

# Outline

- Requirements for Hyper-V
- Install Hyper-V
- Create and set up a virtual machine
- Install the guest operating system
- Configure virtual networks
- Hyper-V Remote Management

# Requirements for Hyper-V

- Windows 8 Pro or Enterprise 64 bit Operating System
- 64 bit processor with Second Level Address Translation (SLAT)
- 4GB system RAM at minimum
- BIOS-level Hardware Virtualization support
- 目前 Intel i3/i5/i7 CPU 應該都符合 SLAT 的規格。

```
[04]: 2001:288:3001:15:e8
Hyper-U 需求:      UM 監視器模式擴充: 是
                   韌體中已啟用虛擬化: 是
                   第二層位址轉譯: 是
                   具有資料執行防止: 是

C:\Windows\system32>
```

# Requirements for Hyper-V (cont.)

ASUS UEFI BIOS Utility - Advanced Mode

My Favorites | Main | **Advanced** | Monitor | Boot | Tool

Advanced \ CPU Configuration >

Max CPU Speed	3200 MHz
Min CPU Speed	800 MHz
CPU Speed	3200 MHz
Processor Cores	4
Intel HT Technology	Not Supported
Intel VT-x Technology	Supported
Intel SMX Technology	Supported
64-bit	Supported
EIST Technology	Supported
CPU C3 state	Supported
CPU C6 state	Supported
CPU C7 state	Supported
L1 Data Cache	32 kB x 4
L1 Code Cache	32 kB x 4
L2 Cache	256 kB x 4
L3 Cache	6144 kB

Intel Adaptive Thermal Monitor: Enabled

Active Processor Cores: All

Limit CPUID Maximum: Disabled

**Execute Disable Bit: Enabled**

**Intel Virtualization Technology: Enabled**

Quick Note: XD can prevent certain classes of malicious buffer overflow attacks when combined with a supporting OS

