# **Backing Up a Computer**

With Windows 10

# How to Create a Windows Backup System Image

# Go to Settings - Update & security -Backup

← Settings	×	
ශී Home	Back up using File History	
Find a setting	Back up your files to another drive and restore them if the originals are lost, damaged, or deleted.	
Update & security	Add a drive	Click More options
$\bigcirc$ Windows Update	More options	· ·
Windows Defender	Looking for an older backup?	
→ Backup	If you created a backup using the Windows 7 Backup and Restore	
C Recovery	Go to Backup and Restore (Windows 7)	
<ul> <li>⊘ Activation</li> </ul>		
泴 Find My Device		
₩ For developers		
$\mathcal{P}_{\mathbf{g}}$ Windows Insider Program		

### **Click See avanced settings**

← Settings	-	
Backup options		
Related settings		
See advanced settings		
Restore files from a current backup		

## Click System image backup



# Click Create a system image

See also	Backup and Restore (Windows 7)		-		×	•
Control Panel Home Back up or restore your files   Create a system image Backup   Create a system repair disc Windows Backup has not been set up.   Restore Windows could not find a backup for this computer.   Windows could not find a backup to restore files from	$\leftarrow \hspace{0.1 cm}  ightarrow \hspace{0.1 cm} \bigstar \hspace{0.1 cm} \wedge \hspace{0.1 cm} \textcircled{\hspace{0.1 cm}}{}^{\hspace*{1 cm}} \hspace{0.1 cm} \hspace{0.1 cm}$	ecurity > Backup and Restore (Windows 7)	Search Control Panel		Q	/
Create a system image Backup Create a system repair disc Windows Backup has not been set up. Restore Windows could not find a backup for this computer. See also Security and Maintenance File History Backup Backu	Control Panel Home	Back up or restore your files			0	
Create a system repair disc Windows Backup has not been set up.  Restore	Create a system image	Backup	•	12 13	-	
Restore       Windows could not find a backup for this computer.         Image: Select agother backup to restore files from         Select agother backup to restore files from         Security and Maintenance         File History	Create a system repair disc	Windows Backup has not been set up.	Set u	ıp backup		
Windows could not find a backup for this computer.         Image: Select agother backup to restore files from         Select agother backup to restore files from         Security and Maintenance         File History		Restore				
See also Security and Maintenance File History		Windows could not find a backup for this computer.				
See also Security and Maintenance File History		Select another backup to restore files from				
See also Security and Maintenance File History	$\backslash$					
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Security and Maintenance File History	See also					
File History	Security and Maintenance					
	File History					

# Modify or accept the default location and click Next

←	💰 Create a system image	
	Where do you want to save the backup?	
	A system image is a copy of the drives required for Windows to run. It can also include additional drives. A system image can be used to restore your computer if your hard drive or computer ever stops working; however, you can't choose individual items to restore.	
	<ul> <li>On a hard disk</li> <li>Local Disk (D:) 52.87 GB free</li> </ul>	
	○ On one or more <u>D</u> VDs	
	O On a network location	
	<u>N</u> ext Cancel	

# Click Start backup

🔹 Create a system image	×
Confirm your backup settings	
Backup location:	
Local Disk (D:)	
The backup could take up to 47 GB of disk space.	
1 Any existing system images for this machine might be overwritten.	
The following drives will be backed up:	
(C:) (System)	
Windows Recovery Environment (System)	
Start backup	Cancel

# The system image progress bar will show

🖄 Create a system image	<u>62</u>		×
Windows is saving the backup			
Preparing to create backup			
	<u></u>	top backup	D

# When complete, success or failure will be indicated, but most of the time failure with a complete progress bar is still good

💐 Create a system image		8	×
The backup failed.			
Windows Backup failed to create the shadow copy	on the storage location.	(0x8078003	34)
Additional Information: The shadow copy provider had an error. Check the more information. (0x80042306)	System and Application	event <mark>l</mark> ogs t	for
		<u>C</u> lose	

# How to View the Contents of a Windows System Backup Image

### Locate the Windows Image Backup Folder

Local Disk (D:)

1 4 1			Search Eocar Dish	(D.)
Juick accord	Name A	Date modified	Туре	Size
	✓	10/21/2016 11:04 AM	File folder	
Downloads	autorun	2/10/2006 3:38 PM	Setup Information	
Downloads x	CarrollBackup.tib	10/10/2016 8:37 AM	TIB File	12,106,
Documents 🚿	🌮 Local Disk (C) - Shortcut	10/21/2016 10:34 AM	Shortcut	
Pictures 🕺	v mxoicon3	2/13/2006 11:19 AM	lcon	
Music				
Videos				
neDrive				
his PC				
ocal Disk (D:)				
letwork				
lomegroup				

