建立與安裝 CentOS 7 虛擬機

1. 點選「Create a New Virtual Machine」以建立虛擬機



2. 選「I will install the operating system later」, 再點選「Next」

Home Home	New Virtual Machine Wizard X Welcome to the New Virtual Machine Wizard A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?	ï۲
	Install from: Installer disc: No drives available	Machine th will then be added to e which will then be adde
	I will install the operating system later. The virtual machine will be created with a blank hard disk.	orkstation Pro apshots, virtual networ
	Help < Back Next > Cancel	1

3. 選「Linux	系列	,選	⁺ CentOS 7	64-bit ₁ ,	點	'Next
------------	----	----	-----------------------	-----------------------	---	-------

Home Home	New Virtual Machine Wizard Select a Guest Operating System Which operating system will be installed on this virtual machine?	× r
	Guest operating system	Machine th will then be added to e which will then be adde
		orkstation Pro apshots, virtual netwo
	Help < Back Next > Cancel	is authorized for non-

 輸入虛擬機名稱,並選擇放置虛擬機檔案的位置,在此使用預設即可 點選「Next」

Home	New Virtual Machine Wizard Name the Virtual Machine What name would you like to use for this virtual machine?	< r
	Virtuar machine name CentOS 7 64-bit Location: C:\Users\user\Documents\Virtual Machines\CentOS 7 64-bit Browse	Aachine th will then be added to e which will then be added
		orkstation Pro apshots, virtual network
	< Back Next > Cancel This product is not licensed and	is authorized for non-

 設定磁碟大小為「10」GB,並選「Store virtual disk as a single file」

點選	Next」
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		L ~
Player	Pew Virtual Machine Wizard X]
uu	Specify Disk Capacity How large do you want this disk to be?	r
	The virtual machine's hard disk is stored as one or more files on the host computer's physical disk. These file(s) start small and become larger as you add applications, files, and data to your virtual machine. Maximum disk size (GB) 10 1	Machine th will then be added to
	Store virtual disk as a single file	e which will then be added
	Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.	orkstation Pro apshots, virtual network
	Help < Back Next > Cancel Commercial use only. For commercial	authorized for non- cial use, purchase a

6. 先點選「Finish」,後續再做細部調整

Ready to Create Virtual Machine Click Finish to create the virtual machine. Then you can install CentOS 7 64-bit. The virtual machine will be created with the following settings: Name: CentOS 7 64-bit Location: C: \Users\user\Documents\Virtual Machines\CentOS 7 Version: Workstation 15.x Operating System: CentOS 7 64-bit Hard Disk: 10 GB Memory: 1024 MB Network Adapter: NAT Other Devices: CD/DVD, USB Controller, Printer, Sound Card Customize Hardware Customize Hardware	A	New Virtual Machine Wizard		×	
The virtual machine will be created with the following settings: Aachine Name: CentOS 7 64-bit h will then be added to Location: C:\Users\user\Documents\Virtual Machines\CentOS 7 h will then be added to Version: Workstation 15.x h will then be added to Operating System: CentOS 7 64-bit e Hard Disk: 10 GB h will then be added to Memory: 1024 MB h will then be added to Network Adapter: NAT orkstation Pro Other Devices: CD/DVD, USB Controller, Printer, Sound Card orkstation Pro apshots, virtual network Apshots, virtual network orkstation Pro	LTU ^{Home}	Ready to Create Virtual Machine Click Finish to create the virtual 64-bit.	e machine. Then you can instal	l CentOS 7	r
Name: CentOS 7 64-bit h will then be added to the second sec		The virtual machine will be created with	h the following settings:		Machine
Operating System: CentOS 7 64-bit e Hard Disk: 10 GB which will then be addee Memory: 1024 MB which will then be addee Network Adapter: NAT orkstation Pro Other Devices: CD/DVD, USB Controller, Printer, Sound Card orkstation Pro Customize Hardware apshots, virtual network		Name: CentOS 7 64-bit Location: C: \Users \user \D Version: Workstation 15.	ocuments\Virtual Machines\C x	entOS 7	ch will then be added to
Memory: 1024 MB Network Adapter: NAT Other Devices: CD/DVD, USB Controller, Printer, Sound Card orkstation Pro apshots, virtual netwo		Operating System: CentOS 7 64-bit Hard Disk: 10 GB			e which will then be adde
Customize Hardware		Memory: 1024 MB Network Adapter: NAT Other Devices: CD/DVD, USB Co	ontroller, Printer, Sound Card	~	orkstation Pro
		Customize Hardware			apshots, virtual netwo
					-

