Installing VMware Workstation Player

- **Step1.** Install VMware workstation17 player as an example. Select "Create a New Virtual Machine". (FigureH-1)
 - Select "I will install the operating system later." and then click the Next button. (FigureH-2)
 - Guest operating system: select "Linux". Version: select "Other Linux
 3.x kernel 64-bit". Click the "Next" button. (FigureH-3)
 - Enter the name of the virtual machine and browse the location where you want to install it and then click the "Next" button. (FigureH-4)
 - Maximum disk size (GB): 8.0 (default value). Select "Store virtual disk as a single file" and click the "Next" button. (FigureH-5)
 - Click the **Finish** button to create virtual machine. (FigureH-6)

📆 VMware Workstation 17 Player (Non-commercial use only) - 🗆 🗙 Player 🖌 📄 🖌 🛱 🔂 Welcome to VMware Workstation Home **17 Player Create a New Virtual Machine** Create a new virtual machine, which will then be added to the top of your library. **Open a Virtual Machine** Open an existing virtual machine, which will then be added to the top of your library. Upgrade to VMware Workstation Pro Get advanced features such as snapshots, virtual network management, and more. Help View online help. This product is not licensed and is authorized for non-commercial use only. For commercial use, purchase a license. Buy now.

Figure H-1 Clicking "Create a New Virtual Machine"

New Virtual Machine Wizard	×
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?	
Install from:	
O Installer disc:	
No drives available	
○ Installer disc image file (iso):	
Browse	
 I will install the operating system later. The virtual machine will be created with a blank hard disk. 	
Help < Back Next > Can	cel

Figure H-2 Selecting "I will install the operating system later"

Select a Guest Operating System Which operating system will be installed on this virtual machine? Guest operating system Microsoft Windows Linux Other Version Other Linux 3.x kernel 64-bit	New Virtual Machine Wiza	rd	×
Which operating system will be installed on this virtual machine? Guest operating system Microsoft Windows Linux Other Version Other Linux 3.x kernel 64-bit	Select a Guest Operatin	g System	
Guest operating system O Microsoft Windows O Linux O Other Version Other Linux 3.x kernel 64-bit	Which operating syste	m will be installed on this virtual machine?	
 Microsoft Windows ● Linux ● Other Version Other Linux 3.x kernel 64-bit ✓ 	Guest operating system		1
Other Version Other Linux 3.x kernel 64-bit	O Microsoft Windows		
O Other Version Other Linux 3.x kernel 64-bit ✓	Linux		
Version Other Linux 3.x kernel 64-bit	Other		
Other Linux 3.x kernel 64-bit ~	Version		
	Other Linux 3.x kernel 64-bit		~
Help < Back Next > \ Cancel	Help	< Back Next > N	ancel

Figure H-3 Selecting the Guest Operating System and Version

New Virtual Machine Wizard	×
Name the Virtual Machine What name would you like to use for this virtual machine?	
Virtual machine name:	
MLS-VM	
Location:	
D:\VM\MLS-VM	Browse
< Back Next >	Cancel

Figure H-4 Entering the Virtual Machine Name and Browsing the Location

New Virtual Machine Wiz	ard	×
Specify Disk Capacity		
How large do you wa	nt this disk to be?	
The virtual machine's hard dis physical disk. These file(s) sta files, and data to your virtual	sk is stored as one or more files art small and become larger as I machine.	s on the host computer's you add applications,
Maximum disk size (GB):	8.0 +	
Recommended size for Other	Linux 3.x kernel 64-bit: 8 GB	
Store virtual disk as a sing	gle file	
O Split virtual disk into multip	ole files	
Splitting the disk makes it	easier to move the virtual mad	hine to another computer
but may reduce performa	nce with very large disks.	
Help	< Back Ne	ext > N Cancel

Figure H-5 Specifying the Disk Capacity and Type

3.x kernel 64-	oit.	
News	will be created with the following settings:	
Name:		
Version:	Workstation 17 x	
Operating System:	Other Linux 3.x kernel 64-bit	
Hard Disk:	8 GB	
Memory:	768 MB	
Network Adapter:	NAT	
Other Devices:	CD/DVD, USB Controller, Printer, Sound Card	~
Customize Hardw	are	

Figure H-6 Virtual Machine Created Successfully

Step2. Edit the settings of the newly added virtual machine. (FigureH-7)

- Memory: at least 2GB (This can be increased depending on the situation)
- Processors: at least 1 core. (This can be increased depending on the situation)
- Hard Disk: SSD 8GB which is used for enabling MLS-VM.
 Remove the default hard disk (SCSI) and add a SATA hard disk and select "Use an existing virtual disk" which is the file used for booting (8G.vmdk). (FigureH-8, H-9, H-10, H-11, H-12, H-13)
- Hard Disk 2: at least 500GB which is used for storing emails. Add the second SATA hard disk: selecting "Create a new virtual disk" and "Store virtual disk as a single file". (FigureH-14, H-15, H-16, H-17, H-18, H-19)
- Network Adapter: the default network adapter for system operation.
 Select "Bridged: Connected directly to the physical network".
 (FigureH-20)
- Network Adapter 2: This is necessary when in HA mode.
 Select "Host-only: A private network shared with the host." (FigureH-21, H-22)
- USB Controller: compatible with USB2.0 or 3.1. (not necessary)
- Serial Port: Select the serial port for console mode, etc., COM1. (not necessary).
- Display: Use the default setting.
- Virtual machine settings completed. (FigureH-23)

