Lab

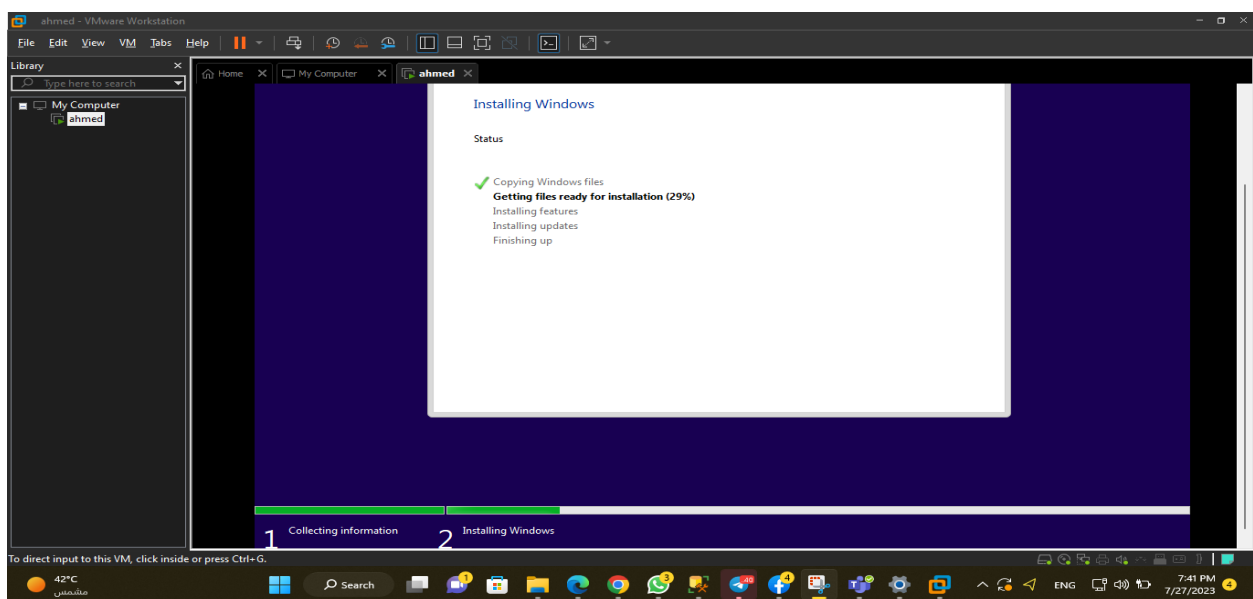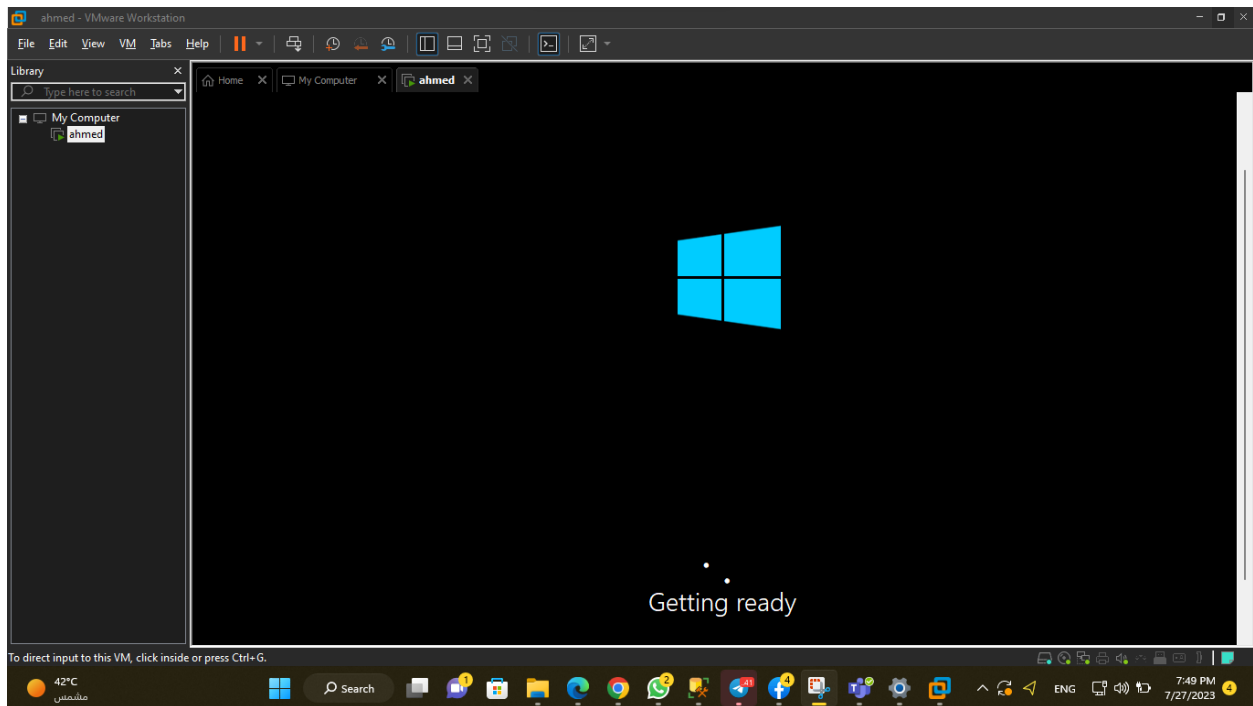- ➤ *<u>Windows OS</u>*

