How to create and mount a Virtual Hard Disk File (VHD)

1. Open the **Computer Management** window by clicking the **Computer** or **PC** icon using the right mouse button and select **Manage**:



2. Select the Disk Management item:



Alternatively, use search in the **Start** menu or screen:



3. Open Action menu in the Disk Management window and select Create VHD:



4. Create and attach a new Virtual Hard Disk File (VHD):

Create and Attach Virtual Hard Disk				
Specify the virtual hard disk location on the machine.				
Location:				
C:\Test Disk.vhd Browse				
Virtual hard disk size: 100 MB 🗸				
Virtual hard disk format VHD 				
Supports virtual disks up to 2040 GB in size. ○ VHDX				
Supports virtual disks larger than 2040 GB in size (Supported maximum of 64 TB) and is resilient to power failure events. This format is not supported in operating systems earlier than Windows 8.1.				
Virtual hard disk type				
The virtual hard disk file is allocated to its maximum size when the virtual hard disk is created.				
O Dynamically expanding				
The virtual hard disk file grows to its maximum size as data is written to the virtual hard disk.				
OK Cancel				

5. Initialize the new virtual drive. Click the new disk icon using the right mouse button and select **Initialize Disk**:

Disk Management				
File Action	View	Help		
🗢 🔿 📧 🛛 🗊 🖬 😰 📽				
Volume		Layout	Туре	
📼 (C:)		Simple	Basic	
📼 System Resen	/ed	Simple	Basic	
Disk 1 Unknown 100 MB Not Initialized	10 Ur	0 MB nallocated		
		Initialize Disk		
CD-ROM 0 DVD (D:)		Offline Detach VHD	N2.	

6. Create a partition on the virtual drive. Click the unallocated space using the right mouse button and select **New Simple Volume**:

3	Disk Management				
File Action View	/ Help				
Volume	Layout	Туре	File System		
📼 (C:)	Simple	Basic	NTFS		
System Reserved	Simple	Basic	NTFS		
Disk 1 Basic 99 MB Online	99 MB Jnallocated				
Disk 1 Basic 99 MB Online	99 MB Jnallocated New Sin	nple Volume			
Disk 1 Basic 99 MB Online	99 MB Jnallocated New Sin New Spa	nple Volume anned Volum			

7. Optionally encrypt the new virtual drive by BitLocker. Click the drive in Explorer using the right mouse button and select **Turn on BitLocker**:

🖳 This PC	 Devices and drives (3) 		
👊 Network	📥 Local Disk (C:)		Local Disk
*	🔮 DVD Drive (D:)		CD Drive
	👝 New Volume (E:)		Local Disk
			Open
			Open in new window
9 items 1 item selected		۲	Turn on BitLocker
			Open AutoPlay

If you do not see the **Turn on BitLocker** menu item, search for BitLocker or encryption in the Start menu or screen. If unsuccessful, open the System Control Panel and select 'Get more features with a new edition of Windows' link.

8. To dismount the new drive, click the drive using the right mouse button in **Explorer** and select **Eject**:



▶ This PC → Local Disk (C:) → Size Name Type Favorites **Program Files** File folder 💻 This PC Users File folder Windows File folder 👊 Network 👝 Test Disk Hard Disk Image File 102,401 KB Mount 63 Open with...

To mount the drive again, double click the Virtual Disk File (requires Windows 8 or later):

Alternatively, use Attach VHD in the Action menu of the Disk Management window:

2	Computer Management				
File	Action	View Hel	lp		
= 🧼	Ret	fresh	K 📽 🖻 風 😼		
🗶 Ci	Re	scan Disks	Volume		
⊳ 🕅	Cre	ate VHD	📼 (C:)		
⊿ 😤	Att	ach VHD	System Reserved		
⊳ 🖥	All	Tasks	•		