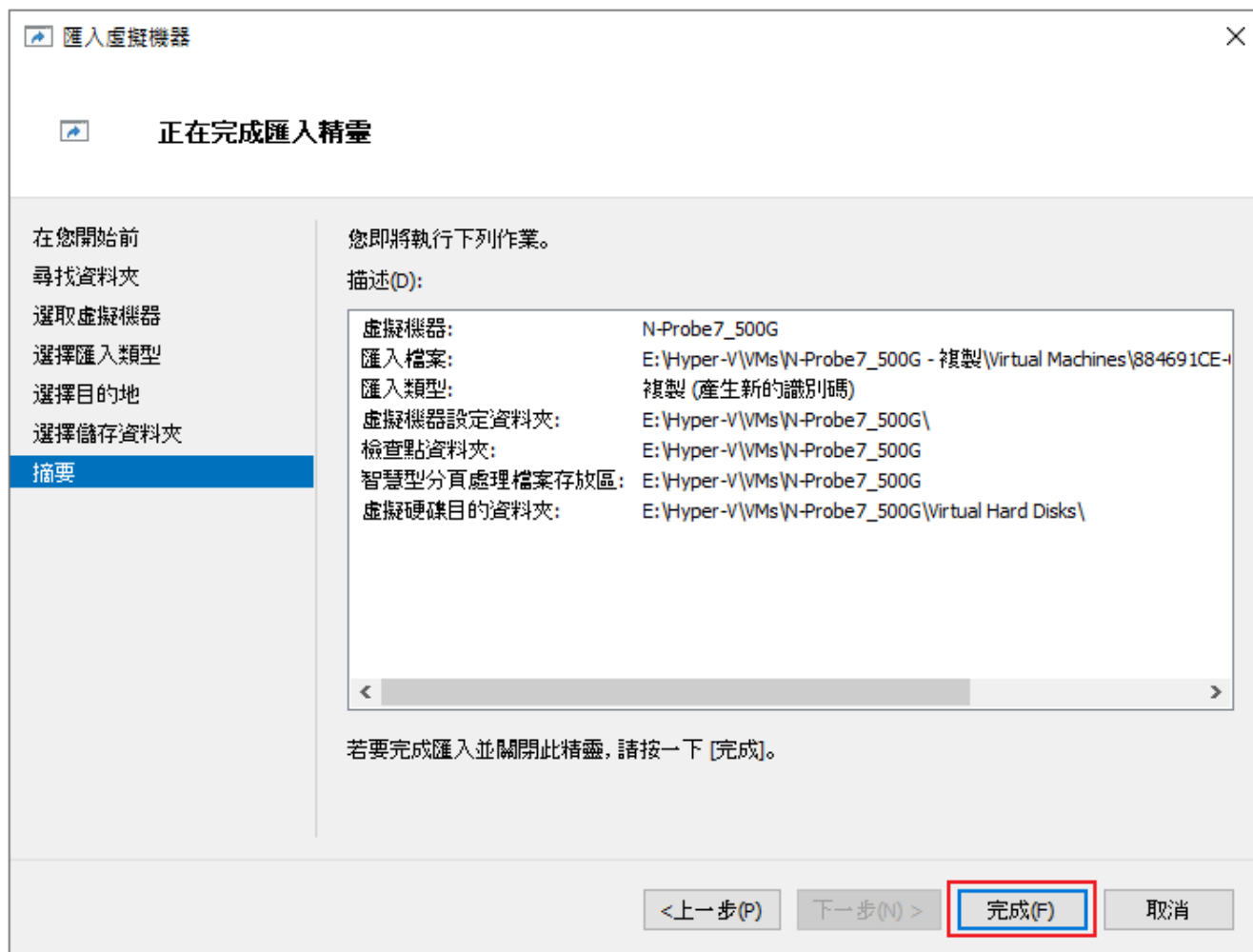
✖ 找不到乙太網路交換器 'Management vSwitch'。

指定您要在電腦 "HYPER-V" 上使用的虛擬交換器。

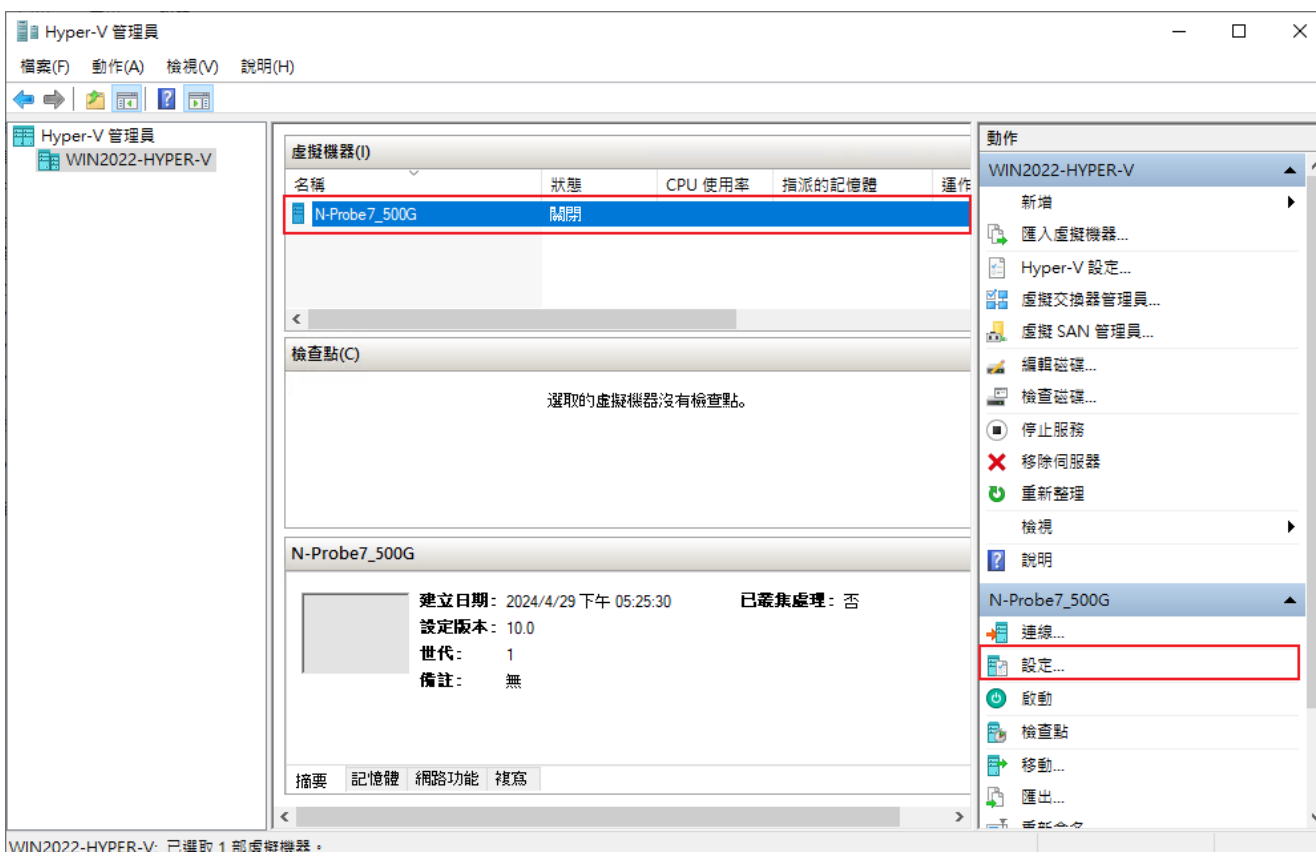
連線(C): Mirror vSwitch

<上一步(P) 下一步(N) > 完成(F) 取消

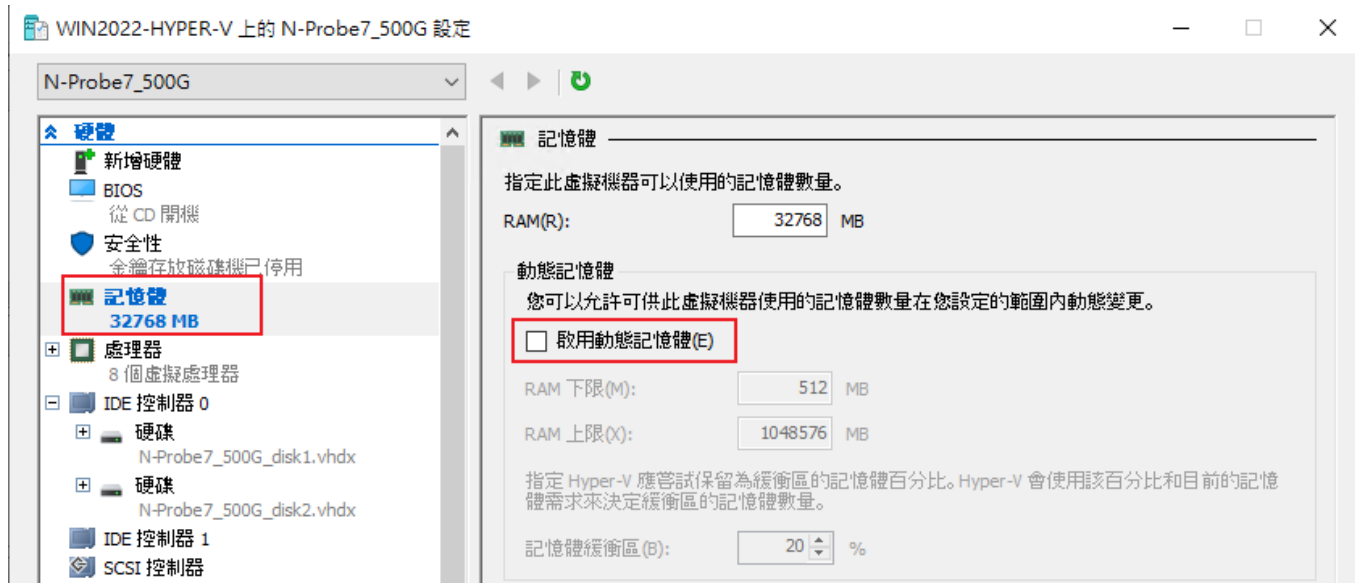
(11) 按[完成]



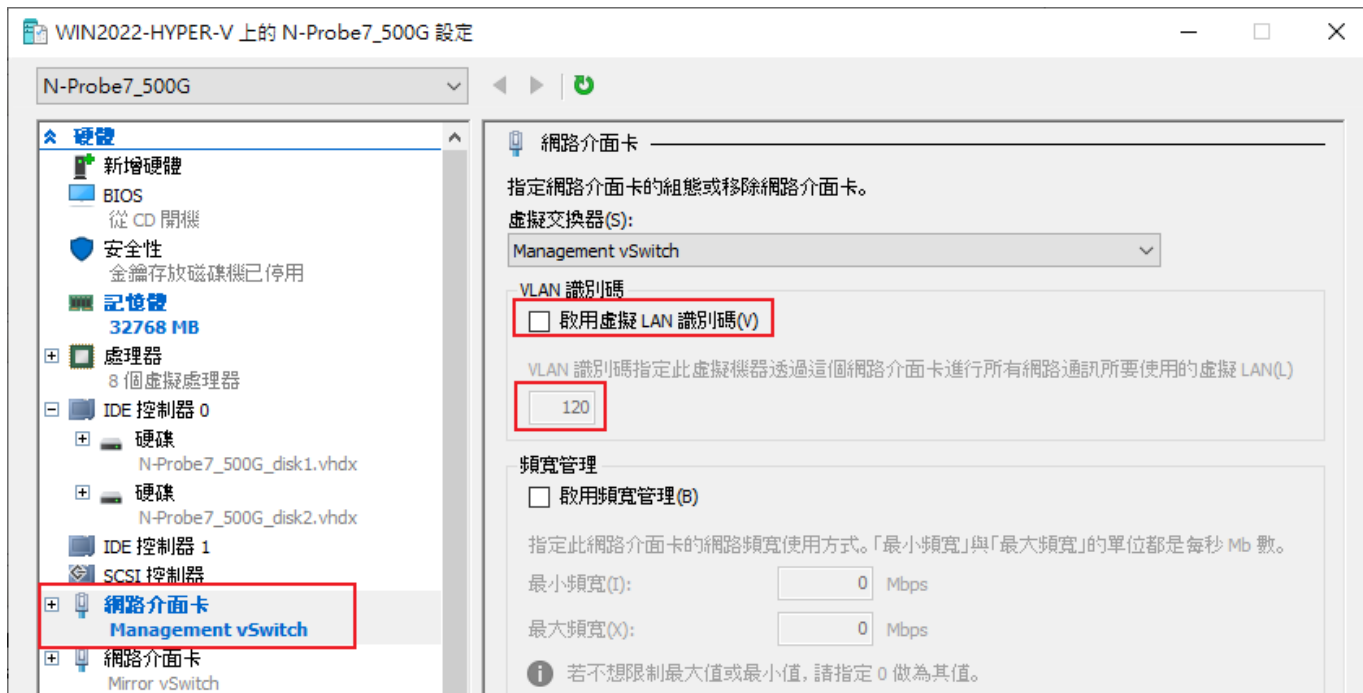
(12) 選擇 N-Probe VM -> 按[設定]