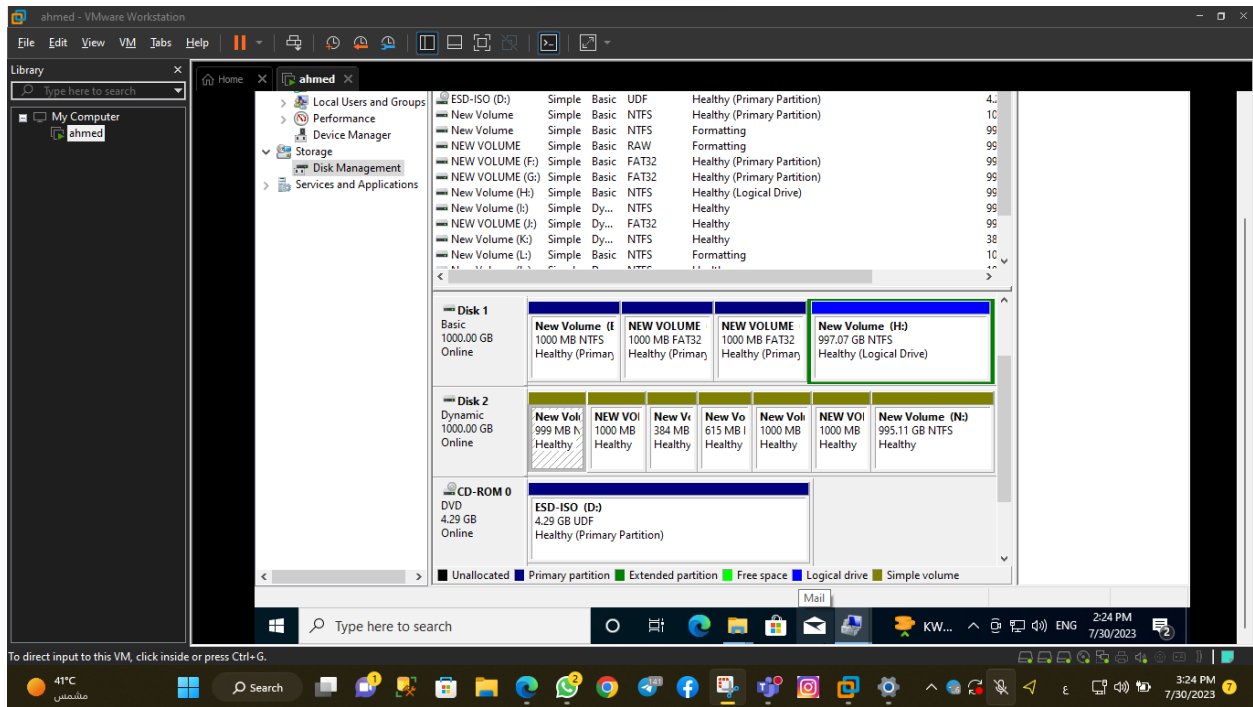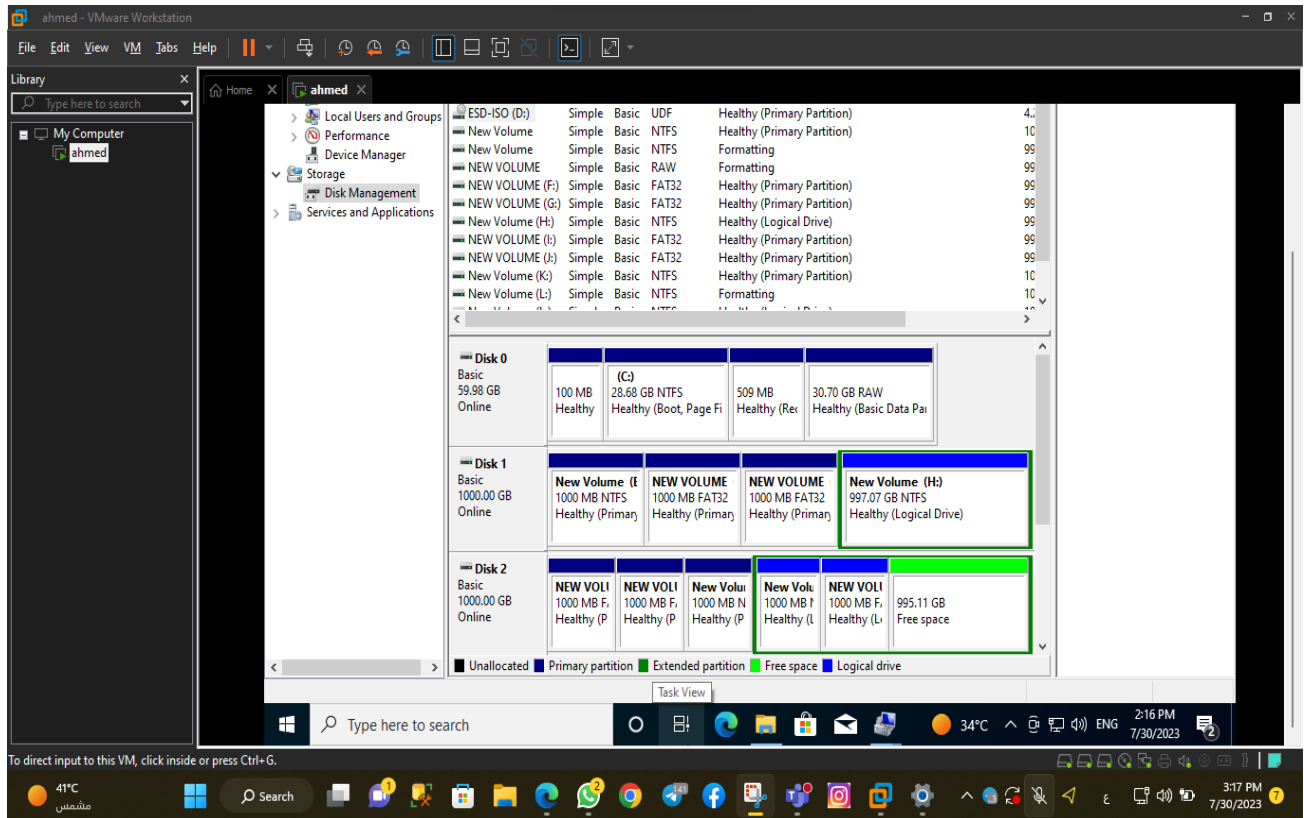