

## 如何在 Hyper-V 上部署 Service Gateway 與註冊到 Vision One

### 1. Service Gateway 的系統需求:

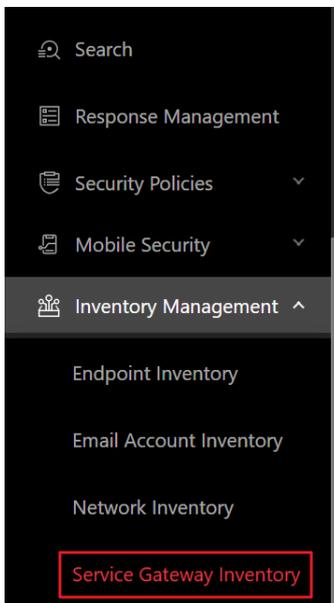
請依照 Service Gateway 啟用的服務功能來調整硬體效能

Service	Virtual CPUs (Minimum / Recommended)	Virtual Memory (Minimum / Recommended)	Virtual NICs
ActiveUpdate	2 / 4	4 GB / 8GB	1
Smart Protection Services	3 / 6	4 GB / 8 GB	1
Suspicious Object List synchronization	2 / 4	4 GB / 8 GB	1
Third-party intelligence synchronization	2 / 4	4 GB / 8 GB	1
Log forwarding	1 / 2	2 GB / 4 GB	1
All services	8 / 16	12 GB / 24 GB	1

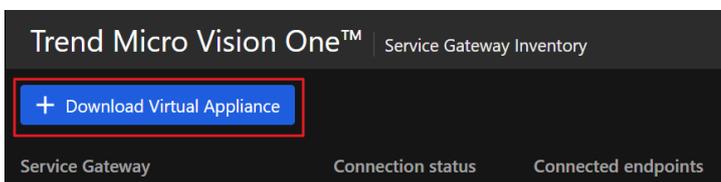
說明:

- 虛擬 CPU 需為 64 位元架構處理器, CPU 的處理速度至少需要 2.3 GHz, 支援 hyper-threading 與 Virtualization Technology (VT) 技術
- 硬碟空間至少需要 500GB
- 虛擬網卡與速度需要支援 1000 Mb/s

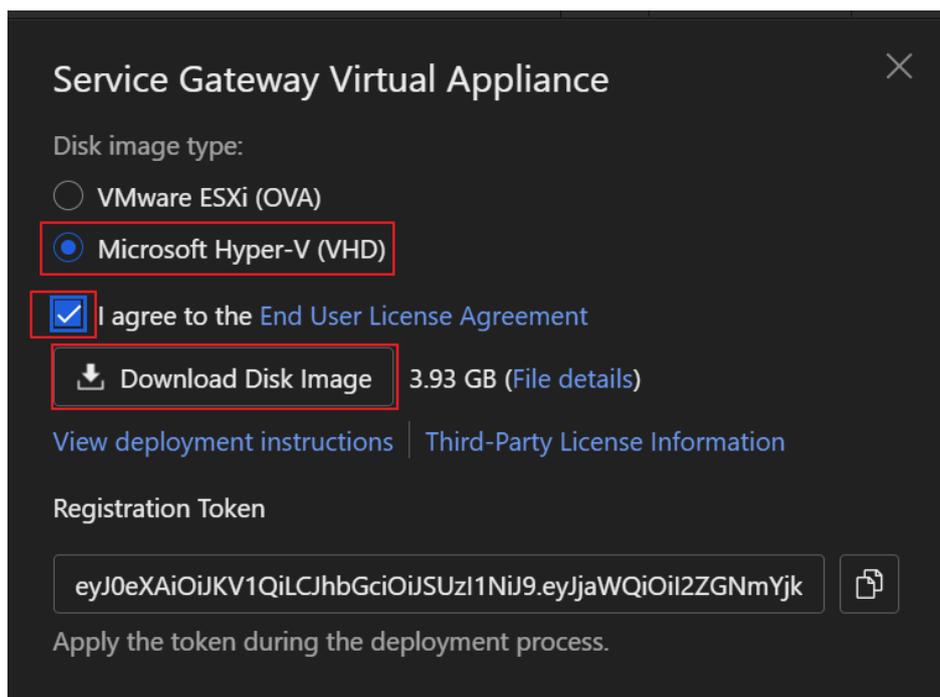
### 2. 登入 Vision One, 點選 Inventory Management > Service Gateway Inventory