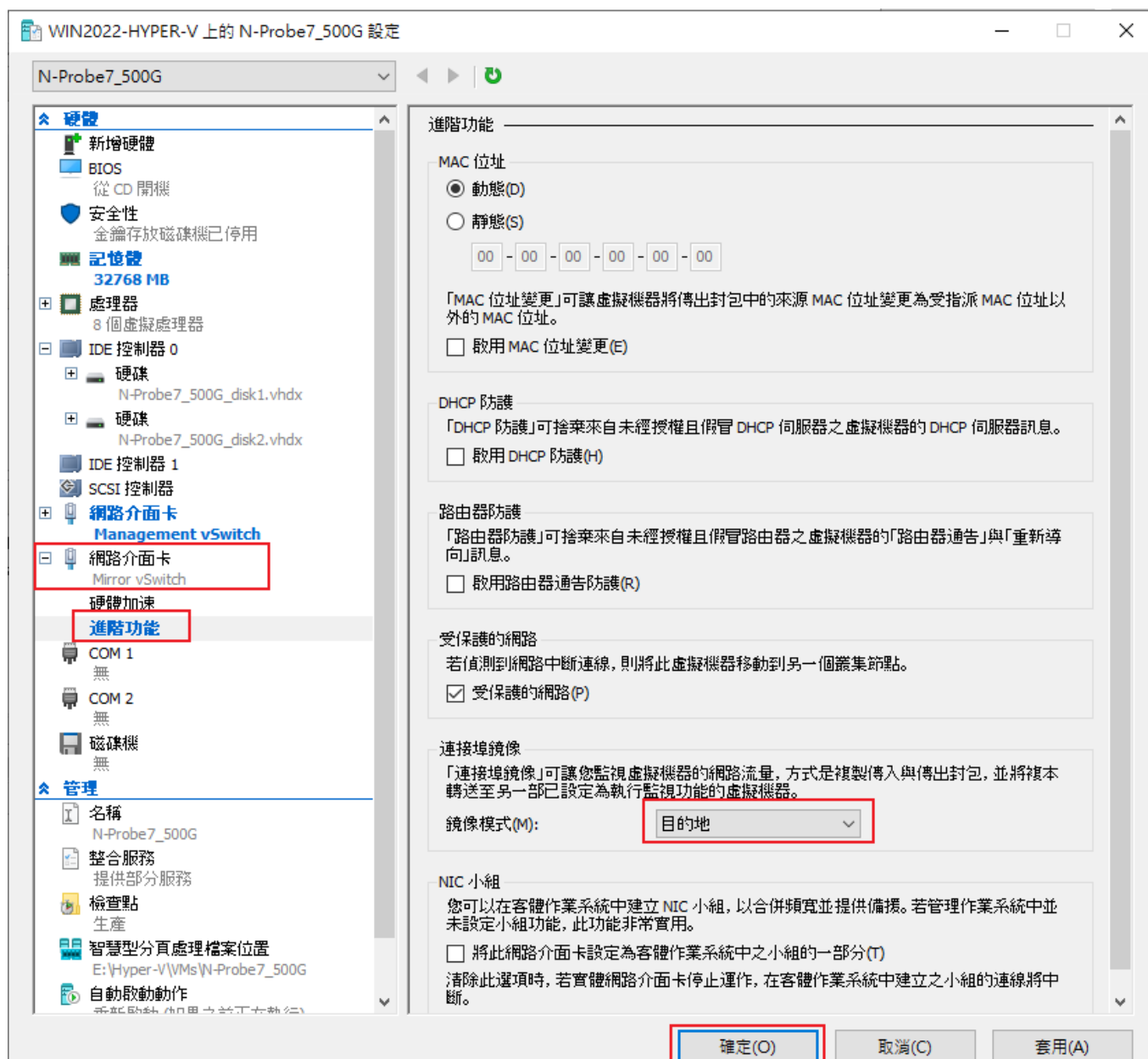
(13) [記憶體] 頁面；取消勾選[啟用動態記憶體]



(14) 管理[網路介面卡] 頁面；依據客戶環境選擇是否[啟用虛擬LAN 識別碼] -> 按[套用]



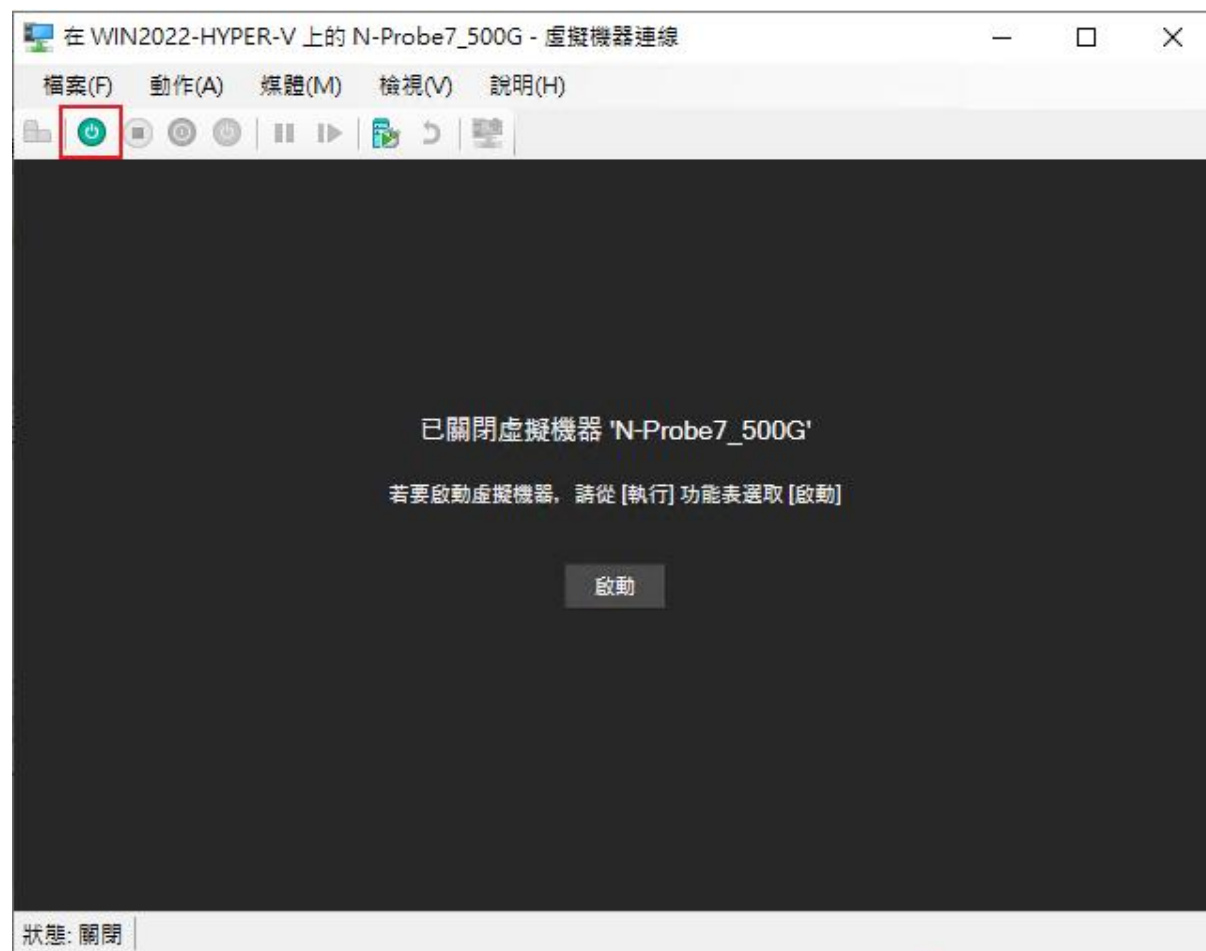
(15) 展開鏡像[網路介面卡] 的[進階功能] 頁面；鏡像模式: 選擇[目的地] -> 按[確定]



(16) 按[連線]



(17) 點選[啟動]



(18) 登入 N-Probe/External Receiver

預設 CLI 登入帳號密碼：[npartner](#) / [npartner](#)

```
在 WIN2022-HYPER-V 上的 N-Probe7_500G - 虛擬機器連線
檔案(F) 動作(A) 媒體(M) 剪貼簿(C) 檢視(V) 說明(H)

localhost login: System is loaded to memory...
System is ready...
System IP is:
inet addr:192.168.2.2 Bcast:192.168.3.255 Mask:255.255.254.0

localhost login: npartner
Password:
Linux localhost 5.5.9 #4 SMP Thu Aug 19 12:19:38 CST 2021 x86_64
Welcome to CLI!

N-Probe#
```

(19) 查看 N-Probe/External Receiver 設定

N-Probe# [show configure](#)

```
N-Probe# show configure
##### Current configuration #####
flow-cache timeout active 30
flow-sampling 1
hostname N-Probe
https-only on
interface eth0 192.168.2.2 255.255.254.0 gw 192.168.3.254
ip dns1 8.8.8.8
ntp server on tock.stdtime.gov.tw
##### End #####
N-Probe# _
```

(20) 變更 N-Probe/External Receiver IP address

N-Probe# [configure terminal](#)

IP 設定方式: `interface eth0 <N-Probe_IP> <subnet_mask> gw <gateway_IP>`

N-Probe(config)# [interface eth0](#) [192.168.3.94](#) [255.255.254.0](#) gw [192.168.3.254](#)

N-Probe(config)# [exit](#)

N-Probe# [show configure](#)

```
N-Probe# configure terminal
N-Probe(config)# interface eth0 192.168.3.94 255.255.254.0 gw 192.168.3.254
N-Probe(config)# exit
N-Probe# show configure
##### Current configuration #####
flow-cache timeout active 30
flow-sampling 1
hostname N-Probe
https-only on
interface eth0 192.168.3.94 255.255.254.0 gw 192.168.3.254
ip dns1 8.8.8.8
ntp server on tock.stdtime.gov.tw
##### End #####
N-Probe#
```

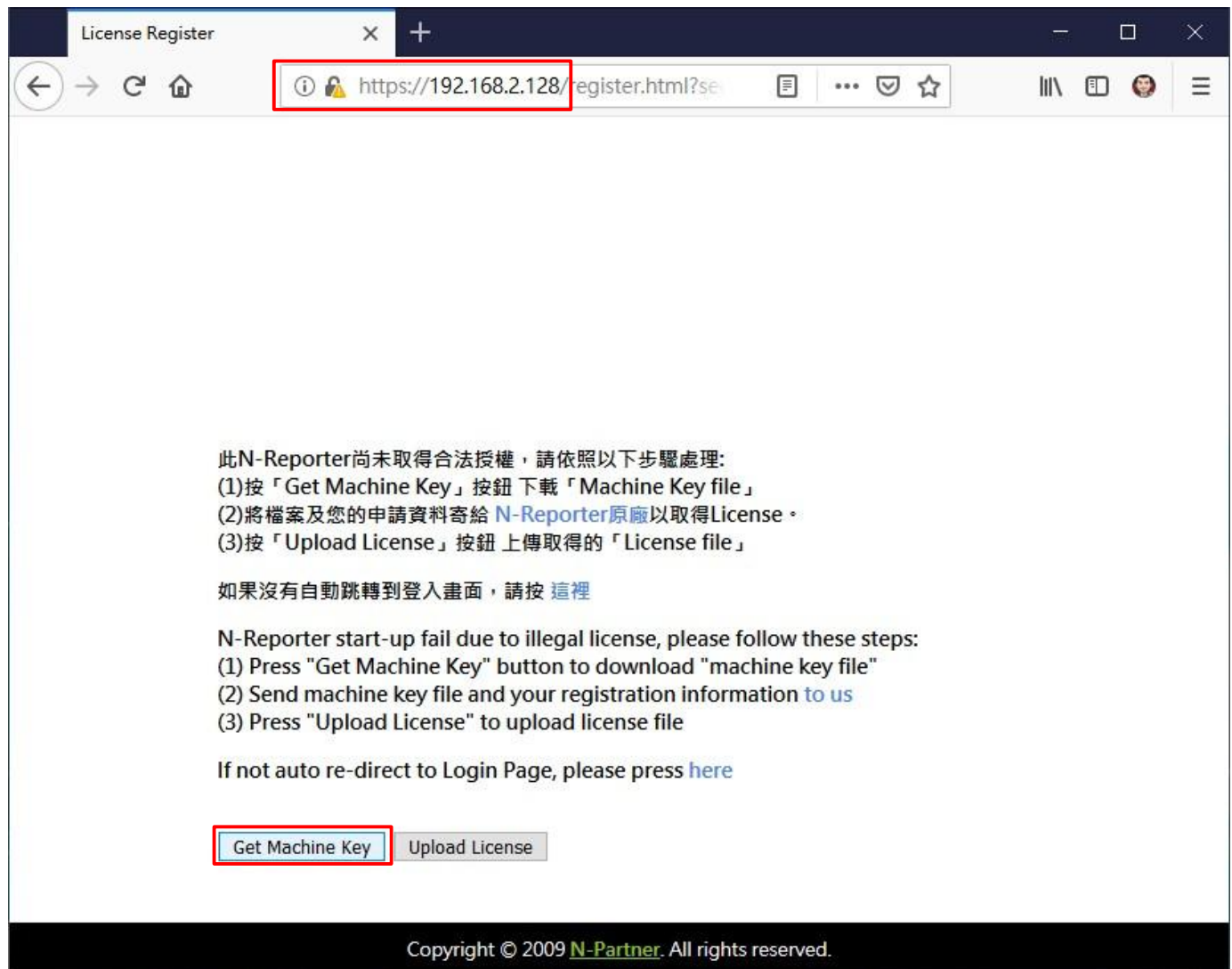
註: 紅色文字部位請輸入 N-Probe/External Receiver IP address