選剛建立的虛擬機「CentOS 7 64-bit」
 點選「Edit virtual machine settings」進行細部編輯

💱 VMware Workstation 15 Player (Non-commercial use only)	– o ×	
Player ▼ ▶ ▼ 🖶 🖸 뀑		
CentOS 7 64-bit	S 7 64-bit	
State	: Powered Off	
05	: CentOS 7 64-bit	
Version	: Workstation 15.x virtual machine	
RAM	: 1 GB	
Pla	y virtual machine t virtual machine settings	

8. 進入編輯畫面,選「Memory」編輯記憶體大小,拉到「2 GB」



Device	Summary	Processors	
	2.02	Number of processor cores: 2 ~	
Processors	2	Virtualization engine	
CD/DVD (IDE)	Auto detect	Virtualize Intel VT-x/EPT or AMD-V/RVI	
P Network Adapter	NAT Present	Virtualize CPU performance counters	
네 Sound Card	Auto detect	Virtualize IOMMO (IO memory management	unit)
🛱 Printer	Present		
L_Display	Auto detect		

10. 點「CD/DVD(IDE)」編輯光碟,勾選「Connect at power on」
 挑選桌面上「CentOS-7-x86_64-DVD-1708.iso」光碟映像檔為開機光碟

lardware Options		
Device	Summary 2 GB 2 Auto detect IVAT Present Auto detect Present Auto detect	Device status Connect at power on Connection Use physical drive: Auto detect Use ISO image file: Upesktop/CentOS-7-x86_64-DVD=1708.iso Browse Advanced
	Add Remo	/e

9. 點「Processors」調整 CPU 數量,選擇「2」類 Core

Device Memory Processors Hard Disk (SCSI)	Summary 2 GB 2 10 GB	Device status
(•) CD/DVD (TDE)	Using file C:\Users\user\Des	Bridged: Connected directly to the physical network
dv Sound Card 금 Printer □Display	Auto detect Present Auto detect	Replicate physical network connection state
		VMnet0 OLAN segment: LAN Segments Advanced

11. 選「Network Adapter」調整虛擬網路設定,選「Bridged」

12. 選「Sound Card」設定音效卡,點選「Remove」移除

rdware Options		
Device Device Hendry Frocesors Hard Disk (SCSI) CD/DVD (IDE) Poly Network Adapter Comparison Sound Card Printee Display	Summary 1 GB 1 10 GB Auto detect NAT Auto detect Present Auto detect	Device status Connected Connect at power on Connection ④ Use default host sound card ⑤ specify host sound card: 这端音訊 Echo cancellation Enable echo cancellation
	Add Rem	nove

Device Memory Processors Hard Disk (SCSI) O/D/D (DE) Network Adapter Printer Disk Controller	Summary 1 GB 1 10 GB Auto detect NAT Present Present Auto detect	▲ Virtual printers must be enabled in the preferences.	
	Add	Remove	

13. 選「Printer」設定印表機,點「Remove」移除

14. 設定完成,點選「OK」

rdware Options		
doware Options Device Memory Processors Hard Disk (SCJI) © CD/DVD (DDE) O CD/DVD (DDE) O Network Adapter ①USB Controller ①Display	Summary 1 GB 1 10 GB Auto detect NAT Present Auto detect	30 graphics Accelerate 3D graphics Monitors Image: Specify monitor settings: Number of monitors: 1 Maximum resolution of any one monitor: 2560 x 1600



15. 選虛擬機「CentOS 7 64-bit」, 點選「Play virtual machine」開機

16. 詢問是否下載 VMware Tools, Linux 系統先略過,點「Remind Me Later」



17. 點虛擬螢幕任一地方,進入虛擬機控制螢幕 要退出虛擬機控制螢幕到桌機,按「Ctrl + Alt」



18. 按「Enter」開始安裝 CentOS 7 「¹^{CentOS 7 64-bit - VMware Workstation 15 Player (Non-commercial use only)}