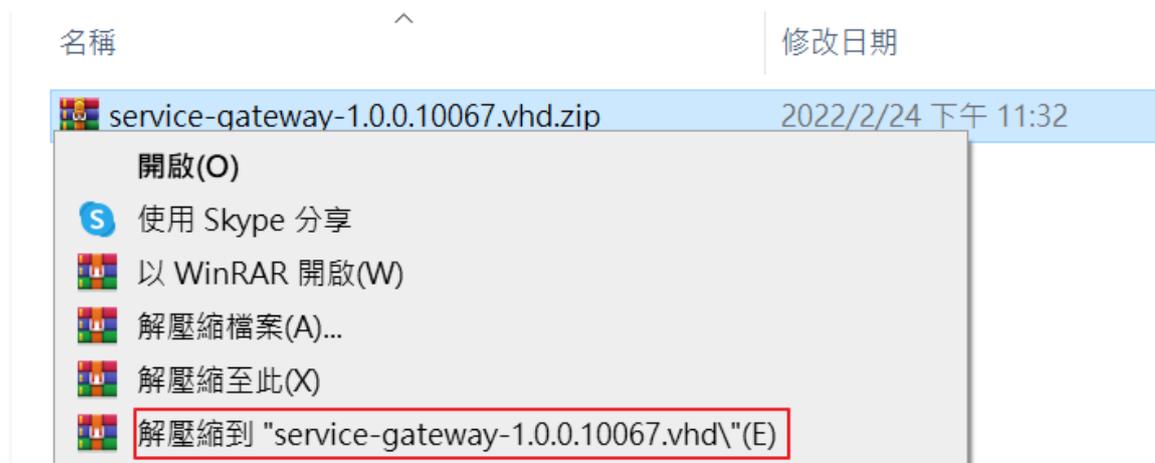
### 3. 點擊 Download Virtual Appliance



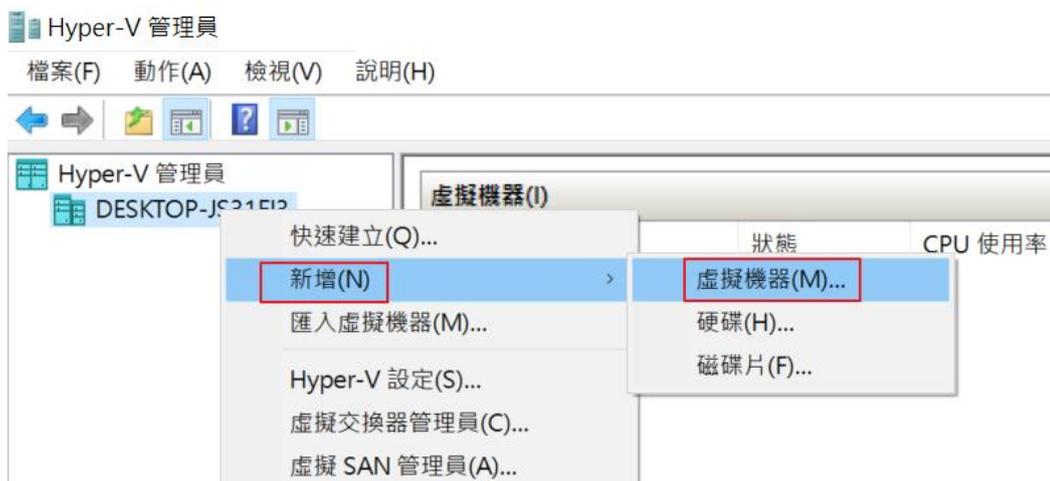
4. 點選 Microsoft Hyper-V(VHD), 並且勾選 I agree to the End User License Agreement, 再點擊 Download Disk Image 下載 Service Gateway 的 VHD 檔案