4. 更新流程

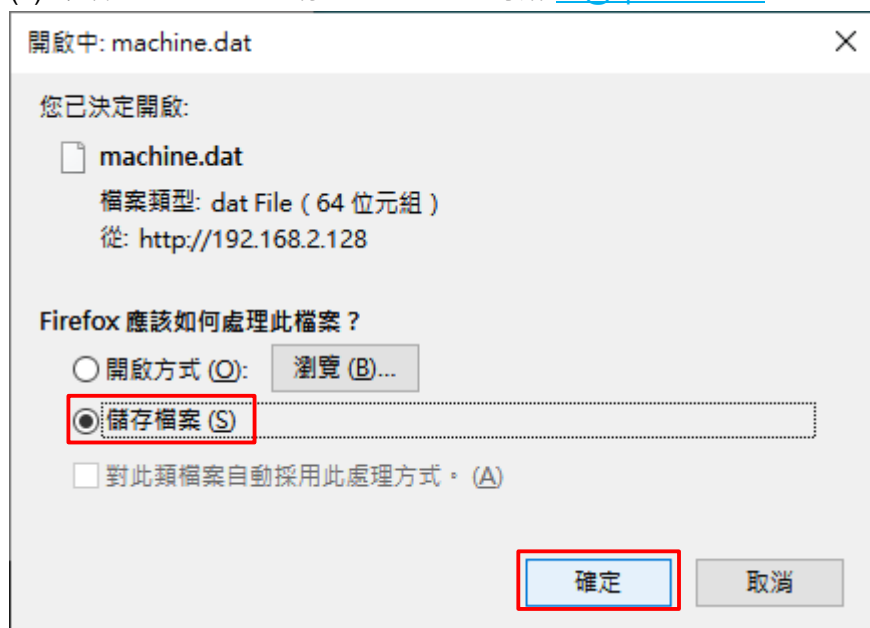
4.1 License upload

(1) 下載 machine.dat 檔案

開啟 [瀏覽器] -> URL 輸入 <https://<N-Probe/External Receiver IP>> -> 連上 N-Probe/External Receiver License 頁面 -> 按 [Get Machine Key]



(2) 下載 machine.dat。將 machine.dat 寄給 se@npartner.com



(3) 請依底下圖示的郵件格式撰寫

郵件格式

主旨：N-Probe License 測試申請

郵件內容：

公司名稱：

申請人：

電子郵件：

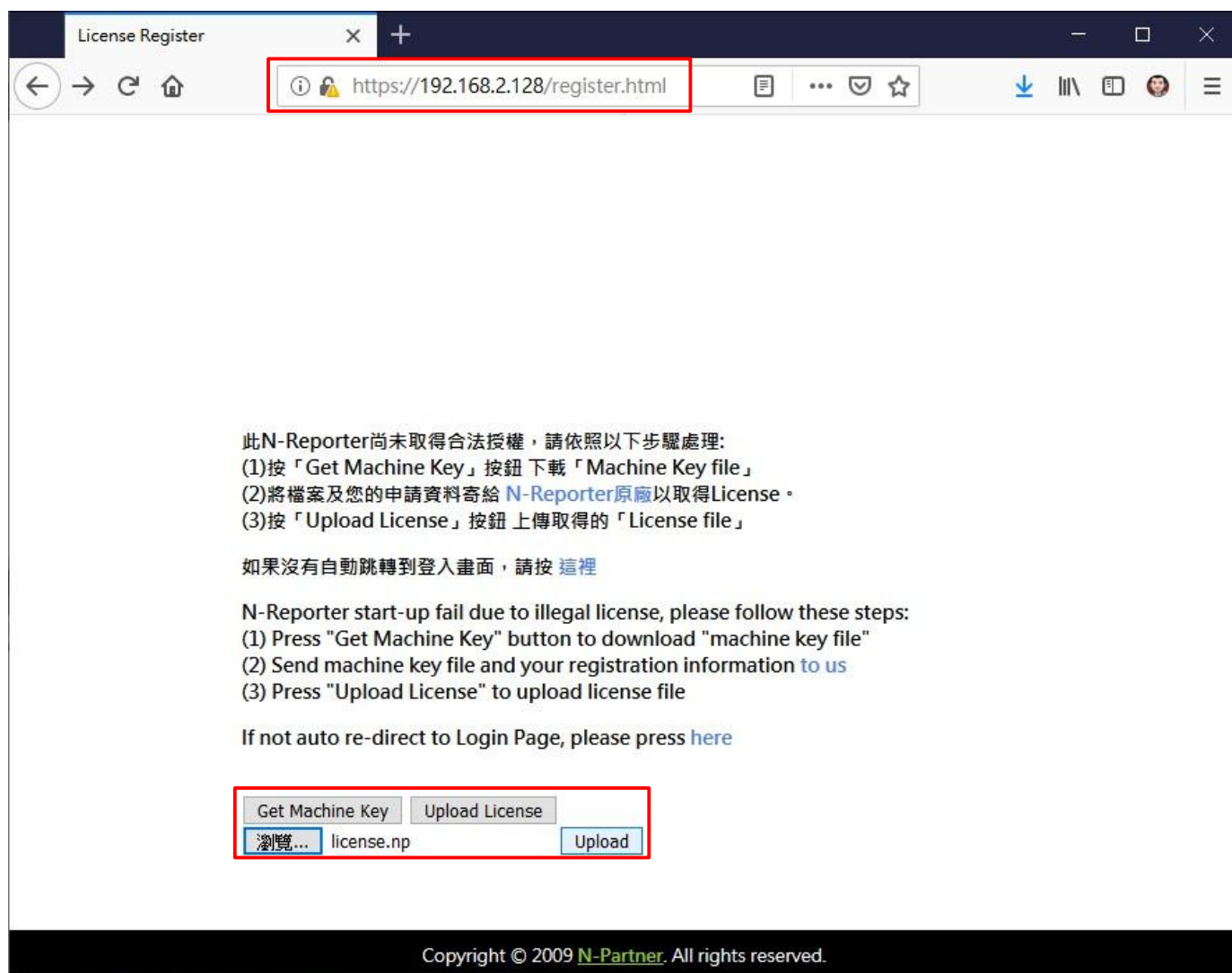
連絡人電話：

服務的經銷商或 SI 廠商：(可空白)

備註：

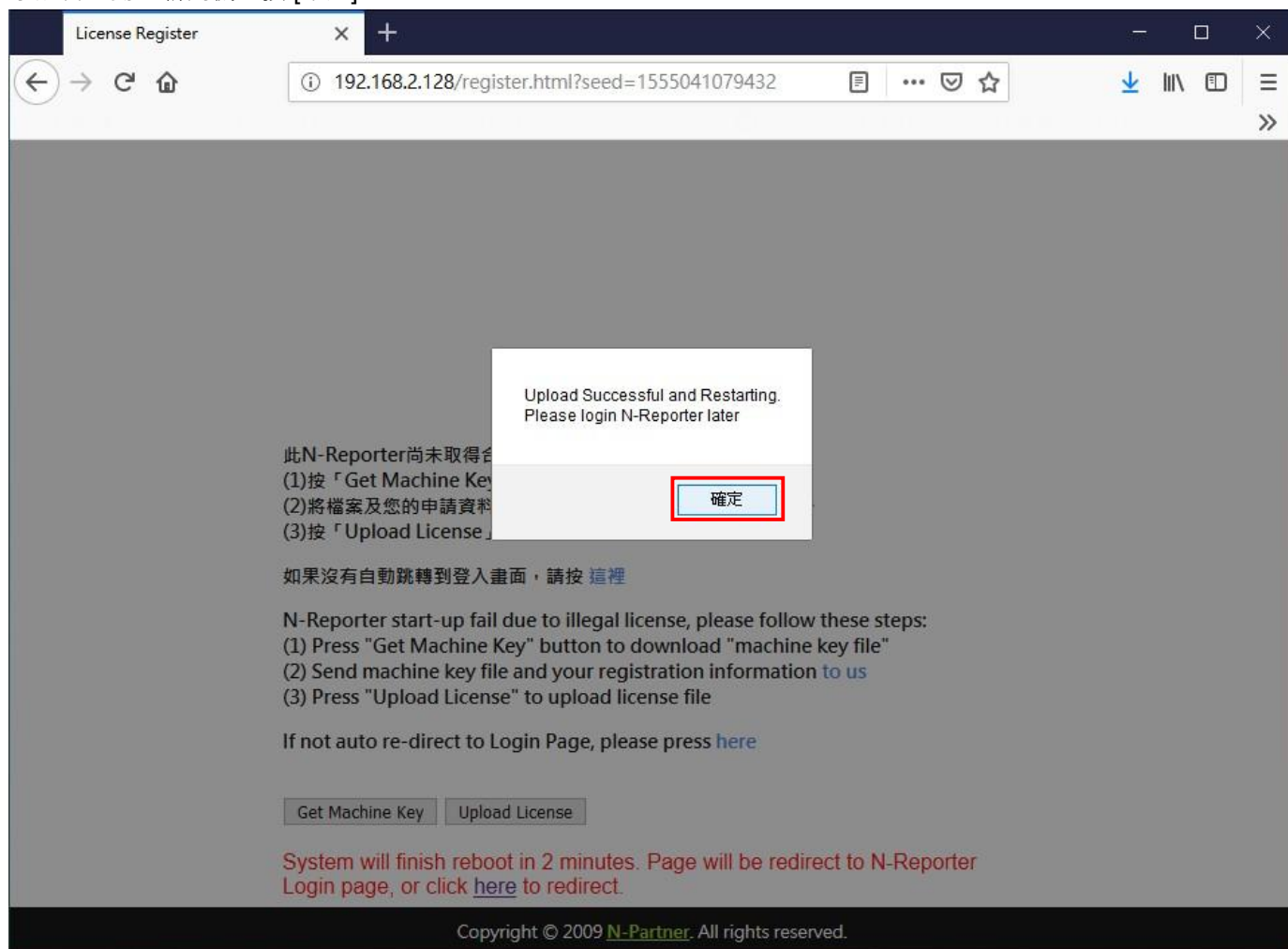
(4) 上傳 License 檔案

取得 license.np 檔案。開啟 [瀏覽器] -> URL 輸入 <https://<N-Probe/External Receiver IP>/register.html> -> 連上 N-Probe/External Receiver License 頁面，按 [Upload License] -> [瀏覽] 選取 [license.np] 檔案 -> 按 [Upload]