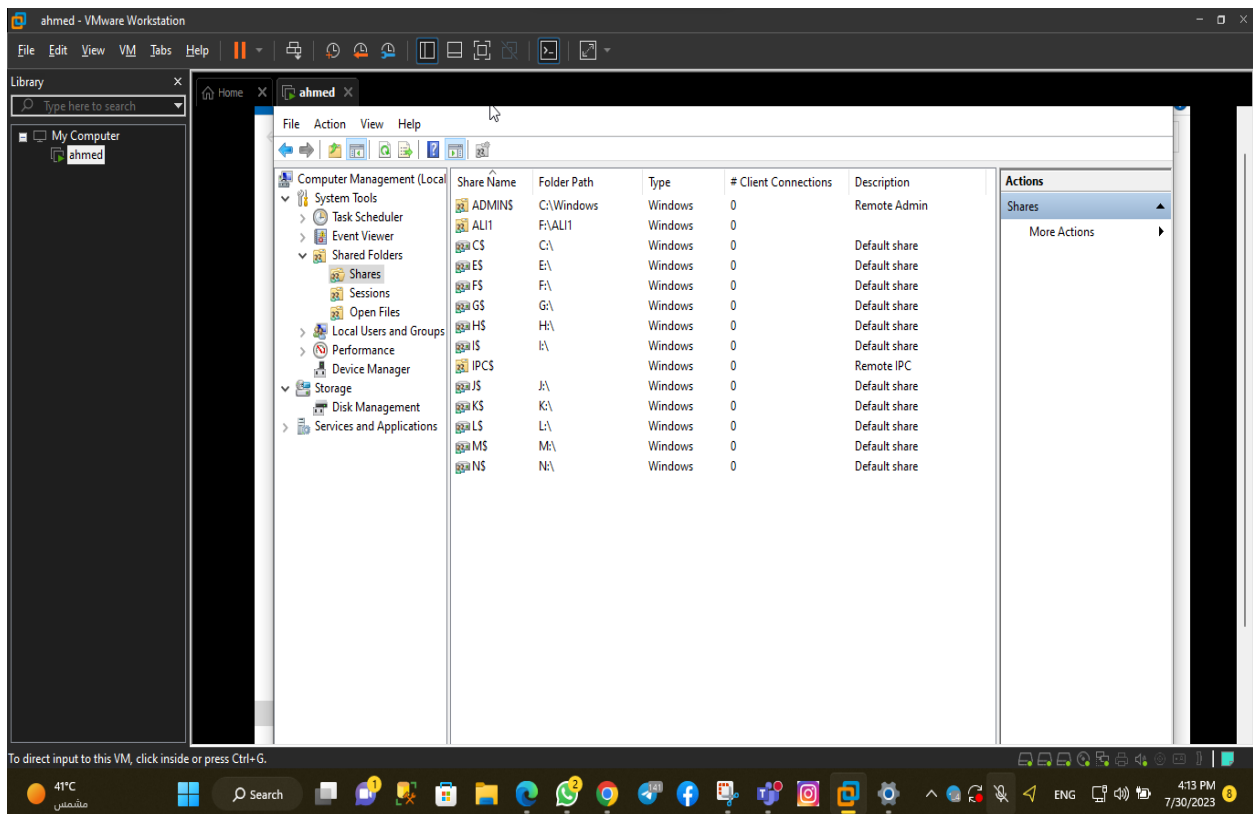