19. 檢查安裝光碟完整性的程序,可以按「ESC」跳過檢查



20. 載入安裝檔過程

	Cer	ntO	S 7 64-bit - VMware Workstation 15 Player (Non-commercial use only)	<u></u>		×
	Player	Ŧ	Ⅱ - 4 回 22			~
E	OK]	Set up automount Arbitrary Executable File Formats File System Automount Poi	nt.		
E	OK]	Reached target Swap.			
			Mounting Temporary Directory			
		-	Starting Create list of required static device nodes for the current kernel.			
L	UK	1	Listening on LUM2 metadata daemon socket.			
	οv	a.	Starting monitoring of LVM2 mirrors, snapshots etc. using dimeventa or progre	ss I	polling	
	UK	1	Listening on Delayed Soutdown Socket.			
	01	1	nounted Poly Pilo Suder			
	0N 0N	1	Mounted Jung Pares File System			
ř	UK	1	Mounted Temporary Directory			
Ē	OK	1	Started Journal Service.			
E	OK]	Started Remount Root and Kernel File Sustems.			
1			Starting Rebuild Hardware Database			
			Starting Load/Save Random Seed			
			Starting Configure read-only root support			
			Starting Flush Journal to Persistent Storage			
E	OK]	Started Create list of required static device modes for the current kernel.			
			Starting Create Static Device Nodes in /dev			
Ę	OK	1	Started Load/Save Random Seed.			
Ļ	UK	1	Started Apply Rernel Variables.			
ļ	UK	1	Started Flush Journal to Persistent Storage.			
	UK	1	Started Configure read-only root support.			
Ľ	UK	1	Starting udges and Device Museum			
r	02	ा	Starting unev verhei bevice handyer			
1	on	-1	Starting LUM2 metadata daemon			
r	0K	1	Started udeu Kernel Device Manager.			
Ē	OK	1	Started Rebuild Hardware Database.			
			Starting udev Coldplug all Devices			
E	OK]	Started udev Coldplug all Devices.			
			Starting Device-Mapper Multipath Device Controller			
			Starting udev Wait for Complete Device Initialization			
E	OK]	Started Device-Mapper Multipath Device Controller.			
E	OK]	Started Monitoring of LUM2 mirrors, snapshots etc. using dmeventd or progres	s po	olling.	
E	OK]	Reached target Local File Systems (Pre).			
Г						

😚 CentOS 7 64-bit - V	/Mware Workstation 15 Player (N	Ion-commercial use only)	1			×
<u>P</u> layer ▼ ▼ ⊟	「四日」					~
				CENTOS 7 安	装	
				🖽 us	求助!	
CentOS	歡迎使用 CEN	TOS 7。				
	您想使用哪種語言3	安裝?				
]	答体中立(中国)		1	
	తెలుగు	Telugu	整體中文(台灣)			
the state of the	Точикй	Tajik	家庭中久(口湾)		11 11	
	ไทย	Thai	简体中文 (新加坡)		
	Türkçe	Turkish				
	Українська	Ukrainian				
	اردو	Urdu				
	Tiếng Việt	Vietnamese				
	中文	Chinese				
	IsiZulu	Zulu			1	
	在此處輸入可搜尋。	Ð				
	-					
				退出(Q)	繼續(C)

21. 進入圖形安裝界面,點「中文」,選「繁體中文(台灣)」,點「繼續」

22.	點	「安裝目的地」	
	111	XXUNIU	



23. 選「讓我們行配置磁碟分割」,點「完成」

📆 CentOS 7 64-bit - VMware Workstation 15 Player (Non-comm	ercial use only)		<u>800</u> 8		×
<u>P</u> layer ▼ ▼ 母, □] 泡					~
安裝目的地			CENTO	57安	娤
完成(D) 2			🖽 cn		求
請選取您想要安裝的目標裝置。直到您按下主選單的 本機標準磁碟	勺「開始安裝」	安鈕為止,我們都不會發	觸它們。		
10 GiB					
VMware, VMware Virtual S sda / 992.5 KiB 可用					
特殊磁碟與網路磁碟		我們不會	會更動到留行	在此處未	建取的
☑ 加入磁碟(A)…					
		我們不會	會更動到留得	在此處未	建取的
其它儲存選項 分割硬碟 ○ 自動配置磁碟分割 (u)。 ○ 譲我自行配置磁碟分割 (l)。 ③ 我想要製作額外的可用空間 (m)。	1				
加密 為我的資料加密 (E)。 总稍後需要設定密語。 					
完整磁碟摘要與開機載入器(F)		已選取1顆磁碟;10	GiB 容量;	10 GiB	可用