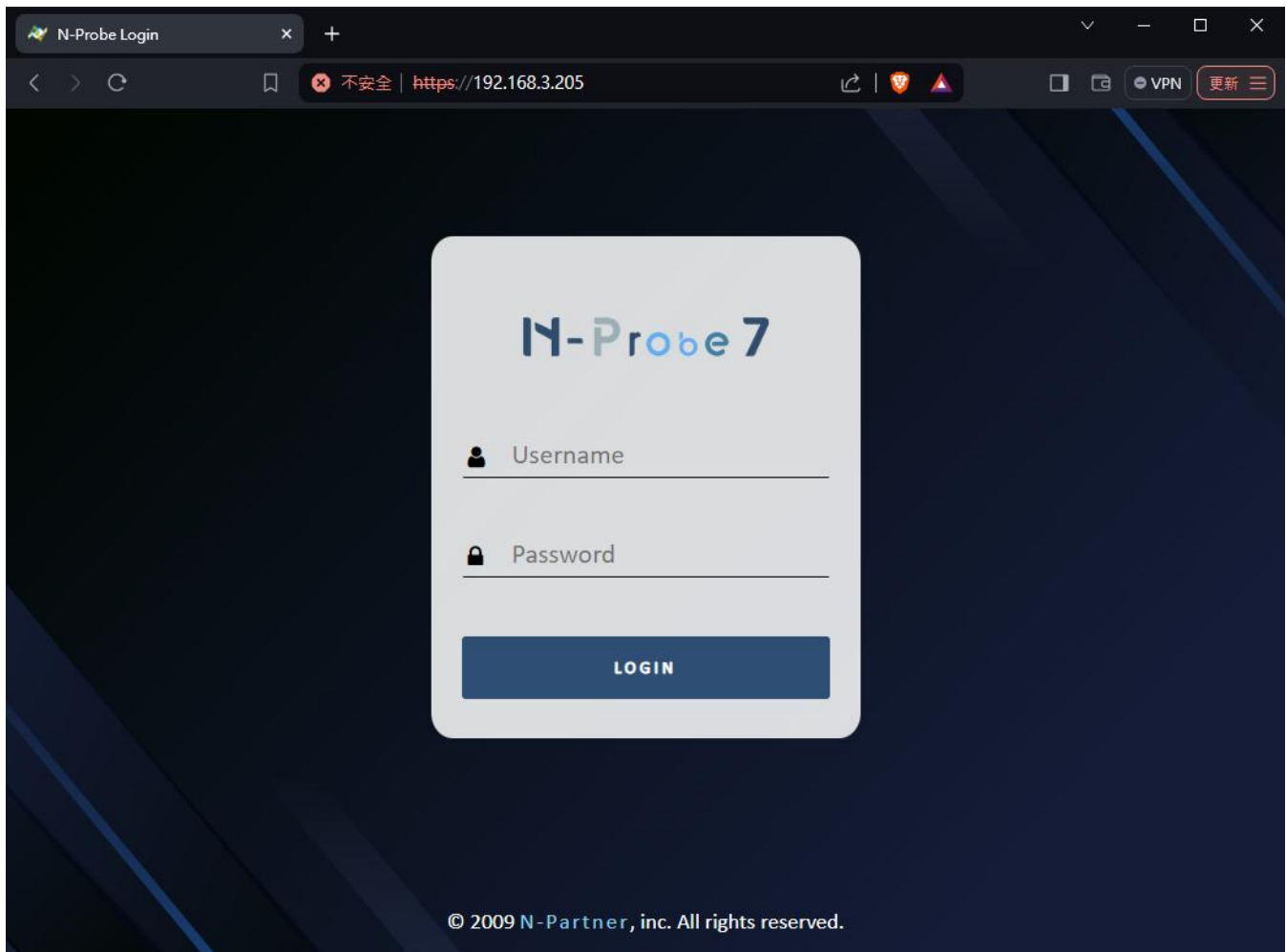
(5) 重新開機

系統會自動重新開機。按 [確定]



(6) 登入 N-Probe

重新開機後，開啟 [瀏覽器] -> URL 輸入 <https://<N-Probe/External Receiver IP>> 登入頁面和帳號密碼: npartner / npartner -> 按下 [Login]



(7) 確認 License 狀態

N-Probe 7 系統管理 | 系統管理 - N-Probe

Home / 系統管理 / 系統管理

輸入 License 上傳軟體更新檔 Release Note Port 狀態測試

系統資訊

產品型號	N-Probe
序號	NP-RPT-V-TW-ODMSWMES
版本	7.0.005
連版時間	2024/03/21 10:44
系統時間	2024/03/21 11:56:13 GMT+0800
已啟動時間	0014 Days 21:33
License 有效期限	2025/01/18 23:59:59
License 狀態	Demo

Probe Module	ON	Port 80	ON
External Receiver Module	ON	Port 443	ON
DNS Module	ON	Port 5521	ON
PM Module	ON	Port 18514	ON

CPU

17.61%

CPU Utilization (%)

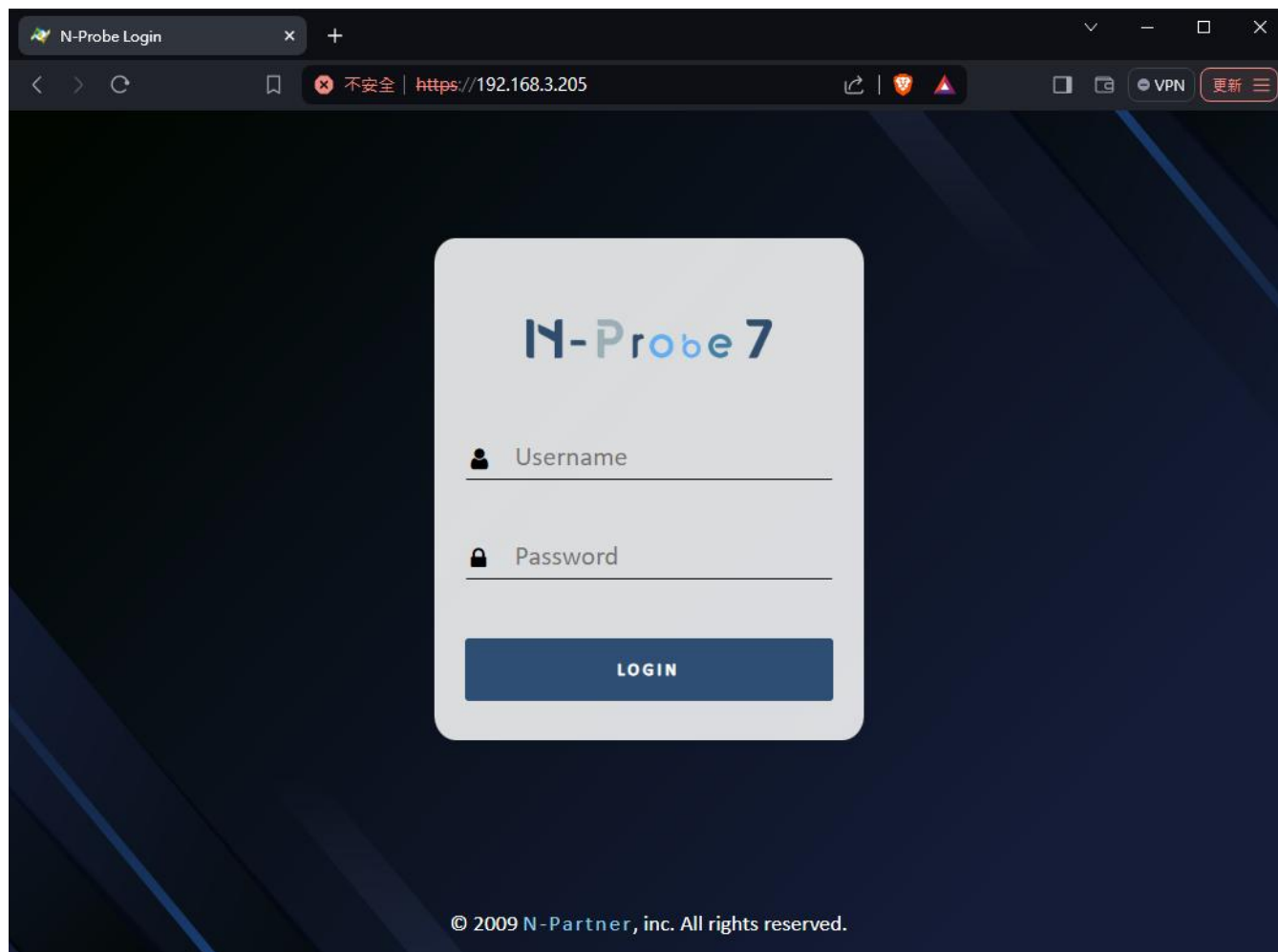
2024/03/21 (time unit: 10secs)

100

4.2 Firmware upgrade

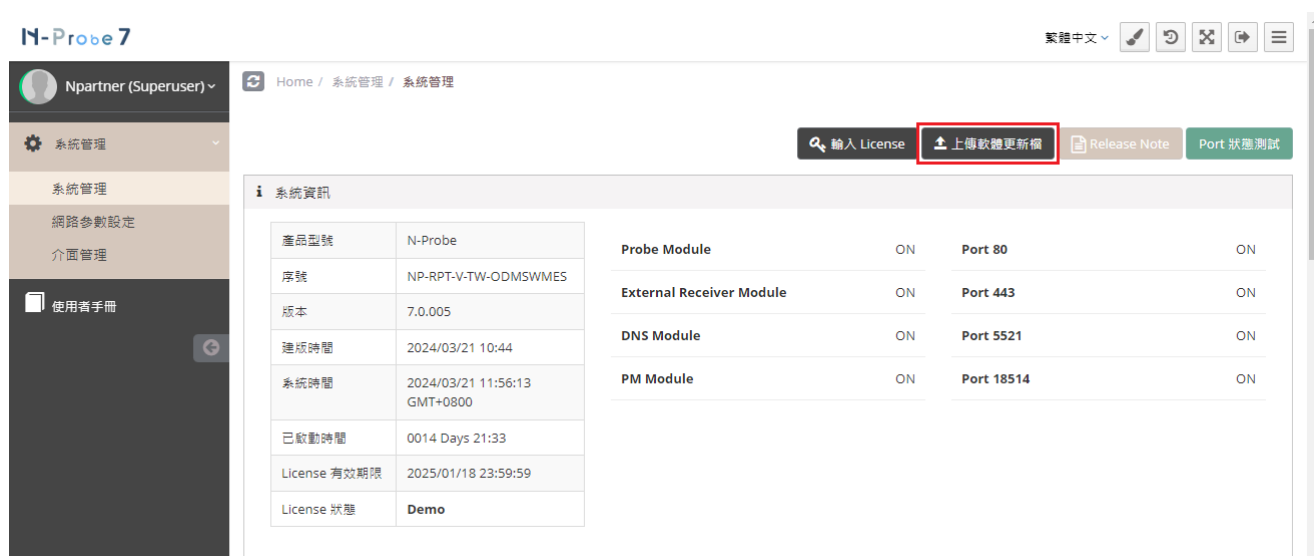
(1) 登入 N-Probe/External Receiver

開啟 [瀏覽器] -> URL 輸入 <https://<N-Probe/External Receiver IP>> 登入頁面和帳號密碼: [npartner](#) / [npartner](#) -> 按下 [Login]



(2) 上傳軟體更新檔

按 [上傳軟體更新檔]



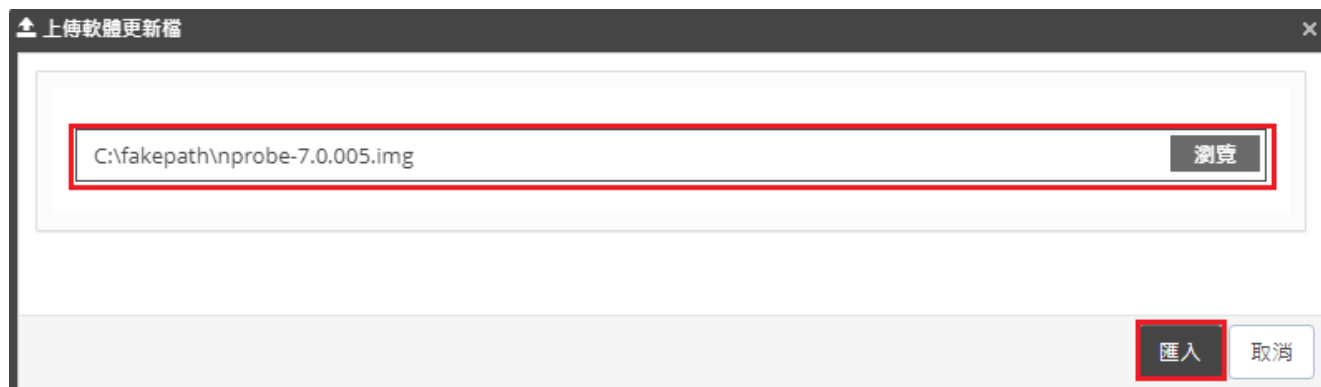
The screenshot shows the N-Partner N-Probe 7 web interface. The left sidebar contains navigation links: 系統管理 (System Management), 系統管理 (System Management), 網路參數設定 (Network Parameter Setting), 介面管理 (Interface Management), and 使用者手冊 (User Manual). The main content area displays '系統資訊' (System Information) with a table of system details and a table of module status.