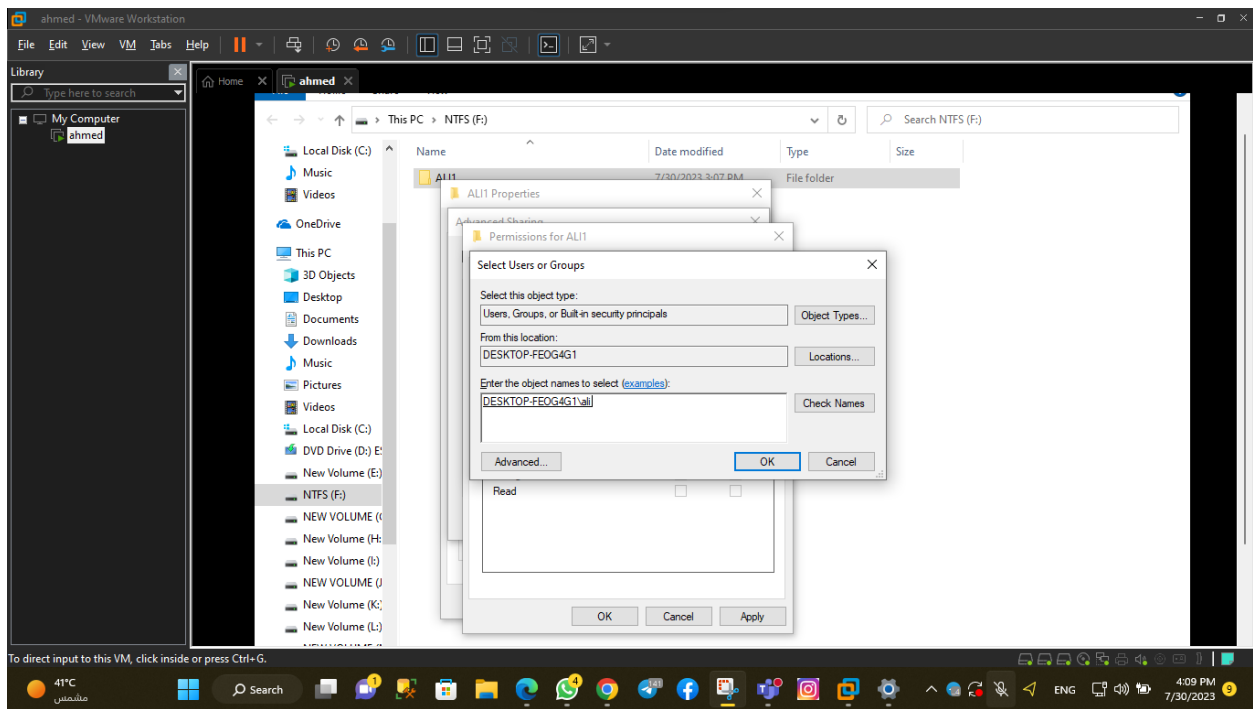- ➤ *Eng : Ahmed Sayed*