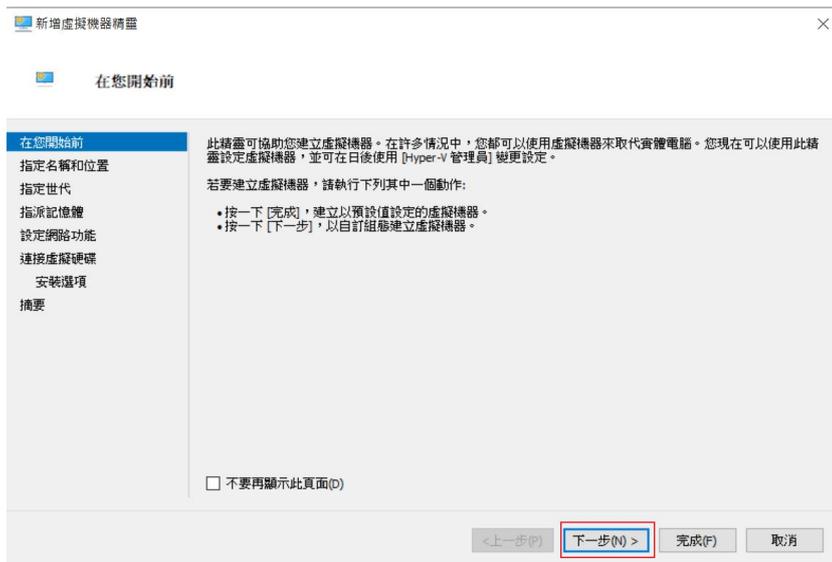
5. 將下載的 zip 檔案解壓縮



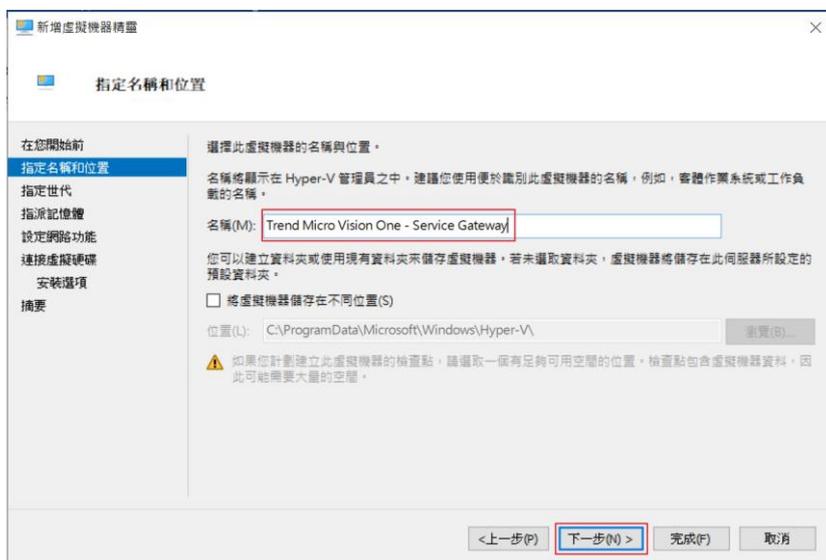
6. 開啟 Hyper-V 管理員, 點選新增> 虛擬機器



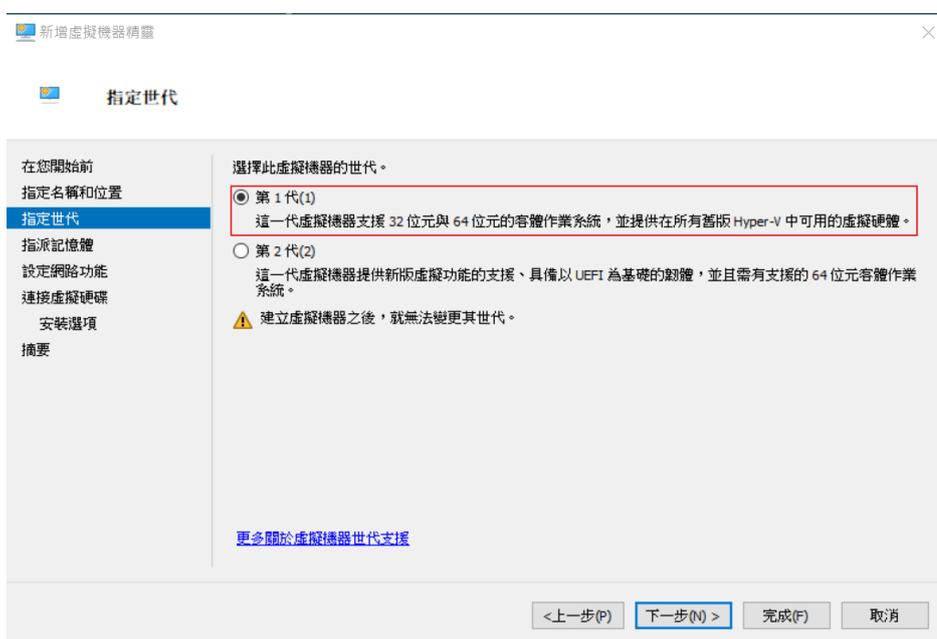
## 7. 點擊下一步



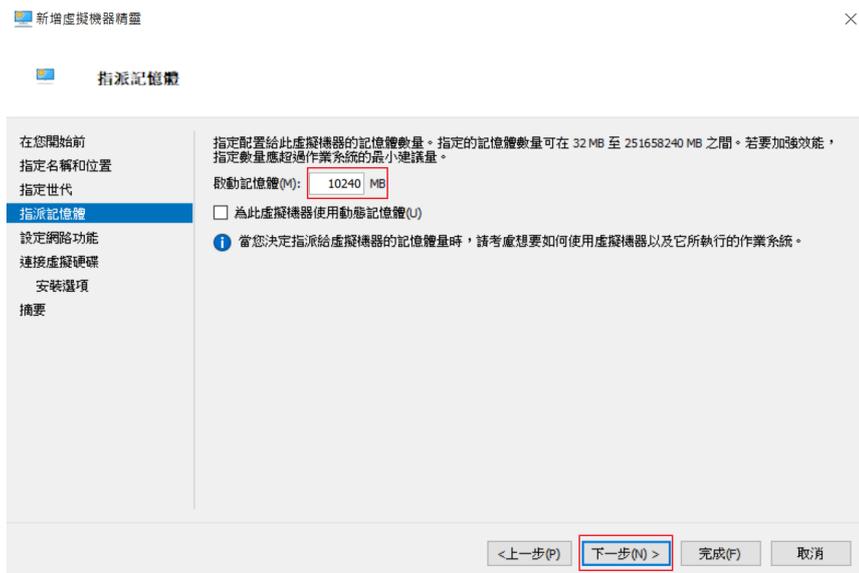