Opening the Windows Image Backup folder reveals a folder with the computer name

📕 🛛 🔁 📮 🛛 Windowsl	ImageBackup		<u>~</u>	
File Home Share	View			~ (?
← → ∽ ↑ 📕 > Th	iis PC 🔹 Local Disk (D:) 🔹 WindowsImageBackup 💈	~	<b>ট</b> Search WindowsIma	ageBackup 🔎
📌 Quick access	Name ^	Date modified	Туре	Size
🔚 Desktop 🖈	TABLET-RIF80531	10/21/2016 11:29 AM	File folder	
📜 Downloads 🛛 🖈				
🋃 Documents 🛛 🖈				
🛵 Pictures 🛛 🖈				
🜗 Music				
📕 Videos				
⁄ OneDrive				
S This PC				
< Local Disk (D:)				
学 Network				
• <b>{</b> Homegroup				
	<			>
1 item 1 item selected				

Opening the folder with the computer name reveals the backup folder with the date of the backup

📕   🛃 📕 🗢   TABLET-R	IF80531		<u>~</u>		×
File Home Share	View				~ ?
← → <b>→</b> ↑ 🖡 « Lo	ocal Disk (D:) > WindowsImageBackup > TABL	et-RIF80531 > V	Search TABLET-RIF	80531	Q
	Name ^	Date modified	Туре	Size	
	🗹 📙 Backup 2016-10-21 160435	10/21/2016 11:29 AM	File folder		
Desktop	Catalog	10/21/2016 11:29 AM	File folder		
Documents *	Logs	10/21/2016 11:29 AM	File folder		
- Dicturos	SPPMetadataCache	10/21/2016 11:29 AM	File folder		
<ul> <li>Music</li> <li>Videos</li> <li>OneDrive</li> <li>This PC</li> </ul>	Mediald	10/21/2016 11:04 AM	File		1 KB
<ul> <li>✓ Local Disk (D:)</li> <li>✓ Network</li> <li>✓ Homegroup</li> </ul>					
	<			Г	>
5 items 1 item selected					

**Opening the** backup folder reveals the hard disk image files and other documents. In Windows 10, you can double click a disk image, whether VHD or ISO, to attach (or mount) it as a disk drive for access.

· · · 🕨	« IAB	SLET-KIF80531 > Backup 2016-10-21 160435	~	Search Backup 20'	16-10-21 16
Quick access		Name A	Date modified	Туре	Size
	+	🗹 🥪 46db579a-10d1-4f6e-be72-5e08b788c9c7	10/24/2016 11:55 AM	Hard Disk Image File	41,805,824
	4	🖹 7682bc35-8890-4e6a-b40b-8126da5da73a	10/21/2016 11:29 AM	XML Document	1
Downloads	~	🖹 7682bc35-8890-4e6a-b40b-8126da5da73a	10/21/2016 11:29 AM	XML Document	14
di Documents	R	🖹 7682bc35-8890-4e6a-b40b-8126da5da73a	10/21/2016 11:29 AM	XML Document	7
<sub> S</sub> Pictures	Å	🖹 7682bc35-8890-4e6a-b40b-8126da5da73a	10/21/2016 11:29 AM	XML Document	6
🔥 Music		🖹 7682bc35-8890-4e6a-b40b-8126da5da73a	10/21/2016 11:29 AM	XML Document	2
📕 Videos		🖹 7682bc35-8890-4e6a-b40b-8126da5da73a	10/21/2016 11:29 AM	XML Document	2
		🖹 7682bc35-8890-4e6a-b40b-8126da5da73a	10/21/2016 11:29 AM	XML Document	3
S- Oliephive		7682bc35-8890-4e6a-b40b-8126da5da73a	10/21/2016 11:29 AM	XML Document	6
S This PC		🖹 7682bc35-8890-4e6a-b40b-8126da5da73a	10/21/2016 11:29 AM	XML Document	6
Selocal Disk (D:)		7682bc35-8890-4e6a-b40b-8126da5da73a	10/21/2016 11:29 AM	XML Document	5,389
Local Disk (D.)		🥪 b02af7d7-e6f8-49c8-8b40-2284f944c16a	10/21/2016 11:29 AM	Hard Disk Image File	491,520
Vetwork		BackupSpecs	10/21/2016 11:29 AM	XML Document	2
• <b>﴿</b> Homegroup		🥪 Esp	10/21/2016 11:29 AM	Hard Disk Image File	124,928

#### Couldn't Mount File



The disk image isn't initialized, contains partitions that aren't recognizable, or contains volumes that haven't been assigned drive letters. Please use the Disk Management snap-in to make sure that the disk, partitions, and volumes are in a usable state.



Double clicking the hard disk image file for the first time may result in this message

### Typing Disk Management in the search bar gives these results.



The Create and format hard disk partitions in **Control Panel is** what we want.

The disk information is displayed in a list at the top and a diagram at the bottom. Click on the disk drive where the backup is located and under Action in the menu, choose Attach VHD.