產品型號	N-Probe
序號	NP-RPT-V-TW-ODMSWMES
版本	7.0.005
連線時間	2024/03/21 10:44
系統時間	2024/03/21 11:56:13 GMT+0800
已啟動時間	0014 Days 21:33
License 有效期限	2025/01/18 23:59:59
License 狀態	Demo

Module	Status	Port	Status
Probe Module	ON	Port 80	ON
External Receiver Module	ON	Port 443	ON
DNS Module	ON	Port 5521	ON
PM Module	ON	Port 18514	ON

(3) 匯入軟體更新檔

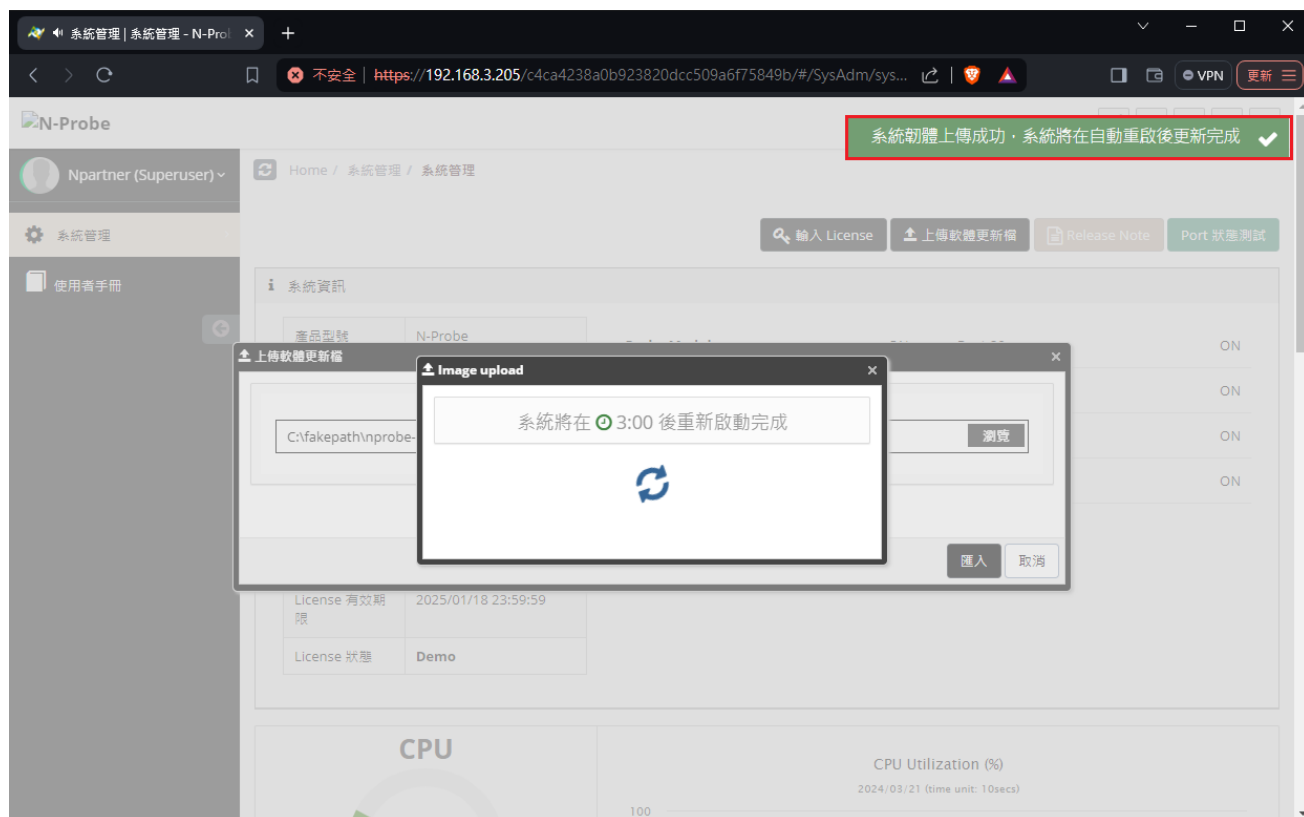
按 [瀏覽] -> 選擇 [Firmware image] 檔案 -> 按 [匯入]



The screenshot shows the '上傳軟體更新檔' (Upload Software Update) dialog box. The text field contains the file path 'C:\fakepath\nprobe-7.0.005.img'. The '瀏覽' (Browse) button is highlighted with a red box. The '匯入' (Import) button is also highlighted with a red box.

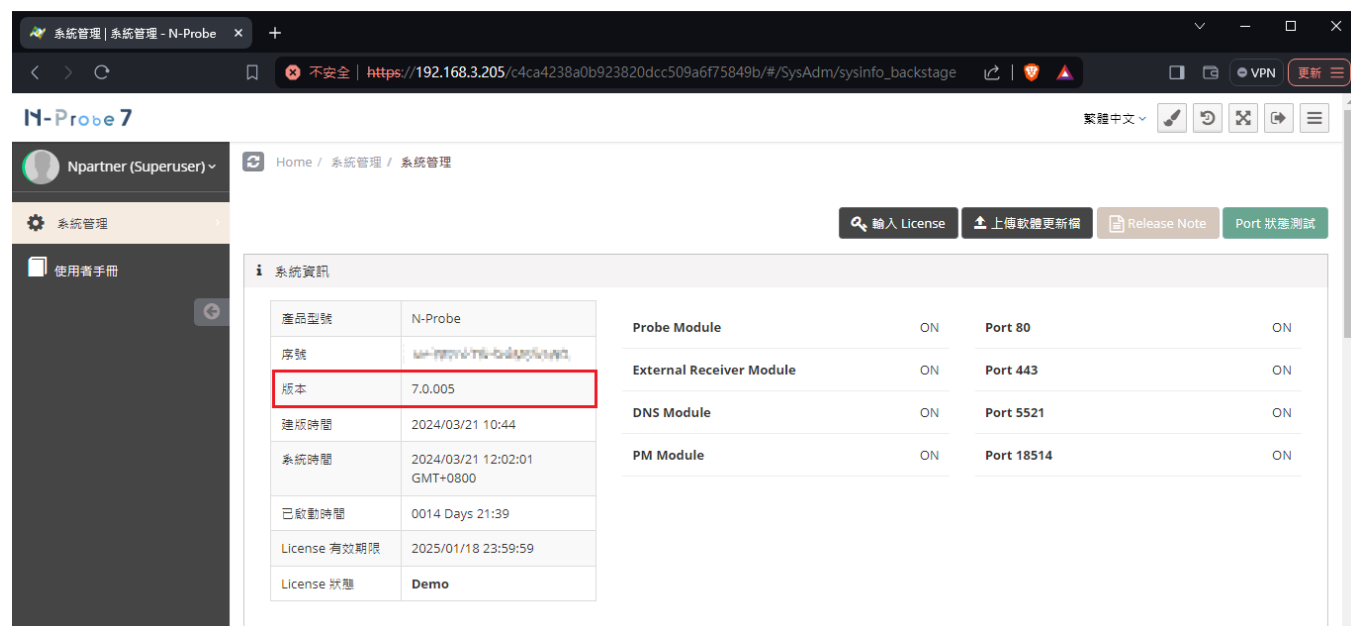
(4) 系統重啟

確認系統韌體上傳成功訊息，等待三分鐘系統自動刷新網頁



(5) 確認版本

重新開機後，開啟 [瀏覽器] -> URL 輸入 <https://<N-Probe/External Receiver IP>> 登入頁面和帳號密碼: npartner / npartner，確認韌體版本。



5. N-Probe 設定

5.1 N-Probe

透過終端機模擬軟體 (例如：Putty、SecureCRT、XShell 等) 以 SSH 連線到N-Probe 命令列介面(CLI)

(預設的 CLI 登入帳號密碼：npartner / npartner)

(1) 查看設定檔

N-Probe# **show configure**

```
N-Probe6.0# show configure
##### Current configuration #####
flow-sampling 1
hostname N-Probe6.0
interface eth0 192.168.2.128 255.255.254.0 gw 192.168.2.253
ip dns1 192.168.5.202
ntpdate 192.168.5.202
##### End #####
```

(2) 進入設定模式

N-Probe# **configure terminal**

(3) 設定 Flow 流量輸出到 N-Reporter 接收 IP 與 Port

N-Probe(config)# **flow-export 192.168.2.77 9001**

註：紅色文字部位請輸入 N-Cloud/N-Reporter IP address

(4) 設定 Flow 取樣率擷取封包

N-Probe(config)# **flow-sampling 1**

(5) 啟用監聽 IPv6 傳輸流量封包

N-Probe(config)# **flow-ipv6 on**

(6) 離開 configure terminal

N-Probe(config)# **exit**

```
N-Probe# configure terminal
N-Probe(config)# flow-export 192.168.2.77 9001
N-Probe(config)# flow-sampling 1
N-Probe(config)# flow-ipv6 on
N-Probe(config)# exit
N-Probe#
```

(7) 確認設定狀態

N-Probe# **show configure**

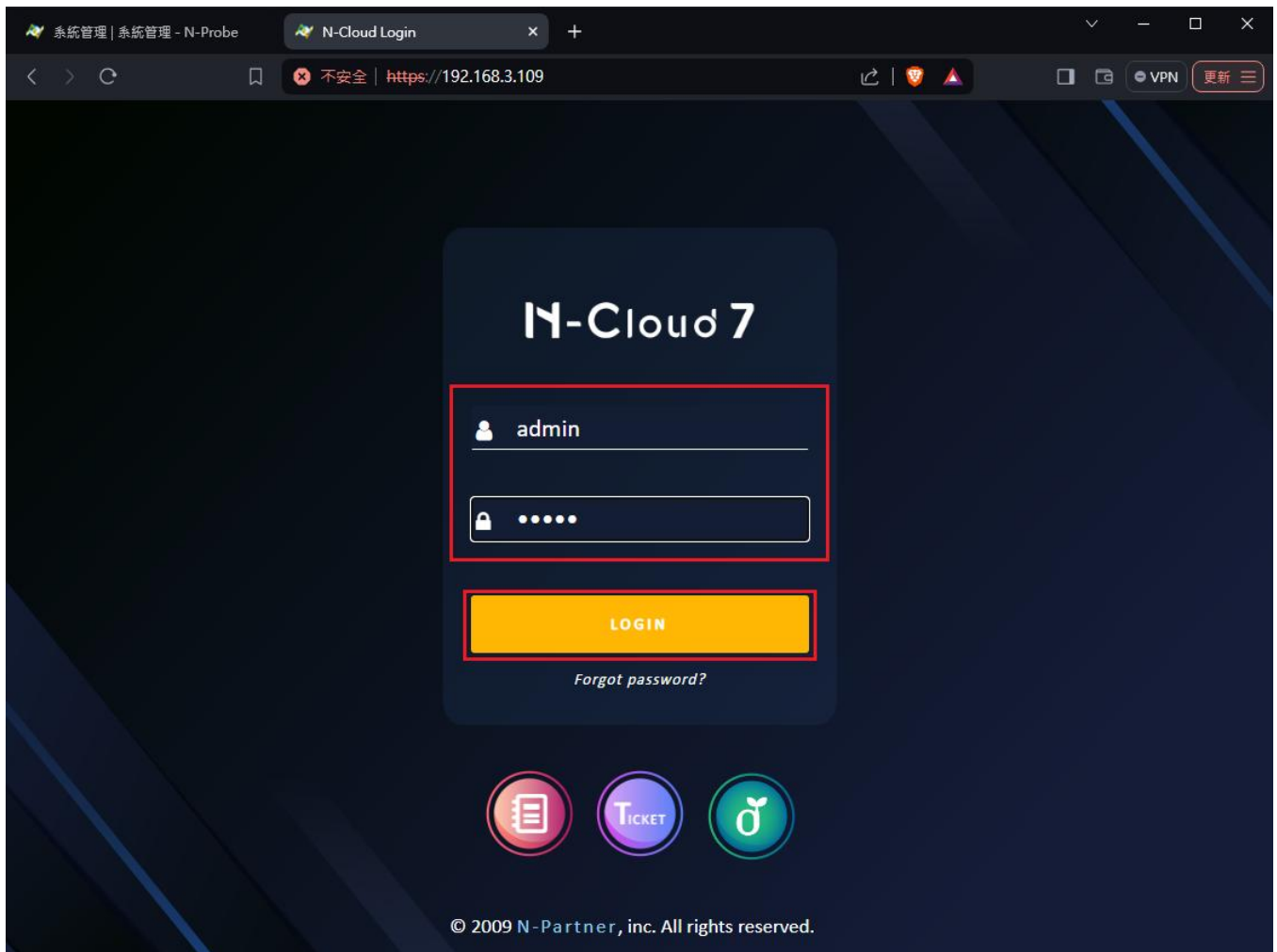
```
N-Probe# show configure
##### Current configuration #####
flow-cache timeout active 30
flow-export 192.168.2.77 9001
flow-ipv6 on
flow-sampling 1
hostname N-Probe
interface eth0 192.168.10.89 255.255.255.0 gw 192.168.10.5
ip dns1 8.8.8.8
ntp server on tock.stdtime.gov.tw
##### End #####
N-Probe#
```

5.2 N-Cloud/N-Reporter

(1) 登入 VMware ESXi

開啟 [瀏覽器] -> URL 輸入 <https://<N-Cloud/N-Reporter IP>> -> 輸入前台帳號和密碼 -> 按 [登入]

(預設的Web 前台登入帳號密碼：admin / admin，預設的 Web 後台登入帳號密碼: superuser / admin)



(2) 新增 N-Probe 設備

點選 [設備管理] -> [設備樹狀圖] -> [未知設備] 項目搜尋 N-Probe IP address 設備 -> 點選 [編輯]

系統管理 | 系統管理 - N-Probe

設備管理 | 設備資產樹狀圖 - N-Probe

Home / 設備管理 / 設備資產樹狀圖

設備資產樹狀圖

192.168.3.205 重新輸入 啟動查詢 +

Global (1020/1143) 未知設備 (0/6)

操作	所屬領域	IP	設備名稱	設備種類	資料格式	Raw Data 保留	Model	監控狀態	介面狀態	磁碟
	Global	192.168.3.205	192.168.3.205	Flow		否				
	Global	192.168.3.205	192.168.3.205	Syslog		否				

(3) 選擇N-Cloud / N-Reporter / N-Probe -> 點選[引導模式]

新增設備

設備種類

Switch / Router
交換器 (Switch) 是一種負責網路橋接的網路硬體設備，...