😚 VMware Workstation 17 Player (Non-commercial use only)	(1)	×
Player ↓ ▶ ▼ 母 ⊡ 泡		
MLS-VM		
MLS-VM		
State: Powered Off OS: Other Linux 3.x ker Version: Workstation 17.x vi RAM: 768 MB	nel 64-bit irtual machine	
Play virtual machine	tings	



ardware Options	•		
Device Memory Processors	Summary 2 GB 1 8 GB	Disk file D:\VM\MLS-VM\MLS-VM.vmdk Capacity	
Colory (Dec) Colo	Auto detect NAT Present Auto detect Present Auto detect	Current size: 1.1 MB System free: 413.7 GB Maximum size: 8 GB Disk information Disk space is not preallocated for this hard disk. Hard disk contents are stored in a single file.	
		Disk utilities Defragment files and consolidate free space. Expand disk capacity. Compact disk to reclaim unused space.	Defragment Expand Compact
			Advanced
	Add Remove		

FigureH-8 Removing the Original SCSI Hard Disk

irtual Machine Settings Hardware Options		×
Device Memory Processors CoDVD (DDE) Network Adapter USB Controller Cod Sound Card Display	Summary 2 GB 1 Auto detect NAT Present Auto detect Present Auto detect	Device status Connected Connect at power on Connection Use physical drive: Auto detect Use ISO image file: Browse Advanced
		OK Cancel Help

FigureH-9 Adding the First SATA Hard Disk

Add Hardware Wizard Hardware Type What type of hardware do yo	w want to install?
Hardware types: Hard Disk CD/DVD Drive Floppy Drive Hetwork Adapter USB Controller Sound Card Parallel Port Serial Port Printer Generic SCSI Device Trusted Platform Module	Explanation Add a hard disk.
	< Back Next > Cancel

FigureH-10 Selecting the Hardware Type

Add Hardw	are Wizard			×
Select a What	Disk Type kind of disk do you want to	create?		
Virtual disk t	ype			-
OIDE				
⊖ scsi	(Recommended)			
● SATA				
ONVMe				
		- Deads	Next > N	Concel
		< back	Next >	Cancel

Figure H-11 Selecting the Virtual Disk Type: SATA

Add Hardware Wizard	<
Select a Disk	
Which disk do you want to use?	
Disk	-1
O Create a new virtual disk	
A virtual disk is composed of one or more files on the host file system, which will appear as a single hard disk to the guest operating system. Virtual disks can easily be copied or moved on the same host or between hosts.	
Use an existing virtual disk	
Choose this option to reuse a previously configured disk.	
O Use a physical disk (for advanced users)	
Choose this option to give the virtual machine direct access to a local hard disk. Requires administrator privileges.	
< Back Next > Cancel	

FigureH-12 Selecting "Use an existing virtual disk"

Add Hardware Wizard X
Select an Existing Disk Which previously configured disk would you like to use?
Existing disk file
D:\VM\MLS-VM\sukent\8G.vmdk Browse
< Back Finish Cancel

Figure H-13 The First SATA Hard Disk Successfully Added

Virtual Machine Settings		>
Ardware Options Device Summary ■ Memory 2 GB □ Processors 1 □ New Hard Disk (SATA) Souto detect □ Network Adapter NAT ○ CD/DVD (DE) Auto detect □ Network Adapter NAT ○ Sound Card Auto detect □ Printer Present □ Display Auto detect	Summary 2 GB 1) Auto detect NAT Present Auto detect Present Auto detect	Disk file D:\VM\VMLS-VM\sukent\BG.vmdk Capacity Current size: 8 GB System free: 413.7 GB Maximum size: 8 GB Disk information Disk space is preallocated for this hard disk. Hard disk contents are stored in a single file. Disk utilities Defragment files and consolidate free space. Expand disk capacity. Compact disk to reclaim unused space. Advanced
	Add	
	Add	OK Cancel Help

FigureH-14 Adding the Second SATA Hard Disk

Add Hardware Wizard Hardware Type What type of hardware do yo	u want to install?
Hardware types: Hard Disk CD/DVD Drive Floppy Drive Network Adapter USB Controller USB Controller Sound Card Parallel Port Serial Port Printer Generic SCSI Device Trusted Platform Module	Explanation Add a hard disk.
	< Back Next > 2 Cancel