- ➤ *Ahmed Abdelgaber Mortada*

- ➤ *30/7/2023*

- **download windows 10 iso from Microsoft.**
- **Install win Download windows 10 iso from Microsoft windows 10 pro edition on vmware workstation.**
  - **Add virtual two hard disks to you VM each (1) Tera byte size .**

Screenshot 1 — ahmed - VMware Workstation

File Edit View VM Tabs Help

Library — Type here to search

My Computer — ahmed

Local Users and Groups
Performance
Device Manager
Storage
  Disk Management
Services and Applications

Volume	Type	Disk	FS	Status	
ESD-ISO (D:)	Simple	Basic	UDF	Healthy (Primary Partition)	4..
New Volume	Simple	Basic	NTFS	Healthy (Primary Partition)	10
New Volume	Simple	Basic	NTFS	Formatting	99
NEW VOLUME	Simple	Basic	RAW	Formatting	99
NEW VOLUME (F:)	Simple	Basic	FAT32	Healthy (Primary Partition)	99
NEW VOLUME (G:)	Simple	Basic	FAT32	Healthy (Primary Partition)	99
New Volume (H:)	Simple	Basic	NTFS	Healthy (Logical Drive)	99
NEW VOLUME (I:)	Simple	Basic	FAT32	Healthy (Primary Partition)	99
NEW VOLUME (J:)	Simple	Basic	FAT32	Healthy (Primary Partition)	99
New Volume (K:)	Simple	Basic	NTFS	Healthy (Primary Partition)	10
New Volume (L:)	Simple	Basic	NTFS	Formatting	10

Disk 0 — Basic — 59.98 GB — Online
- 100 MB Healthy
- (C:) 28.68 GB NTFS Healthy (Boot, Page Fi
- 509 MB Healthy (Rec
- 30.70 GB RAW Healthy (Basic Data Par

Disk 1 — Basic — 1000.00 GB — Online
- New Volume (E 1000 MB NTFS Healthy (Primary)
- NEW VOLUME 1000 MB FAT32 Healthy (Primary)
- NEW VOLUME 1000 MB FAT32 Healthy (Primary)
- New Volume (H:) 997.07 GB NTFS Healthy (Logical Drive)

Disk 2 — Basic — 1000.00 GB — Online
- NEW VOLU 1000 MB F Healthy (P
- NEW VOLU 1000 MB N Healthy (P
- New Volu 1000 MB N Healthy (P
- New Volu 1000 MB N Healthy (L
- NEW VOLU 1000 MB F Healthy (L
- 995.11 GB Free space

Unallocated Primary partition Extended partition Free space Logical drive

Task View

Type here to search

34°C ENG 2:16 PM 7/30/2023

To direct input to this VM, click inside or press Ctrl+G.