Application / DB / OS / Server
應用程式 / 資料庫 / 作業系統 / 伺服器 等主機類別，提供 ...

Firewall / IPS / Load Balancer / NAC / UTM / WAF / Wireless
網路安全相關設備，包含：防火牆、入侵防禦系統、網 ...

N-Cloud / N-Reporter / N-Probe
NCloud 與 NReporter 可轉發系統所收到的 Syslog。N ...

Auto / More / User Defined Format
客制化以及其他設備

專家模式 引導模式 取消

(4) 輸入設備名稱並確認Syslog 資料格式、SNMP Model為 N-Partner

新增設備 - 設備基本設定

設備基本設定

設備名稱 *

N-Probe7

IP *

192.168.3.205

所屬領域 *

Global

Syslog 資料格式 ⓘ

N-Partner

自定義資料格式 ⓘ +

請選擇...

SNMP Model ⓘ

N-Partner

Web 監控 ⓘ

☐ 啟用網頁監控功能

上一步 下一步 取消

(5) 設定 N-Probe Flow相關設定

勾選 [啟用Flow功能] -> 按下 [下一步]

新增設備 - Flow 相關設定

Flow 相關設定

Flow 功能

☒ 啟用 Flow 功能

Flow 正規化資料保留天數上限 ⓘ

上一步 下一步 取消

(6) 確認設定並點選確定

新增設備 - Confirmation

設備基本設定 Detail More

General	
名稱	N-Probe7
IP	192.168.3.205
所屬領域	Global
設備種類	N-Cloud/ N-Reporter/ N-Probe
資料格式	N-Partner
Model	N-Partner
Web 監控	未啟用

Alert Templates & Notification	
ICMP 告警樣版	未設定
設備告警樣版	未設定
程序告警樣版	未設定
自訂 OID 樣版	未設定
通報設定	

上一步 確定 取消

(7) 是否啟用預設報表 -> 是

是否啟用預設報表 · 將套用至相同廠牌型號設備？

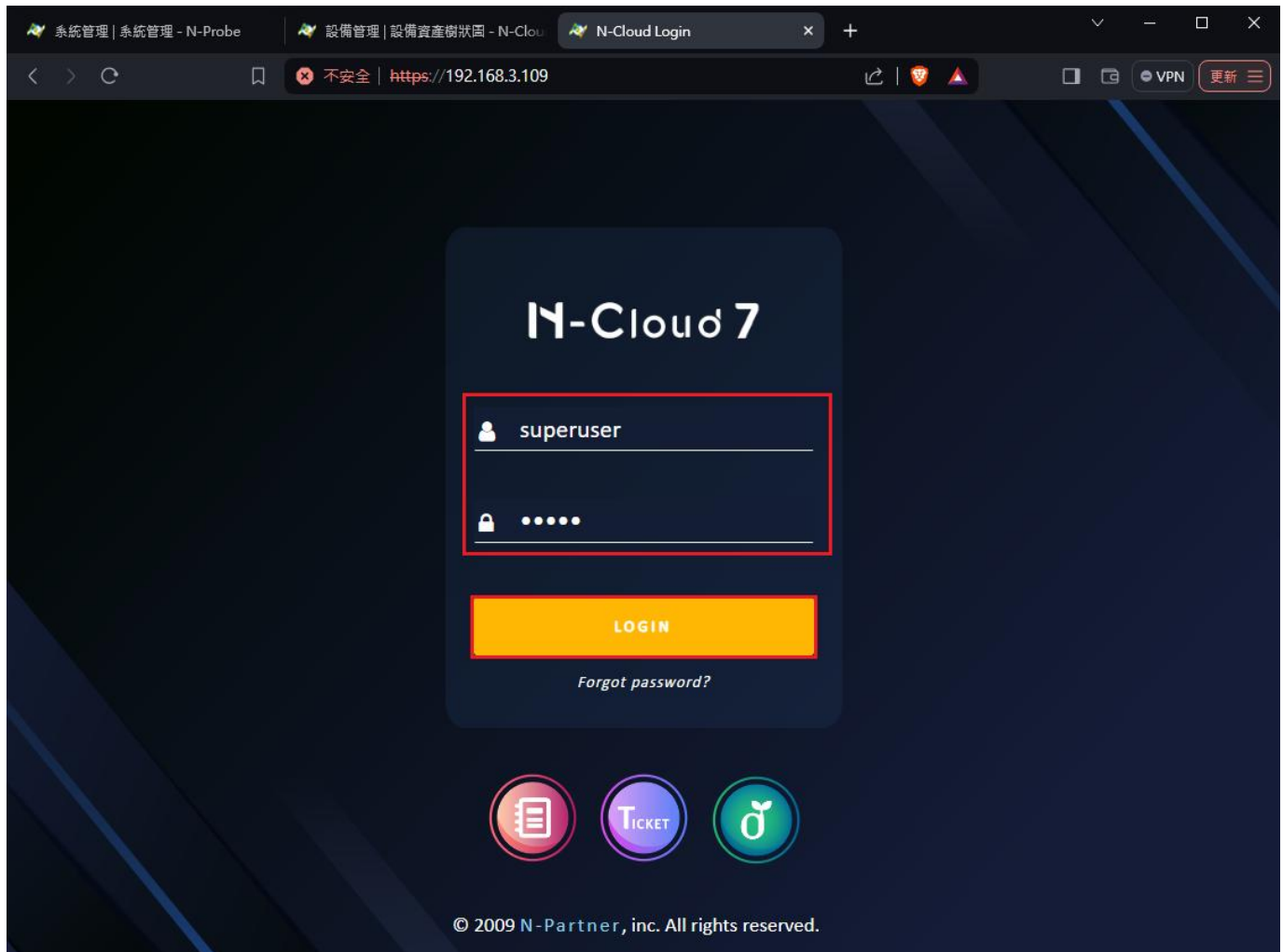
是 否

5.3 N-Probe join N-Cloud/N-Reporter

5.3.1 N-Cloud

(1) 開啟 [瀏覽器] -> URL 輸入 <https://<N-Cloud/N-Reporter IP>> -> 輸入後台帳號密碼 -> 按 [Login]

(預設的Web 前台登入帳號密碼：admin / admin，預設的 Web 後台登入帳號密碼: superuser / admin)



(2) [領域管理] 查看領域 ID 和領域名稱

系統管理 | 領域管理 - N-Reporter | 系統管理 | 系統管理 - N-Probe | 設備管理 | 設備資產樹狀圖 - N-Reporter

Home / 系統管理 / 領域管理

領域管理

搜尋 過濾條件 重新輸入 啟動查詢

操作	ID	名稱	分流網段	使用者列表	Primary Receiver	Backup Receiver	Syslog 設備分流
	0	Global		admin	Reporter		

25 第 1 共 1 頁 顯示 1 到 1, 共 1 記錄

Copyright © 2009 N-Partner. All rights reserved. 上次登錄時間 2024-03-21 14:22:03

5.3.2 N-Probe

透過終端機模擬軟體(例如：Putty、SecureCRT、XShell 等) 以 SSH 連線到 N-Probe 命令列介面(CLI)

(預設的 CLI 登入帳號密碼：npartner / npartner)

(1) 查看版本

```
N-Probe# show version
```

```
N-Probe# show version
Software version : 7.0.005 (20240301-1657)
NP Kernel version : 20231201164625
Serial number :
N-Probe#
```

(2) 進入 config 模式

```
N-Probe# configure terminal
```

```
N-Probe# configure terminal
N-Probe(config)#
```

(3) N-Probe 註冊 N-Cloud/N-Reporter IP

```
N-Probe(config)# ncloud ipv4 192.168.10.88
```

```
N-Probe(config)# ncloud ipv4 192.168.10.88
Success. N-Cloud ip is set to 192.168.10.88
N-Probe(config)#
```

註：紅色文字部位請輸入 N-Cloud/N-Reporter IP address

(4) 系統註冊，本例使用領域名稱註冊 Global 領域

```
N-Probe(config)# system register
```

```
N-Probe(config)# system register domain-name Global
```

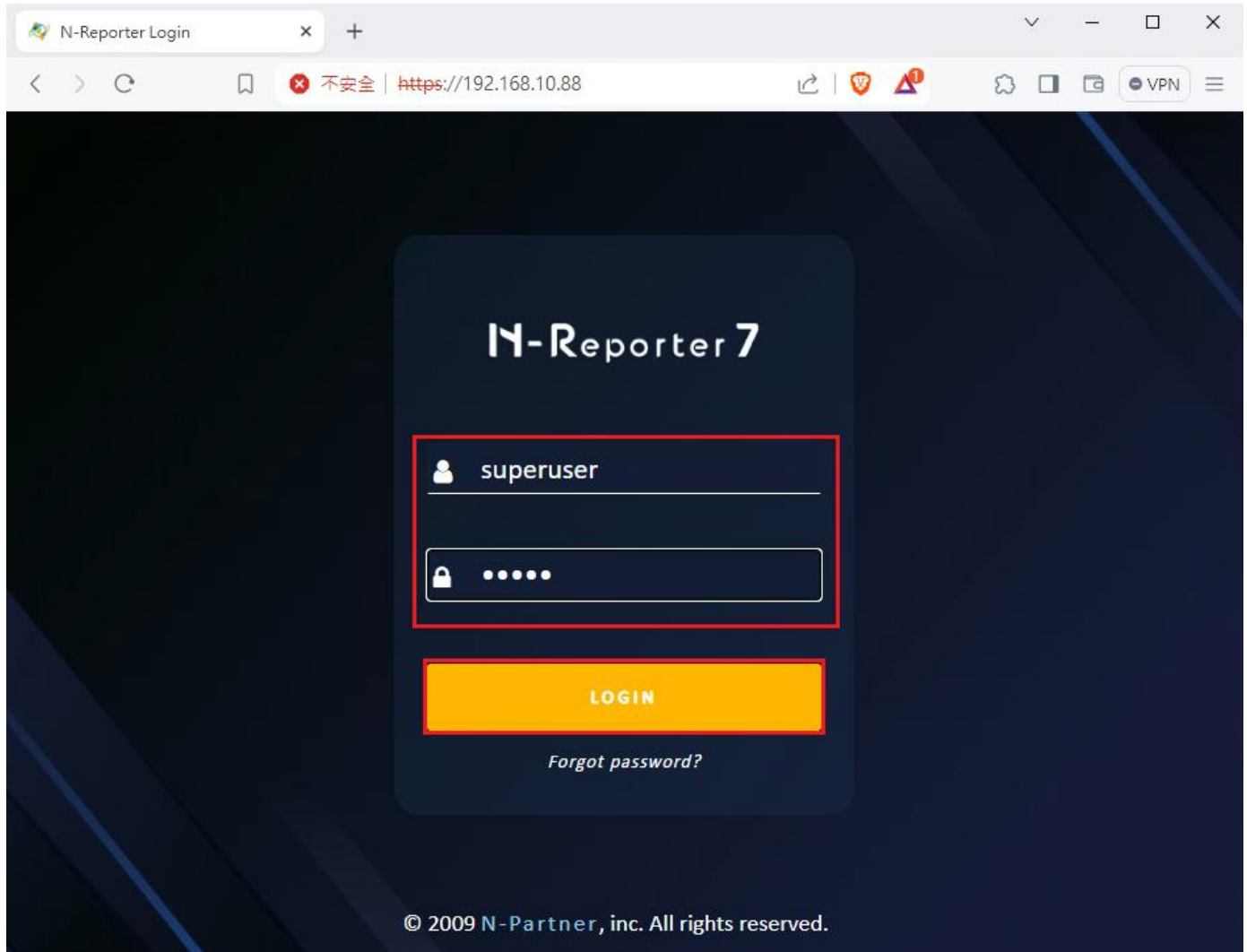
```
N-Probe(config)# system register
domain-id    Register device with the specific domain id
domain-name  Register device with the specific domain name
global       Register device with the "Global" domain
update       Update device info with the existed machine id
reset        Reset old gossip config if this probe will move to another N-Cloud
N-Probe(config)# system register domain-name Global
Register to N-Cloud/N-Reporter 192.168.10.88 is successful
N-Probe(config)#
```