## 8. 為 Service Gateway 虛擬機指定名稱



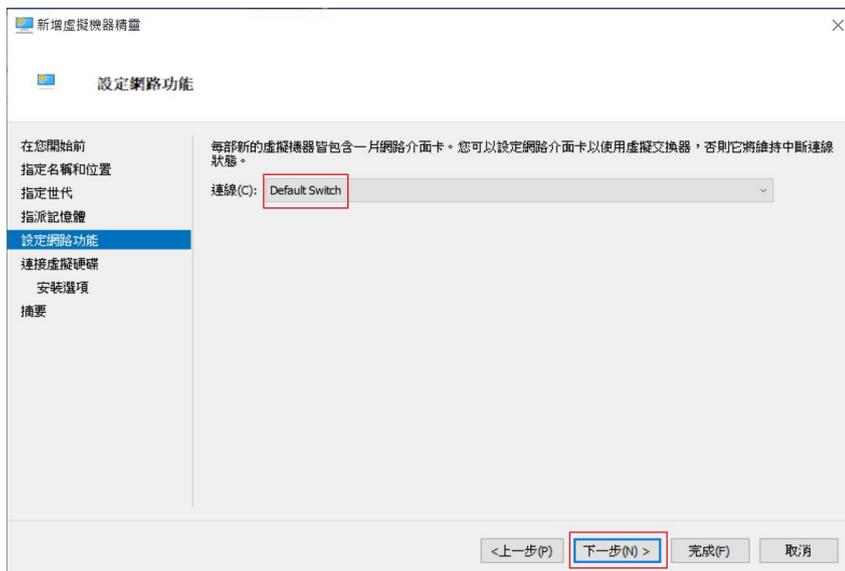
## 9. 虛擬機的世代請選擇第 1 代(1),再點擊下一步



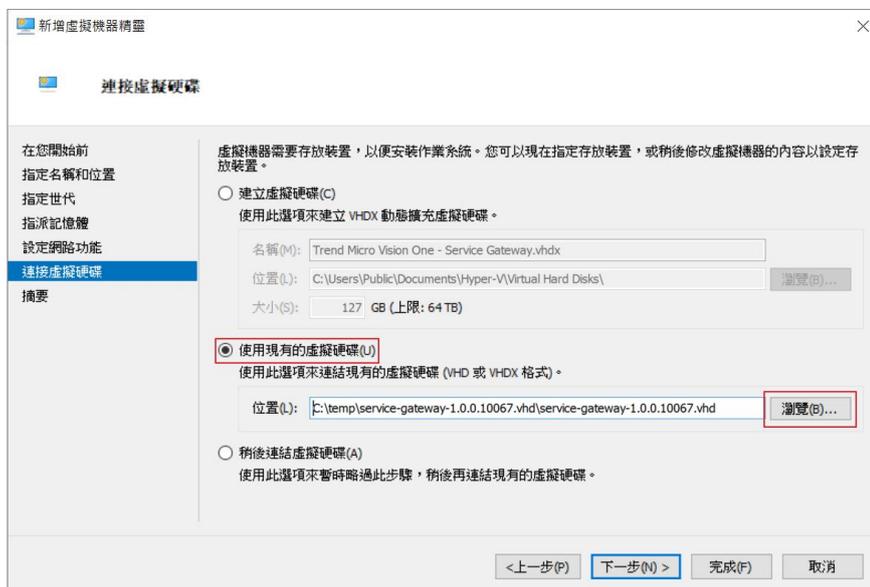
## 10.請依照步驟 1 的 Service Gateway 的系統需求來調整記憶體容量,再點擊下一步