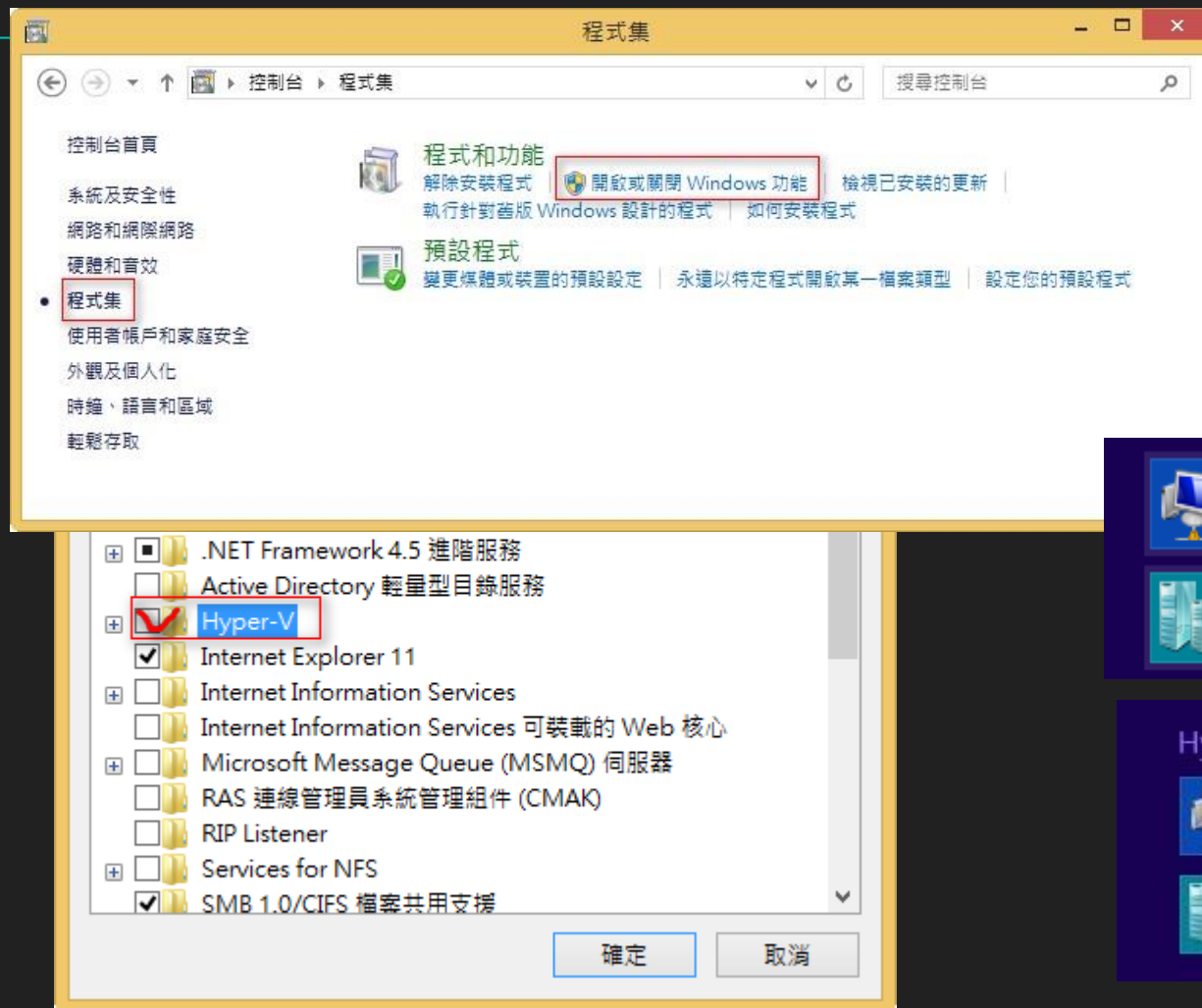
Last Modified

++: Select Screen  
↑↓: Select Item  
Enter: Select  
+/-: Change Opt.  
F1: General Help  
F2: Previous Values  
F3: Shortcut  
F4: Add to ShortCut and My Favorites  
F5: Optimized Defaults  
F10: Save ESC: Exit  
F12: Print Screen

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# Install Hyper-V



Hyper-V 虛擬機器連線 新增



Hyper-V 管理員 新增

Hyper-V 管理工具



Hyper-V 虛擬機器連線



Hyper-V 管理員

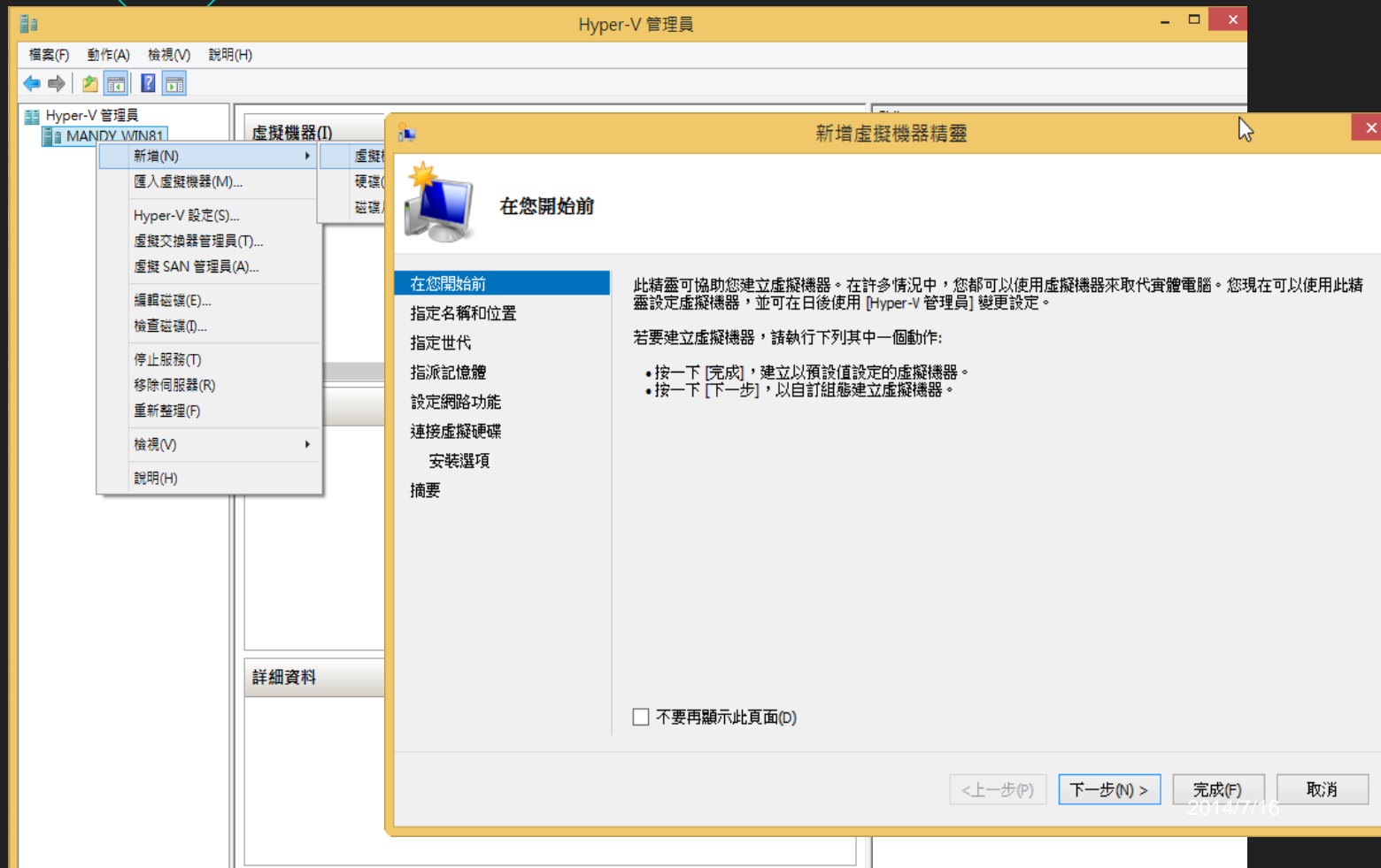
2014/7/16

# Create and set up a virtual machine

## □ Pre-plan:

- Installation media available for the operating system?
- How much memory?
- Where do you want to store the virtual machine?

# Create and set up a virtual machine (cont.)



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