41°C مشمس   3:17 PM 7/30/2023

Screenshot 2 — ahmed - VMware Workstation

File Edit View VM Tabs Help

Library — Type here to search

My Computer — ahmed

Local Users and Groups
Performance
Device Manager
Storage
  Disk Management
Services and Applications

Volume	Type	Disk	FS	Status	
ESD-ISO (D:)	Simple	Basic	UDF	Healthy (Primary Partition)	4..
New Volume	Simple	Basic	NTFS	Healthy (Primary Partition)	10
New Volume	Simple	Basic	NTFS	Formatting	99
NEW VOLUME	Simple	Basic	RAW	Formatting	99
NEW VOLUME (F:)	Simple	Basic	FAT32	Healthy (Primary Partition)	99
NEW VOLUME (G:)	Simple	Basic	FAT32	Healthy (Primary Partition)	99
New Volume (H:)	Simple	Basic	NTFS	Healthy (Logical Drive)	99
New Volume (I:)	Simple	Basic	NTFS	Healthy	99
NEW VOLUME (J:)	Simple	Dy...	NTFS	Healthy	99
NEW VOLUME (J:)	Simple	Dy...	FAT32	Healthy	99
New Volume (K:)	Simple	Dy...	NTFS	Healthy	38
New Volume (L:)	Simple	Basic	NTFS	Formatting	10

Disk 1 — Basic — 1000.00 GB — Online
- New Volume (E 1000 MB NTFS Healthy (Primary)
- NEW VOLUME 1000 MB FAT32 Healthy (Primary)
- NEW VOLUME 1000 MB FAT32 Healthy (Primary)
- New Volume (H:) 997.07 GB NTFS Healthy (Logical Drive)

Disk 2 — Dynamic — 1000.00 GB — Online
- New Volu 999 MB N Healthy
- NEW VOL 1000 MB Healthy
- New Vo 384 MB Healthy
- New Vo 615 MB Healthy
- New Vol 1000 MB Healthy
- NEW VOL 1000 MB Healthy
- New Volume (N:) 995.11 GB NTFS Healthy

CD-ROM 0 — DVD — 4.29 GB — Online
- ESD-ISO (D:) 4.29 GB UDF Healthy (Primary Partition)

Unallocated Primary partition Extended partition Free space Logical drive Simple volume

Mail

Type here to search

KW... ENG 2:24 PM 7/30/2023

To direct input to this VM, click inside or press Ctrl+G.

41°C مشمس   3:24 PM 7/30/2023

➢ *What is the difference between Fat32 and NTFS?*

FEATURE	FAT32	NTFS
Max. File Name	8.3 Characters	255 Characters
Max. File Size	4GB	16TB
File/Folder Encryption	No	Yes
Fault Tolerance	No	Auto Repair
Security	Only Network	Local and Network
Compression	No	Yes
Conversion	Possible	Not Allowed
Compatibility	Win 95/98/2K/2K3/XP	Win NT/2K/XP/Vista/7

➢ *State what is the maximum hard disk size can used with MBR? State why?*

The maximum hard drive size of MBR is 2 TB1. MBR stands for Master Boot Record and was the default partition table format before hard drives were larger than 2 TB1. If you have a hard drive that exceeds 2 TB and you use MBR, only 2 TB of your hard drive will be accessible

> ***State what is the maximum hard disk size can used with GPT***

The maximum hard drive size of GPT is 9400000000 TB, with sector sizes of 512 (the standard size for most hard drives at this time

> ***How many RDP Connection can make in same time in win 10?***

By default, Windows 10 allows only one concurrent RDP session. However, there are ways to allow more than one RDP connection. You can use the RDP Wrapper Library project to support multiple RDP sessions on Windows 10 without replacing the termsrv.dll file or use a Group Policy setting to increase or limit the number of Remote Desktop Connections in Windows 101. If you want to connect to more than 2 users at the same time, you must install the RD session host role on your VPS