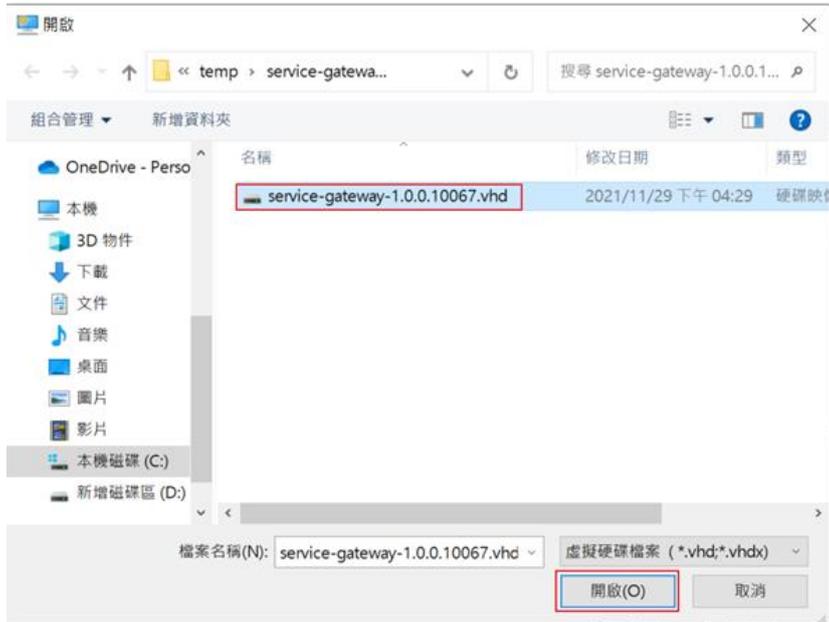
## 11.選擇 Service Gateway 使用哪一個網路連線,再點擊下一步