註：紅色文字部位請輸入領域 ID 或領域名稱，領域名稱分大小寫。

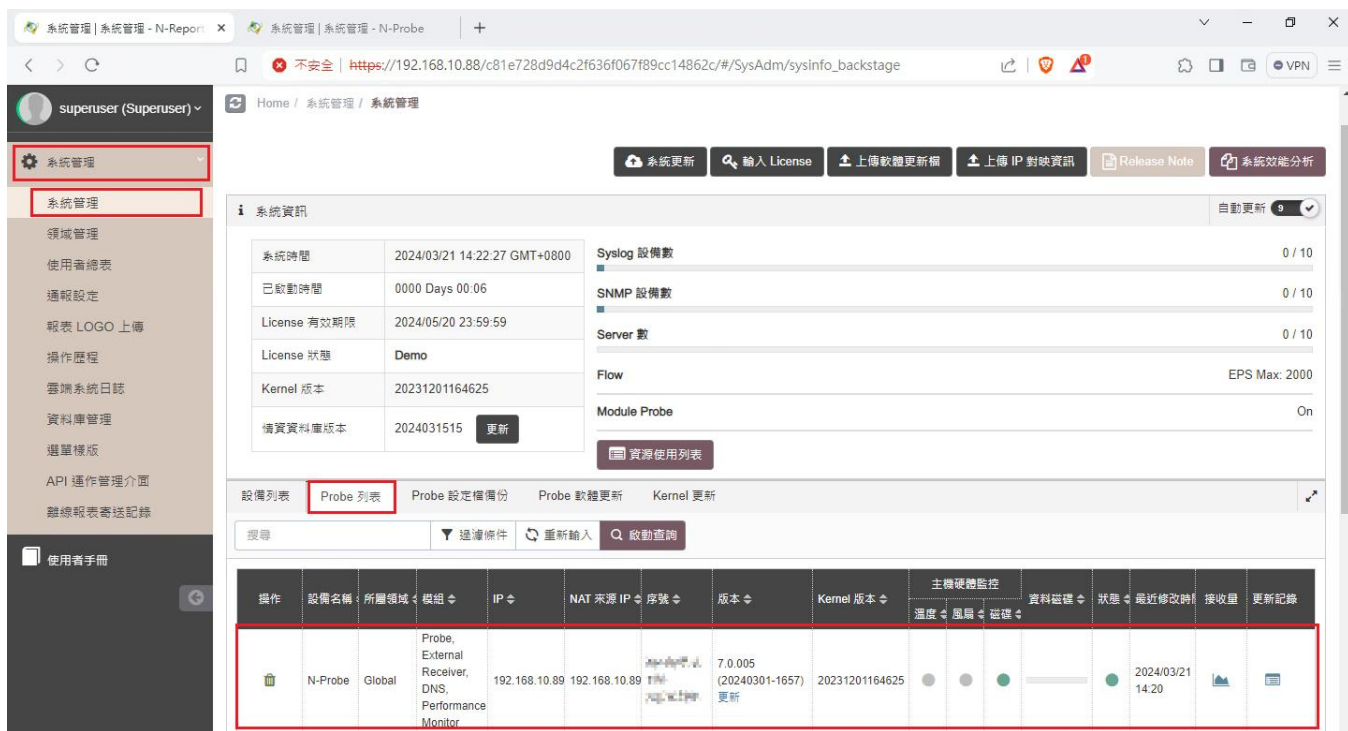
5.3.3 N-Cloud/N-Reporter

(1) 開啟 [瀏覽器] -> URL 輸入 <https://<N-Cloud/N-Reporter IP>> -> 輸入後台帳號密碼 -> 按 [Login]

(預設的Web 前台登入帳號密碼：admin / admin，預設的 Web 後台登入帳號密碼: superuser / admin)



(2) 查看 N-Probe 設備列表 -> [系統管理] -> [Probe 列表] 頁面



The screenshot displays the N-Partner system management interface. The left sidebar contains navigation options such as '系統管理' (System Management), '領域管理' (Domain Management), '使用審總表' (Usage Summary Table), '通報設定' (Notification Settings), '報表 LOGO 上傳' (Report Logo Upload), '操作歷程' (Operation History), '雲端系統日誌' (Cloud System Logs), '資料庫管理' (Database Management), '選舉樣版' (Election Template), 'API 運作管理介面' (API Operation Management Interface), and '離線報表寄送記錄' (Offline Report Delivery Record). The top navigation bar shows the current path: 'Home / 系統管理 / 系統管理'. The main content area is titled '系統資訊' (System Information) and includes a table of system details and a 'Probe List' section.

系統資訊

系統時間	2024/03/21 14:22:27 GMT+0800	Syslog 設備數	0 / 10
已啟動時間	0000 Days 00:06	SNMP 設備數	0 / 10
License 有效期限	2024/05/20 23:59:59	Server 數	0 / 10
License 狀態	Demo	Flow	EPS Max: 2000
Kernel 版本	20231201164625	Module Probe	On
情資資料庫版本	2024031515 更新	資源使用列表	

Probe 列表

操作	設備名稱	所屬領域	模組	IP	NAT 來源 IP	序號	版本	Kernel 版本	主機硬體監控	資料磁碟	狀態	最近修改時間	接收量	更新記錄
	N-Probe	Global	Probe, External Receiver, DNS, Performance Monitor	192.168.10.89	192.168.10.89	20240301-1657	7.0.005 (20240301-1657) 更新	20231201164625	溫度 風扇 磁碟	資料磁碟	●	2024/03/21 14:20		

6. External Receiver 設定

6.1 External Receiver

透過終端機模擬軟體(例如：Putty、SecureCRT、XShell 等) 以 SSH 連線到 External Receiver 命令列介面(CLI)

(預設的 CLI 登入帳號密碼：npartner / npartner)

註: External Receiver 預設使用9001 port接收flow，無法使用自定義port接收。

註: External Receiver 預設使用514 port接收syslog，無法使用自定義port接收。

(1) 查看設定檔

```
N-Probe# show configure
```

```
N-Probe# show configure
##### Current configuration #####
flow-cache timeout active 30
flow-sampling 1
hostname N-Probe
interface eth0 192.168.10.89 255.255.255.0 gw 192.168.10.5
ip dns1 8.8.8.8
ncloud ipv4 192.168.10.88
ntp server on tock.stdtime.gov.tw
##### End #####
N-Probe#
```

(2) 進入設定模式

```
N-Probe# configure terminal
```

(3) 設定 Syslog 和 Flow 流量輸出到 N-Reporter 接收 IP

```
N-Probe(config)# ncloud ipv4 192.168.10.88
```

註: 紅色文字部位請輸入 N-Cloud/N-Reporter IP address

(4) 離開 configure terminal

```
N-Probe(config)# exit
```

(5) 確認是否有設定成功

```
N-Probe# show configure
```

```
N-Probe# configure terminal
N-Probe(config)# ncloud ipv4 192.168.10.88
Success. N-Cloud ip is set to 192.168.10.88
N-Probe(config)# exit
N-Probe# show configure
##### Current configuration #####
collector 192.168.10.88
flow-cache timeout active 30
flow-sampling 1
hostname N-Probe
interface eth0 192.168.10.89 255.255.255.0 gw 192.168.10.5
ip dns1 8.8.8.8
ncloud ipv4 192.168.10.88
ntp server on tock.stdtime.gov.tw
##### End #####
N-Probe#
```

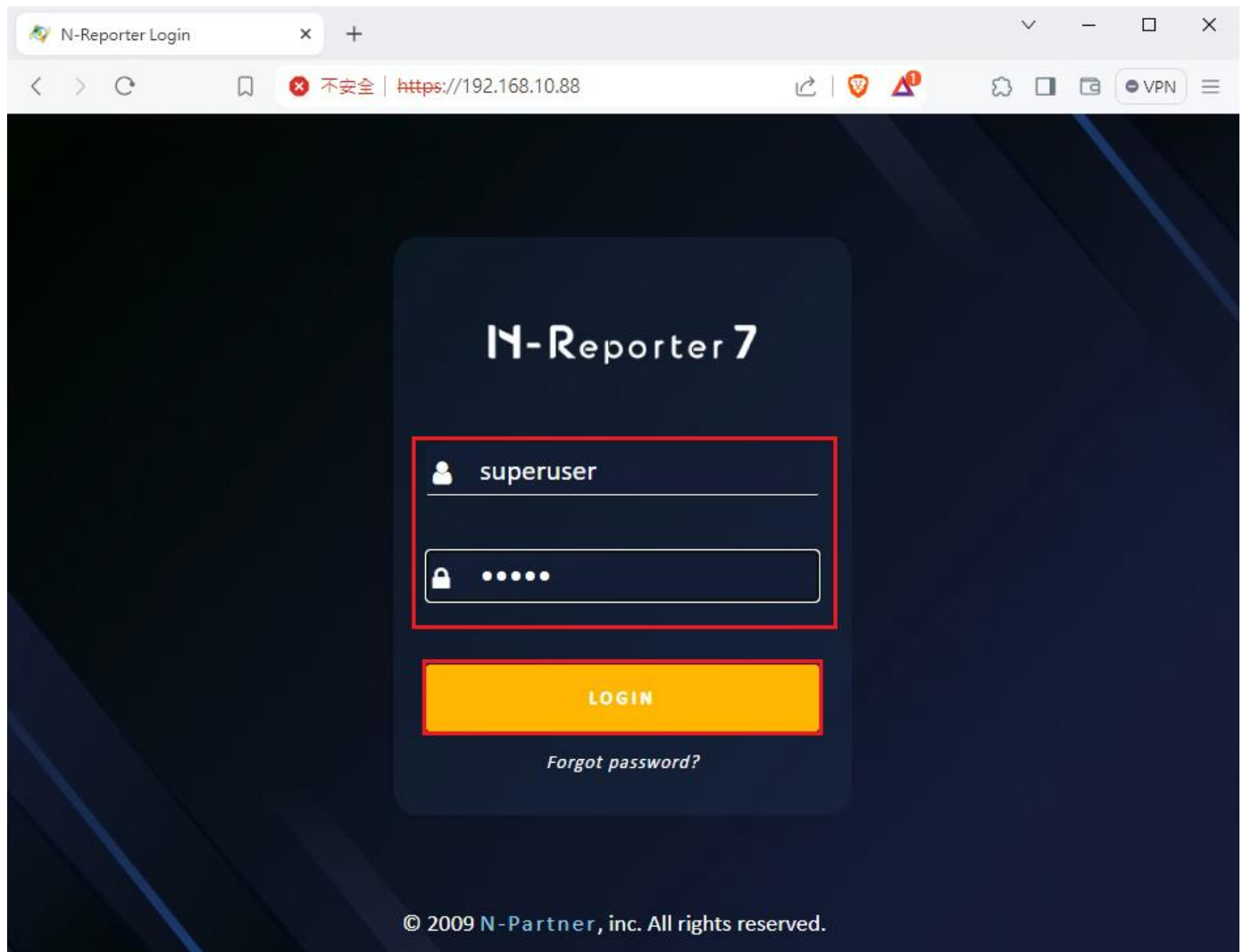
6.2 N-Cloud/N-Reporter

6.2.1 N-Cloud/N-Reporter Domain

(1) 登入 N-Cloud/N-Reporter 後台

開啟 [瀏覽器] -> URL 輸入 <https://<N-Cloud/N-Reporter IP>> -> 輸入後台帳號密碼 -> 按 [登入]

(預設的Web 前台登入帳號密碼：admin / admin，預設的 Web 後台登入帳號密碼: superuser / admin)



(2) 編輯領域

點選 [系統管理] -> [領域管理] -> 選擇 [領域] (範例領域名稱: N-Partner) -> 按下 [編輯]

The screenshot displays the N-Reporter 7 web application interface. The left sidebar contains a menu with '系統管理' (System Management) and '領域管理' (Domain Management) highlighted. The main content area shows the '領域管理' (Domain Management) page. At the top, there is a search bar and buttons for '過濾條件' (Filter Conditions), '重新輸入' (Re-input), '啟動查詢' (Start Query), and an upload icon. Below this is a table with the following columns: '操作' (Action), 'ID', '名稱' (Name), '分流網段' (Forwarding Segment), '使用者列表' (User List), 'Primary Receiver', 'Backup Receiver', and 'Syslog 設備分流' (Syslog Device Forwarding). The table contains one entry with ID 0, Name Global, User admin, and Primary Receiver Reporter. A red box highlights the 'Edit' icon in the 'Action' column. At the bottom of the page, there is a footer with 'Copyright © 2009 N-Partner. All rights reserved.' and '上次登錄時間 2024-03-21 14:22:03'.