24. 點「請點按這裡讓系統自動建立」

🙀 CentOS 7 64-bit - VMware Workstation 15 Player (Non-commer	- 0		×	
Player ▼ │ ▼ 母 □ 辺				~
手動處理分割 完成(D)		CENT	ros 7 5	安裝
 ★新的 CentOS 7 安裝 您尚未為您的 CentOS 7 安裝建立任何掛載點。您可以: 請點按這裡讓系統自動建立(C)。 ●點按「+」鈕方建立新的掛載點。 新的掛載點將使用以下磁碟分割格式: 				
	當您為您的 CentOS 7 安裝建立掛載點時,	,您可在此	處檢視其	【詳細資
+ - C 可用空間 所有空間				
10239.97 MiB 10 GiB 已選擇 1 個儲存裝置(S)				全部

25.	確認磁碟分	·割是否合·	乎需求	,點	「完成」
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🔁 CentOS 7 64-bit - VMware Workst	ation 15 Player (Non-comme	rcial use only)	- 🗆 X
Player 🕶 📕 🍷 🕂 🕄			«
壬動皮理分割 完成(D)			CENTOS 7 安裝 囲 cn
▼新的 CentOS 7 安装		centos-root	
系統 /boot sdal	1024 MiB	掛載點(P):	装置:
/ centos-root	8188 MiB 🗲	需要容量(D):	VMware, VMware Virtual !
swap centos-swap	1024 MiB	8188 MiB 站置 麵型(T):	修改(M) Volume Group
		LVM • 加密(E)	centos (0 B 可用
		福案糸統(Y): xfs ▼ ● 重新格式化(0)	修改(M)
		標籤(L):	名稱(N):
+ - C			root
可用空間 992.5 KiB 10 GiB			
已選擇1個儲存裝置(S)			全音

26. 磁碟分割修改警告,點「接受變更」

😼 CentOS 7 64-bit - VMware Workstation 15 Player (Non-commercial use only)						- 🗆 X
Player 🕶 📘 👻 🛱	回 2					~
手動處理分割						CENTOS 7 安裝
						🖽 cn
▼新的 CentOS 7	安性			entos-root		-
系統 /boot	變更的 在您返	摘要 回主選單並	選擇安裝後,您的自訂	設定會對您所這	選的磁碟產生下列更動:	裝置:
sdal	命令	動作	類型	裝置名稱	掛載點	VMware, VMware Virtual S
1	1	摧毀格式	Unknown	sda		
centos-root	2	建立格式	分割表 (MSDOS)	sda		修改(M)
swap centos-swap	3	建立裝置	partition	sdal		
cencos swap	4	建立格式	xfs	sdal	/boot	
	5	建立裝置	partition	sda2		Volume Group
	6	建立格式	physical volume (LVM)	sda2		centos (0 B 可用)
	7	建立裝置	lvmvg	centos		
	8	建立裝置	lvmlv	centos-swap	12	修改(M)
	9	建立格式	swap	centos-swap		
	10	建立裝置	lvmlv	centos-root		
	11	建立格式	xfs	centos-root	/	名稱(N):
+ - C			取消並返	回自訂分割(C)	接受變更(A)	root
可用空間 992.5 KiB 10	^{自空間} D GiB					
已選擇1個儲存裝置(<u>(S)</u>					全部

27. 點「開始安裝」

📆 CentOS 7 64-bit -	VMware Workstation 15 P	'layer (Non-commercial use only)	<u>200</u> 1		×
<u>P</u> layer ▼ ▼	母回辺					~
	安裝摘要			CENTO	S7安	技
				🖽 cn		求
CentOS	6	日期時間(I) 亞洲台北時區		難齏配直(K) 漢語		
	á	語言支援(L) 繁體中文 (台灣)				
	軟體					
	0	安裝來源(I) 本地端媒體	6	軟體選擇(S) 最小型安裝		
	系統					
	2	安裝目的地(D) <i>已選擇自訂磁碟分割</i>	Q	KDUMP 已啟用 Kdump		
	÷	網路與主機名稱(N) 未連線		SECURITY POL	ICY ted	
				退出(Q)		開始多
			在您按下「開始安裝	1) 之前,我們不會對	您的磁码	進行任

28. 點「ROOT 密碼」



29. 兩個密碼欄輸入「Centos12#」(本次研習環境指定密碼),點「完成」

瓉 CentOS 7 64-bit - VMware Workstation	n 15 Player (Non-commercial use only)	– 🗆 X
<u>P</u> layer • 📕 • 🖶 🖸 🏾		~
ностщи		CENTOS 7 安裝
完成(D)		🖽 cn
	root 是用來管理系統的帳號。請為 root 使用者訂立密碼。	
	Root 密碼:	
	確認(C):	

30. 等候安裝完成



31. 安裝完成,點「重新開機」