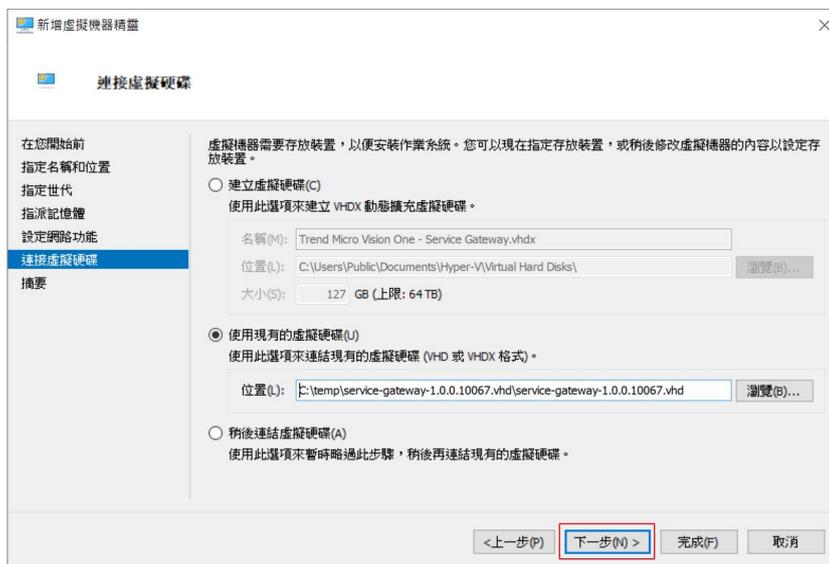
## 12.選擇使用現有的虛擬硬碟,再按瀏覽



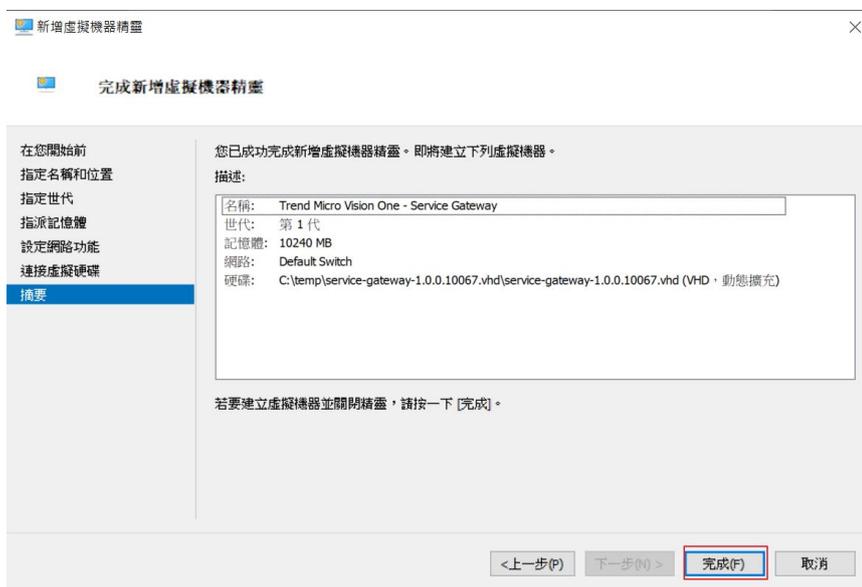
### 13. 選擇剛剛下載的 VHD 檔案,再按開啟



### 14. 再點擊下一步



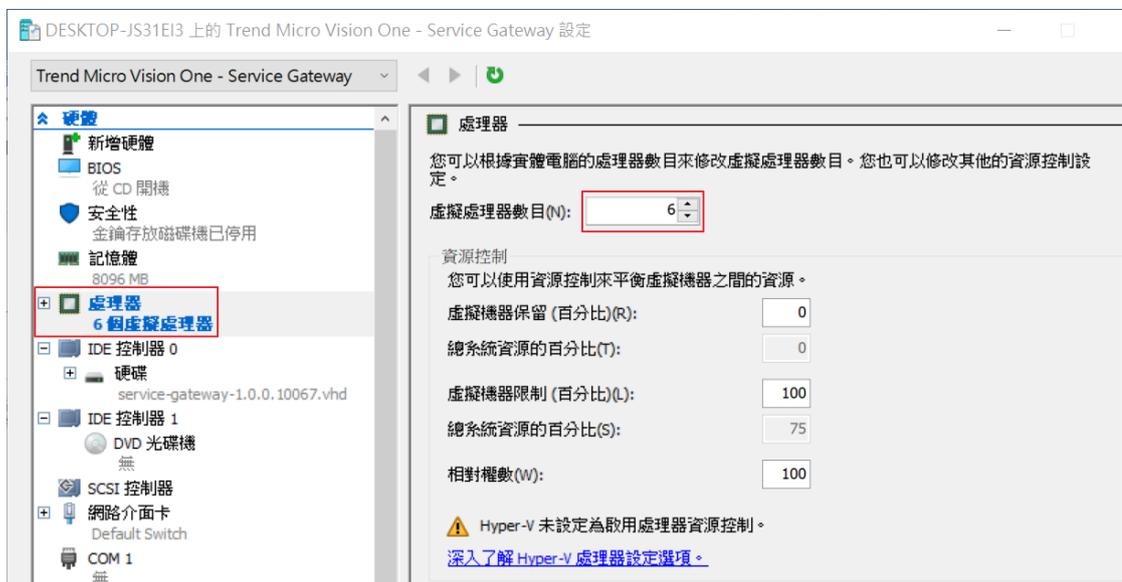
### 15. 點擊完成



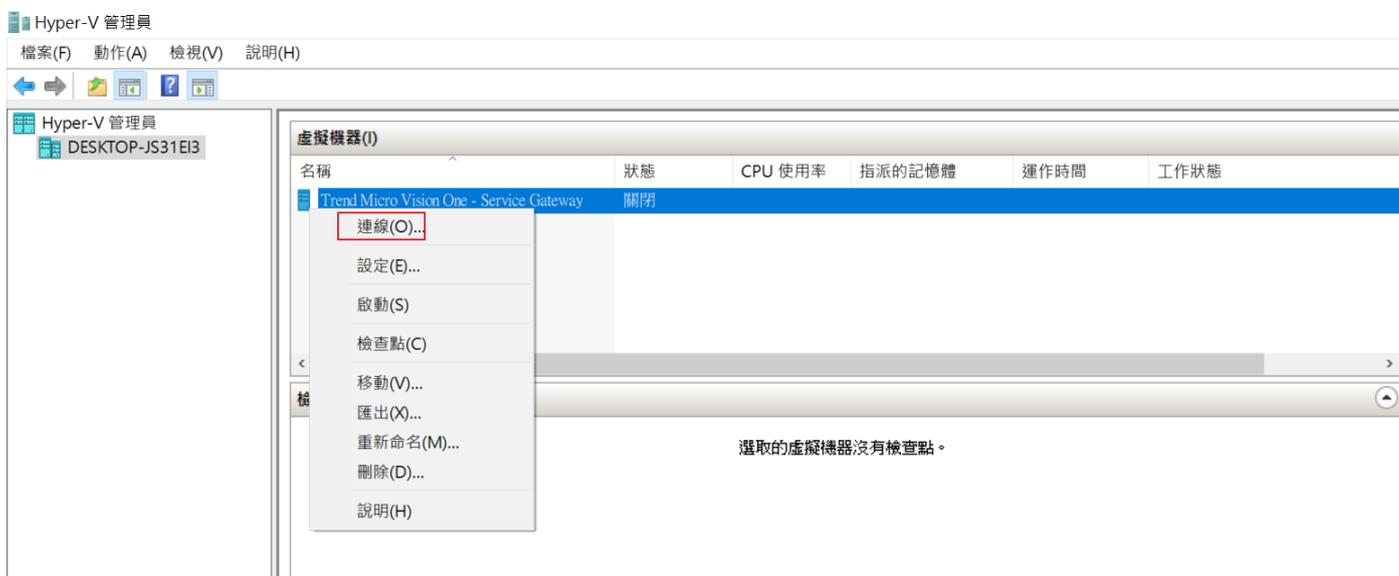
## 16. 在 Hyper-V 管理員,選擇 Service Gateway 虛擬機之後,再按滑鼠右鍵,選擇設定