				10.1	<b>a i</b>	[	0.5	-
ume	Layout	Type	File System	Status	Capacity	Free Spa	% Free	
	Simple	Basic		Healthy (E	260 MB	260 MB	100 %	
	Simple	Basic	NITEC	Healthy (R	803 MB	803 MB	100 %	
(6)	Simple	Basic	NIFS	Healthy (P	118.18 GB	78.43 GB	00 %	
(C:)	Simple	Basic	NIFS	Healthy (B	118.18 GB	79.34 GB	0/ %	
(D:)	Simple	Basic	NIFS	Healthy (A	111.79 GB	53.00 GB	48 %	
Disk 0								
Disk 0			(C:)					
Disk 0 sic 9.23 GB	260 MB Healthy (EFI Syst	tem Part	(C:) 118.18 GB NTFS Healthy (Boot, P	age File, Crash Du	ump. Primary P	artition Health	B Ny (Recovery	Partition)
• Disk 0 sic 9.23 GB iline	260 MB Healthy (EFI Syst	tem Part	<b>(C:)</b> 118.18 GB NTFS Healthy (Boot, F	age File, Crash Du	ump, Primary P	artition 803 M Health	B ny (Recovery	Partition)
Disk 0 sic 9.23 GB lline Disk 1	260 MB Healthy (EFI Syst	tem Part.	<b>(C:)</b> 118.18 GB NTFS Healthy (Boot, P	age File, Crash Du	ump, Primary P	artition 803 M Health	B ny (Recovery	Partition)
Disk 0 sic 9.23 GB lline Disk 1 sic	260 MB Healthy (EFI Syst	tem Part	<b>(C:)</b> 118.18 GB NTFS Healthy (Boot, P	age File, Crash Du	ımp, Primary P	artition 803 M Health	B ny (Recovery	Partition)

Unallocated Primary partition

Browse to find the virtual hard disk image to attach and click OK.

Attach Virtual Hard Disk		×			
Specify the virtual hard disk location on t	he computer.				
Location:					
D:\WindowsImageBackup\TABLET-RIF80531\Backup 2					
Read-only.					
	ОК	Cancel			

The virtual hard drive image will now appear as a new disk drive in Disk Management. Select the new disk and under Action - All tasks, choose **Change Drive** Letter and Paths.

📅 Disk Managem	ent					- 🗆		×
File Action Vie	ew <u>H</u> elp							
Disk	Туре	Capacity	Unallocated Space	Status	Device Type	Partition Sty	le	
📟 Disk 0	Basic	119.23 GB	7 MB	Online	SATA	GPT		
💳 Disk 1	Basic	111.79 GB	2 MB	Online	USB	MBR		
Disk 2	Basic	118.20 GB	20 MB	Online	File Backed Virtual	GPT		
<b>— Disk 0</b> Basic 119.23 GB	260 MB	(C:)	8 GR NTES		803 MP			
Online	Healthy (EFI Syst	em Partit Healt	hy (Boot, Page File, Crash D	ump, Primary	Partition) Health	y (Recovery Pa	rtition	)
Basic 111.79 GB Online	asic (D:) 11.79 GB 111.79 GB NTFS Inline Healthy (Active, Primary Partition)							
<b>Disk 2</b> Basic 118.20 GB Online	118.18 GB NTFS Healthy (Primary	Partition)				20 MB Unallocated		
Unallocated	Primary partition							

### Click Add...

Change Drive Letter and Paths for 121018 MB NTFS Simple Vo... imes

Allow access to this volume by using the following drive letter and paths:

Add	Change	Remove	
V Vad bad		100000	

**Click OK to** accept the default drive letter or use the drop down list to change it first and then click OK.



The newly assigned drive letter for the virtual hard drive will now appear with a list of the contents. **Right-click on** the drive letter and choose Eject to detach (or unmount) the drive when done.

↓ 2 ↓ = ↓	Drive Tools Local Disk (E:)			- 🗆 X
File Home Share	View Manage			~
$\leftarrow \rightarrow \checkmark \uparrow \diamond >$ Th	iis PC 🔹 Local Disk (E:) 🔉	~	U Search Loo	cal Disk (E:)
🛵 Pictures 🛛 🖈 🔨	Name ^	Date modified	Туре	Size
📕 Backup 2016-10	📕 inetpub	9/1/2016 1:13 PM	File folder	
🔈 Music	My File Backup	9/11/2016 5:13 PM	File folder	
🖪 Videos	PerfLogs	7/16/2016 6:47 AM	File folder	
> 🙆 OneDrive	📜 Program Files	9/18/2016 1:05 PM	File folder	
- Onebine	📕 Program Files (x86)	9/18/2016 1:05 PM	File folder	
🗙 🝃 This PC	SWSetup	10/13/2016 10:19 AM	File folder	
> 📜 Desktop	Users	9/1/2016 10:25 AM	File folder	
> 🔏 Documents	Windows	10/13/2016 1:18 PM	File folder	
> 🗦 Downloads				
> 🜗 Music				
> 😹 Pictures				
> 🖪 Videos				
> 🐛 Local Disk (C:)				
> 🗢 Local Disk (D:)				
🔉 🥪 Local Disk (E:)				
> < Local Disk (D:)				
> 🇳 Network				
> • Homegroup	<			>
8 items				