操作	ID	名稱	分流網段	使用者列表	Primary Receiver	Backup Receiver	Syslog 設備分流
	0	Global		admin	Reporter		

(3) 輸入 External Receiver

點選 [其他資訊] 頁面 -> 在 External Receiver 欄位輸入 [External Receiver IP address](#) -> 按 [確定]

領域管理

基本資訊 其他資訊

External Receiver

192.168.10.89

公司名稱

啟動時間

2017/01/01

到期時間

2100/01/01

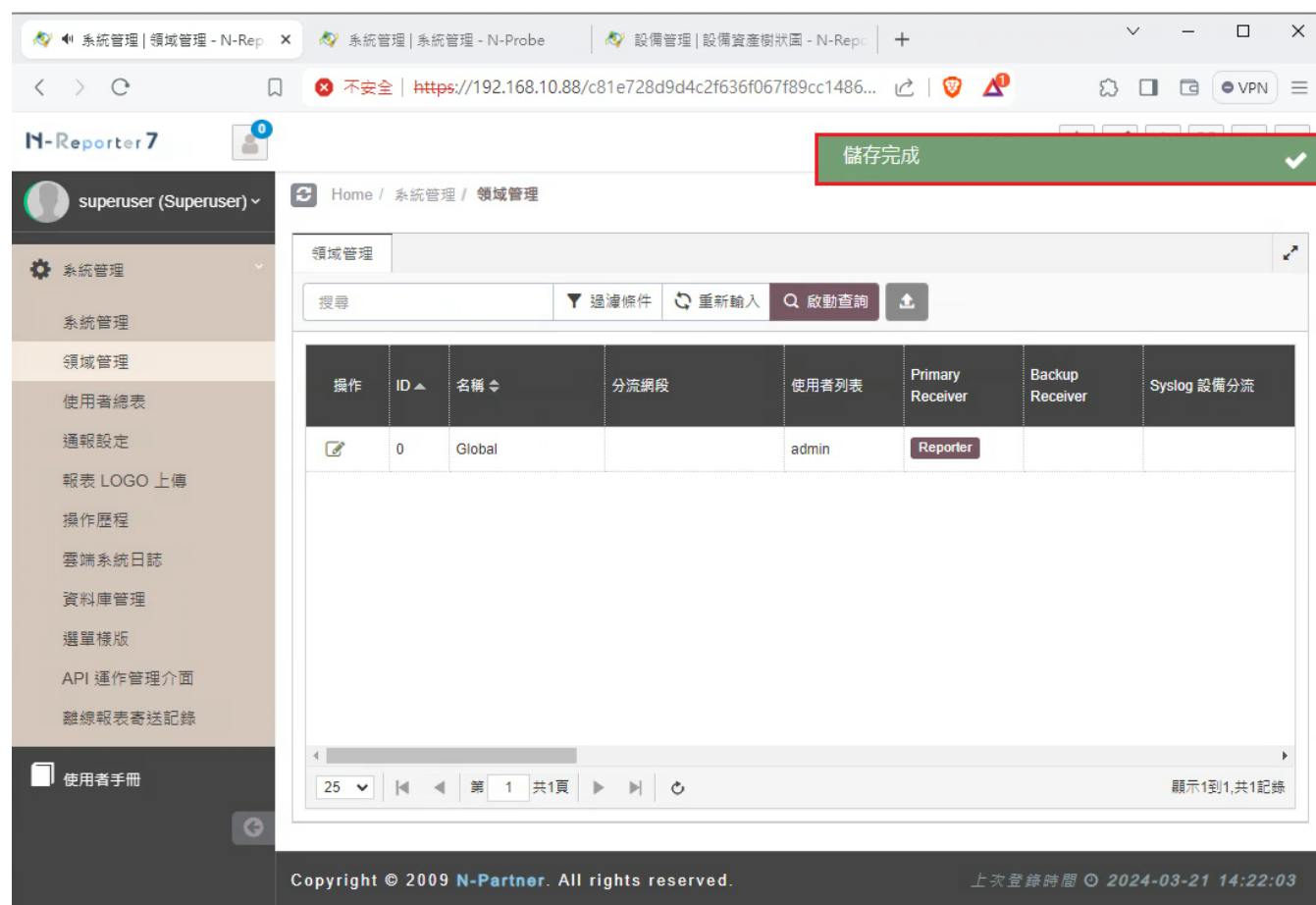
狀態

☒ 啟用 ☐ 到期 ☐ 暫停使用

備註

確定 取消

(4) 儲存完成



The screenshot shows the N-Reporter 7 web interface. The browser address bar indicates the URL is <https://192.168.10.88/c81e728d9d4c2f636f067f89cc1486...>. The interface includes a sidebar with navigation options like '系統管理' (System Management), '系統管理' (System Management), '領域管理' (Domain Management), '使用者總表' (User List), '通報設定' (Notification Settings), '報表 LOGO 上傳' (Report Logo Upload), '操作歷程' (Operation History), '雲端系統日誌' (Cloud System Logs), '資料庫管理' (Database Management), '選單樣版' (Menu Templates), 'API 運作管理介面' (API Operation Management Interface), and '離線報表寄送記錄' (Offline Report Delivery Records). The main content area is titled '領域管理' (Domain Management) and shows a table with the following data:

操作	ID	名稱	分流網段	使用者列表	Primary Receiver	Backup Receiver	Syslog 設備分流
	0	Global		admin	Reporter		

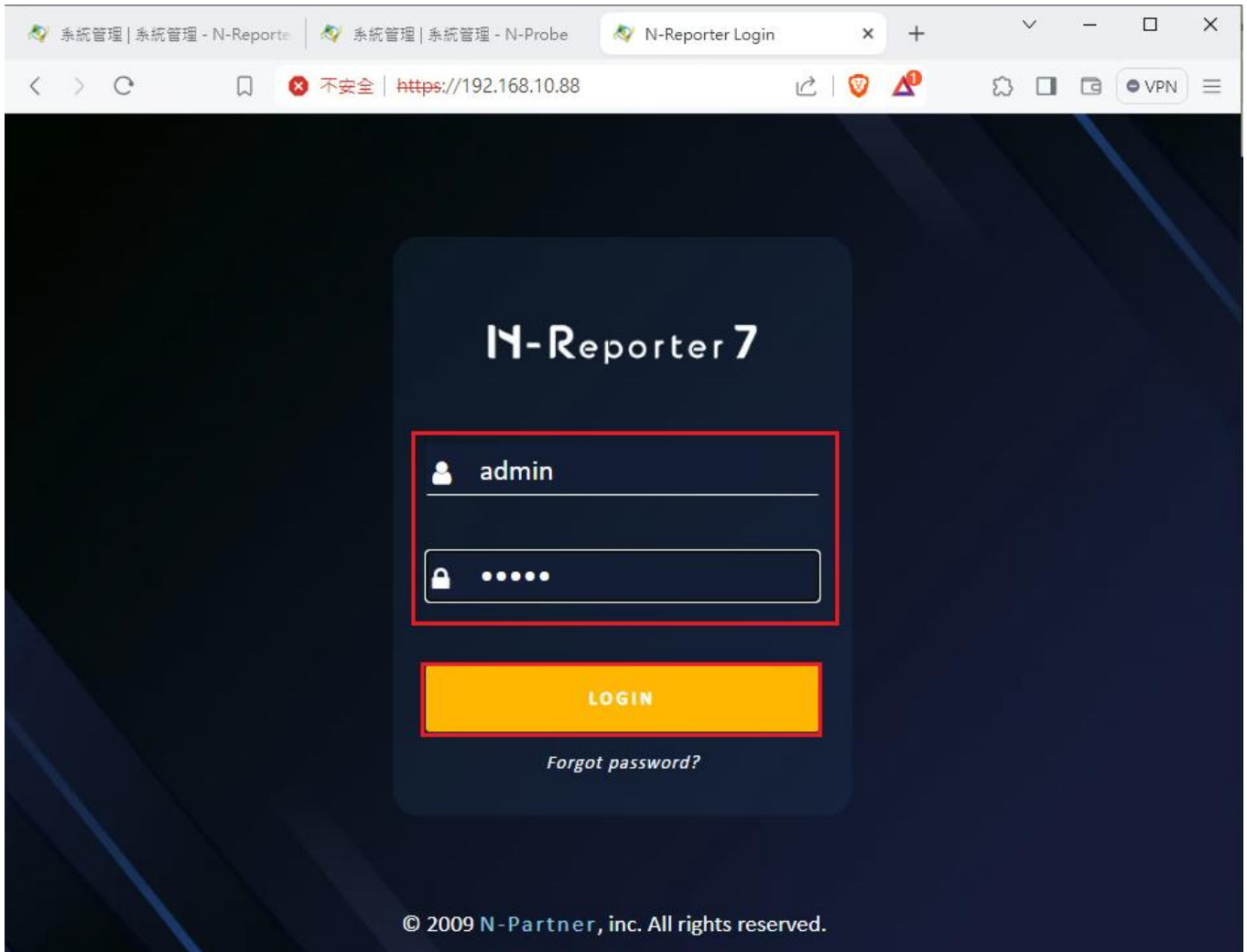
The footer of the page displays the copyright information: 'Copyright © 2009 N-Partner. All rights reserved.' and the last login time: '上次登錄時間 © 2024-03-21 14:22:03'.

6.2.2 N-Cloud/N-Reporter Device

(1) 登入 N-Cloud/N-Reporter 前台

開啟 [瀏覽器] -> URL 輸入 <https://<N-Cloud/N-Reporter IP>> -> 輸入前台帳號密碼 -> 按 [Login]

(預設的Web 前台登入帳號密碼：admin / admin，預設的 Web 後台登入帳號密碼: superuser / admin)



(2) 新增領域設備

選擇 [設備管理] -> [設備樹狀圖] -> [未知設備] 項目搜尋領域 (範例領域名稱: N-Partner) -> 點選 [編輯]

系統管理 | 領域管理 - N-Reporter | 系統管理 | 系統管理 - N-Probe | 設備管理 | 設備資產樹狀圖 - N-Reporter

Home / 設備管理 / 設備資產樹狀圖

設備資產樹狀圖 自動更新 112

搜尋 重新輸入 啟動查詢

操作	所屬領域	IP	設備名稱	設備種類
[Edit] [Delete]	Global	192.168.10.5	192.168.10.5	Syslog

25 第 1 共 1 頁 顯示 1 到 1, 共 1 記錄

(3) 設定領域設備的資料格式

依據設備資料格式設定並新增設備。

7. 問題排除

7.1 恢復預設密碼

(1) 重新啟動 N-Probe

```
N-Probe# reboot
```

```
N-Probe6.0# reboot
```

(2) 開機畫面顯示 GNU GRUB -> 選擇 [Booting from ISO-RESET-PWD] -> 按 [Enter]

```
GNU GRUB version 2.02~beta2-22+deb8u1

Reporter ISO
Reporter last known good
*Reporter ISO-Reset-PWD

Use the ↑ and ↓ keys to select which entry is highlighted.
Press enter to boot the selected OS, 'e' to edit the commands
before booting or 'c' for a command-line.
```

(3) 檢查沒有 password 設定

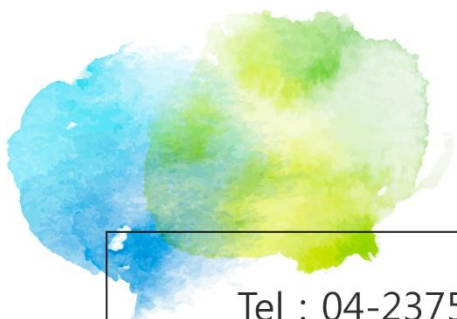
```
N-Probe# show configure
```

```
N-Probe# show configure
##### Current configuration #####
flow-cache timeout active 30
flow-sampling 1
hostname N-Probe
interface eth0 192.168.10.89 255.255.255.0 gw 192.168.10.5
ip dns1 8.8.8.8
ncloud ipv4 192.168.10.88
ntp server on tock.stdtime.gov.tw
##### End #####
N-Probe#
```

(4) 重新啟動 N-Probe

```
N-Probe# reboot
```

```
N-Probe# reboot
```



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