## 17. 點擊處理器, 依照步驟 1 的 Service Gateway 的系統需求來調整 CPU 數量,再點擊確認



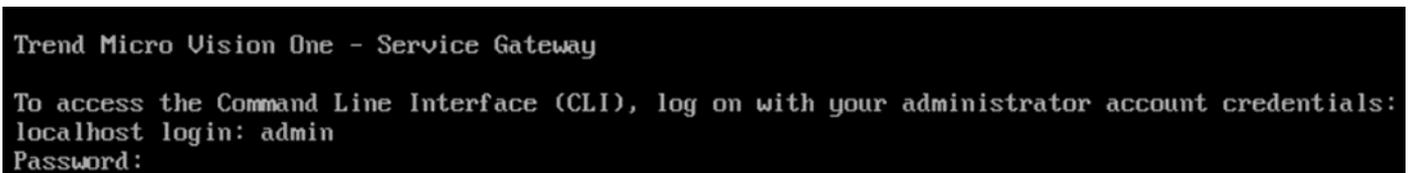
## 18. 在 Hyper-V 管理員,選擇 Service Gateway 虛擬機之後再按滑鼠右鍵,選擇連線



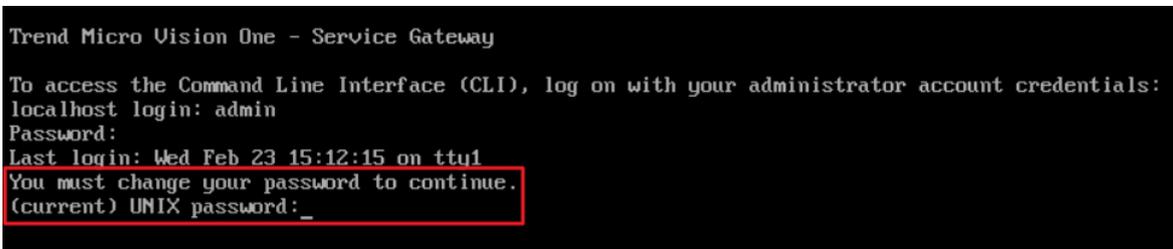
## 19. 點擊啟動,首次安裝與啟動 Service Gateway 大約需花費 10-15 分鐘