Figure H-15 Selecting the Hardware Type

Add Har <mark>d</mark> w	are Wizard			×
Select a Disk Type				
What	kind of disk do you want to	create?		
Virtual disk	type			
⊖ scsi	(Recommended)			
SATA				
ONVMe				
		< Back	Next >	Cancel

FigureH-16 Selecting the Virtual Disk Type : SATA

Add Hardware Wizard	×
Select a Disk	
Which disk do you want to use?	
Disk	
Create a new virtual disk	
A virtual disk is composed of one or more files on the host file system, appear as a single hard disk to the guest operating system. Virtual disk easily be copied or moved on the same host or between hosts.	which will is can
O Use an existing virtual disk	
Choose this option to reuse a previously configured disk.	
O Use a physical disk (for advanced users)	
Choose this option to give the virtual machine direct access to a local h Requires administrator privileges.	ard disk.
< Back Next >	Cancel

FigureH-17 Selecting "Create a new virtual disk"

Add Hardware Wizard	×
Specify Disk Capacity How large do you want this disk to be?	
Maximum disk size (GB): 500	
Recommended size for Other Linux 3.x kernel 64-bit: 8 GB	
Allocate all disk space now.	
Allocating the full capacity can enhance performance but requires all of the physica disk space to be available right now. If you do not allocate all the space now, the virtual disk starts small and grows as you add data to it.	el e
Store virtual disk as a single file	
○ Split virtual disk into multiple files	
Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.	
< Back Next > Cancel	

FigureH-18 Selecting "Store virtual disk as a single file"

	×
Specify Disk File Where would you like to store the disk file?	
Disk file One 500 GB disk file will be created using this file name.	
MLS-VM-0.vmdk Brow	se
a Deale Circle N	Connert

FigureH-19 The Second SATA Hard Disk Successfully Added

rdware Options		
Device Memory Processors Hard Disk (SATA) Network Adapter USB Controller Display	Summary 2 GB 1 8 GB (Preallocated) 500 GB Bridged (Automatic) Present Auto detect Auto detect Remove	Device status Connected Connected Connect at power on Network connection Replicate physical network connection state NAT: Used to share the host's IP address Host-only: A private network shared with the host Custom: Specific virtual network VMnet0 (Auto-bridging) LAN segment: LAN Segments Advanced.

Figure H-20 Network Adapter1: Selecting "Network Adapter Bridged (Automatic)" and "Bridged : Connected directly to the physical network"

Add Hardware Wizard	×	
Hardware Type What type of hardware do you want to install?		
Hardware types: Hard Disk CD/DVD Drive Floppy Drive Vetwork Adapter USB Controller Sound Card Parallel Port Serial Port Printer Generic SCSI Device C. Trusted Platform Module	Explanation Add a network adapter.	
	Finish Cancel	

FigureH-21Adding Network Adapter2



FigureH-22 Selecting "Host-only: A private network shared with the host"



FigureH-23 The Hardware Settings Completed

- **Step3.** Start the virtual machine by clicking "Play virtual machine" (FigureH-24, H-25)
 - For the first-time login to the management interface (<u>http://192.168.1.1</u>), a pop-up window appears saying "System failed to identify the data on the hard disk…". Please format the hard disk to continue. (FigureH-26, H-27, H-28, H-29)
 - After formatting the hard disk, you may go to the Installation Wizard page, the wizard will guide you through the installation. (FigureH-30)



FigureH-24 Starting the Virtual Machine



FigureH-25 Starting the Virtual Machine



Figure H-26 A Pop-up Window Appears for the First-time Login to the Management Interface

System Settings			
Export System Settings Import System Settings :	Export 選擇檔案 沒有選擇檔案 (ex: E-Mail_Server.conf)		
Reset to factory settings			
Configuration File Send Setti	ng		
Enable automatic send s Daily at 00:00 ~	ystem settings (Please conf	igure Email Notification Settings)	
Built-in Hard Disk Manageme	ent		
Available disk management :	Format	Hard Disk Chr. Repair Bad Sectors	
Name Settings			
Company Name :	E-Mail Server	(Max. 19 characters, ex: My Company)	
Device Name :	E-Mail Server	(Max. 19 characters, ex: E-Mail Server)	

Figure H-27 Clicking "Format Hard Disk"

192.168.1.1 說

All email messages will be gone due to the disk format process. Do you want to continue?





E-Mail Server will be rebooted !! Deleting all the email messages might take several minutes. Please wait 9 minutes to reconnect system. >>>>>> Waiting 500 seconds <<<<<<





FigureH-30 Hard Disk Format Completed Successfully

Important :

- 1. Network adapter1: please set the IP address in the 192.168.1.x range, thus the MLS-VM will connect to the management interface (http://192.168.1.1) after booting.
- 2. If the capacity of the second SATA hard disk (for storing email) is changed, for example, changing from 500GB to 1TB. Please format the hard disk first in order to use all capacity. (Formatting will result in data loss)
- **3.** VMware workstation 17 player is free of charge only for non-commercial, personal and home use. For commercial use, a license is required.