## 20. 登入 Service Gateway 虛擬機,手動輸入預設的帳號:admin 密碼: V1SG@2021

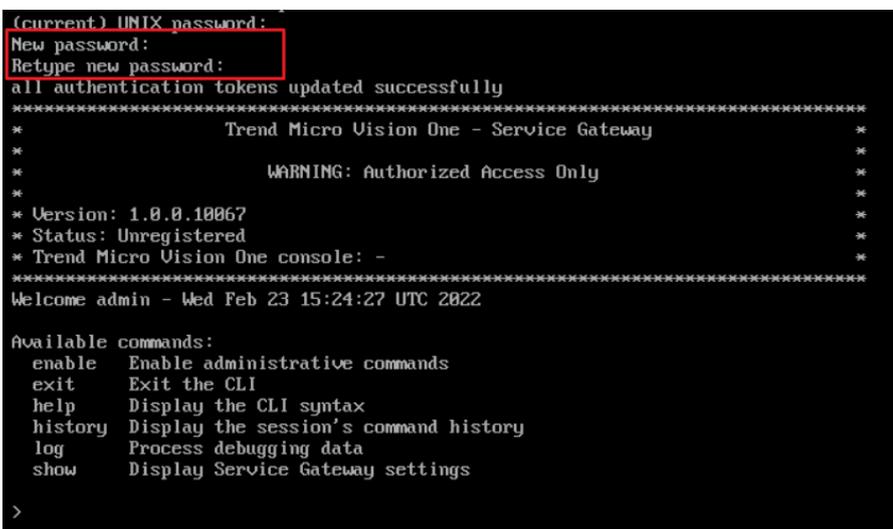


## 21. 此時畫面會顯示變更密碼的訊息,請再次輸入預設的密碼



## 22. 變更完新的密碼之後,就可以登入 CLI 的管理介面,執行相關的 Available commands

※ 需要密碼複雜度(8-32 字、須包含大小寫英文、數字和特殊字元)



23.輸入 enable 之後,就可以執行相關的 Administrative commands

```
> enable
Administrative commands:
configure    Configure Service Gateway settings
connect     Test connection to Trend Micro Vision One
exit        Exit administrative commands
help        Display the CLI syntax
history     Display the session's command history
ping        Ping a specific address
reboot      Restart the Service Gateway after a specified delay or immediately
register     Register the Service Gateway to Trend Micro Vision One
shutdown    Shut down the Service Gateway after a specified delay or immediately
unregister   Unregister the Service Gateway from Trend Micro Vision One
# _
```

24. 使用以下指令設定 Service Gateway 的 hostname

指令: `configure endpoint <hostname>` (備註:Endpoint name or FQDN)

```
# configure endpoint SG-test
```

25.使用以下指令設定 Service Gateway 的 IP address

指令:`configure ipv4 static <ip> <mask> <gateway>`

```
# configure ipv4 static 172.16.250.246 255.255.0.0 172.16.100.1
Please wait... This might take a few minutes. Do not shut down the Service Gateway.
IPv4 address configured successfully.
```

26.使用以下指令設定 Service Gateway 的 DNS server:

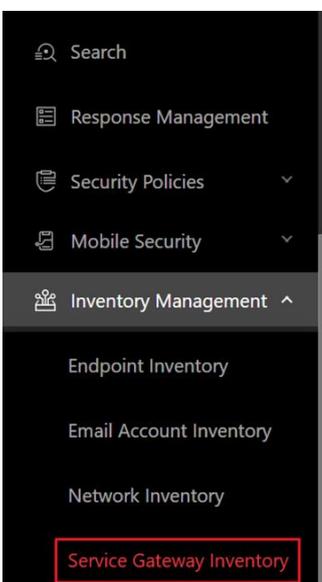
指令: `configure dns ipv4 <dns1> [dns2]`

```
# configure dns ipv4 172.16.100.10 168.95.1.1
Please wait... This might take a few minutes. Do not shut down the Service Gateway.
DNS configured successfully.
```

Service Gateway CLI Commands 可參考以下連結:

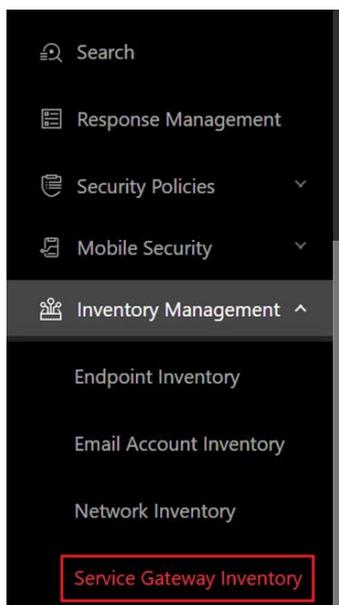
[https://docs.trendmicro.com/en-us/enterprise/trend-micro-xdr-online-help/inventory-management\\_001/service-gateway-inve/service-gateway-cli-.aspx](https://docs.trendmicro.com/en-us/enterprise/trend-micro-xdr-online-help/inventory-management_001/service-gateway-inve/service-gateway-cli-.aspx)

27.登入 Vision One,點選 Inventory Management > Service Gateway Inventory





### 32. 登入 Vision One, 點選 Inventory Management > Service Gateway Inventory



### 33. 確認 Service Gateway 是否有成功註冊, Connection status 是否顯示 Healthy

Trend Micro Vision One™ Service Gateway Inventory

+ Download Virtual Appliance

Service Gateway	Connection status	Connected endpoints	Uploaded
[REDACTED]	● Healthy	4	115.6 MB
SG-test (172.16.250.246)	● Healthy	0	1.06 MB