

# **EaseUS<sup>®</sup>** Disk Copy User Guide





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## Welcome

Thank you very much for choosing **EaseUS Disk Copy**.

**Disk Copy** allows you to clone source disk/partition(s) to the target disk/partition(s) "as is" or resized proportionally. It is possible to clone a larger disk to a smaller one, provided that the smaller hard disk has enough capacity to fit the contents of the larger disk.

Disk Copy can be run from a live Windows operating system or a bootable disk based on Windows WinPE.

## Glossary

#### **Disk and Partition**

A partition can be thought of as a division or "part" of a real hard disk drive, and it is really only a logical separation from the whole drive. Partitions are also sometimes called disk partitions and when someone uses the word drive, they usually mean a partition with a drive letter assigned.

#### Sector by Sector copy

A sector by sector copy ensures that destination hard disk/partition is exactly the same as source hard disk/partition. With this option enabled Disk Copy will replicates all the sectors, even if the sector is blank or it is a logically bad sector. As a result, the target will be equal in size to the disk being cloned after the process.

## **Getting Started**

This part outlines basic parameters to use **EaseUS Disk Copy.** It is to help you acquire a general understanding before you get started.

### **Hardware Requirements**

The list below shows the necessary requirements of Disk Copy.

- 800 MHz processor or faster
- A minimum of 1 GB RAM
- CD-R/RW, DVD-R/RW, DVD+R/RW or DVD+R DL drive for bootable media creation
- PS/2 or USB 1.1/2.0/3.0 Mouse and Keyboard
- A minimum of 1GB available space on the hard disk

### System Requirements

Make sure you are running any one of listed operating systems:

- Windows XP
- Windows Vista
- Windows 7
- Windows 8
- Windows 8.1



- Windows 10
- Windows Server 2003/2008/2012/2016
- Windows Small Business Server 2003/2018/2011
- Windows Home Server 2011

### **File System Supported**

**EaseUS Disk Copy** supports file systems, including FAT12, FAT16, FAT32, NTFS and EXT2/3. Other files systems are shown to be **unknown**.

### **Devices Supported**

EaseUS Disk Copy supports the type of disk as below:

- Parallel ATA (IDE) HDD
- Serial ATA (SATA) HDD
- External SATA (eSATA) HDD
- SCSI HDD
- All levels of SCSI, IDE and SATA RAID controllers
- USB 1.0/2.0/3.0 HDD
- IEEE 1394 (FireWire) HDD
- SATA SSD/PCI-E SSD/mSATA SSD/M.2 SSD

MBR and GPT hard disk, Basic and Dynamic hard disk are supported. EaseUS Disk Copy can support up to 16TB hard disk and 32 disks at most.

### Language Supported

- English
- German
- Spanish
- French
- Italian
- Portuguese
- Polish
- Japanese
- Chinese (Traditional)
- Chinese (Simplified)
- Korean

### **Edition Comparison**

EaseUS provides two paid editions of Disk Copy, Pro and Technician edition. Both of them can be converted from EaseUS Disk Copy Demo edition by filling in a purchased license code.

**Pro Edition** - The license is intended to use the software only on one computer and for your own personal use.

**Technician Edition** - It allows unlimited usage for multiple customers by one independent technician only who is defined as an independent managed service provider. After serving your customers, EaseUS Disk Copy Technician Edition should be Removed.



#### Tips:

Disk Copy provides the demo edition for testing. It is able to make a plan, but it cannot apply the real operation.

	Pro	Technician
Disk/partition clone	•	•
Sector level clone	•	•
WinPE bootable disk	•	•
License type	Single license	Technician
Business usage	-	•

#### **Feature Comparison**

## **Activation**

An activation window is prompted when you launch EaseUS Disk Copy Demo first time. Enter the code consisted of 25 digits and letters in Demo to upgrade to full version.

Activate now		×
Features	Pro	Technician
Disk/Partition copy	<b>~</b>	✓
Sector level copy	<b>~</b>	<ul> <li>✓</li> </ul>
Business usage	~	✓
Capable of delivering technical service to clients	_	<ul> <li>✓</li> </ul>
	\$59.9	\$259
	Lifetime $\vee$	Lifetime $\lor$
	Buy Now	Buy Now
Current license: Not Activated! License code:		Activate now Later



Click **Later** to start the demo experience. Click the icon of shopping cart on top menu to get back activation window.

EaseUS Disk Copy	y Demo				-	□ ×
Disk Mode Par	rtition Mode			ଦ Cr	eate boot	able disk
Disk 0 111.79 GB Dynamic 49	: (Other *: (FAT32 *: (Oth 99.00 N 100.00 N 16.00	ner C: (NTFS) ME 111.19 GB				
Disk		Size	Mode			
Disk 0		111.79 GB	KINGSTON SV300S37A120G A	TA Bus		
Disk 1		931.51 GB	ST1000DM003-1ER162 ATA Bu	15		
Sector by sector	r copy			Next		Exit

## **Disk Clone**

**Disk Clone** copies one disk to another and makes the data on 2 disks are completely the same.

#### Read me before starting the clone:

1. The size of destination disk should be equal or larger than the source disk when using sector by sector clone.

2. It is possible to clone a larger disk to a smaller one if the smaller hard disk has enough capacity to fit the contents of the larger disk and you did not tick "Sector by sector copy" option.

3. All data on destination disk will be erased.

#### Four Steps for disk clone:



1. Choose "Disk mode" and select a source disk, then click "Next".

EaseUS Disk C	Copy Pro					T	_		×
Disk Mode	Partition Mode					Q (	Create bo	ootable d	lisk
Disk 0 60.00 GB Basic GPT	*: (Other) 450.00 ME 99.00 MB								
Disk		Si	ze		Device				
Disk 0		60.	00 GB		VMware, VMware Virtual S Se	rial Attache	ed SCSI (SA	κS)	
Disk 1		60.	00 GB		VMware, VMware Virtual S Se	rial Attache	ed SCSI (SA	NS)	
Disk 2		10.	00 GB		VMware, VMware Virtual S Se	erial Attache	ed SCSI (SA	\S)	
Sector by see	ctor copy					Nex	t	Exit	
	Disk O 60.00 GB Basic GPT Disk 0 Disk 1 Disk 2	Disk 0 60.00 GB Basic GPT *: (Other) *: (FAT32) 450.00 ME 99.00 MB Disk Disk 0 Disk 1	Disk Mode Partition Mode Disk 0 60.00 GB Basic GPT *: (Other) *: (FAT32) 15.00 MB Disk 0 Disk 0 0 15.00 MB 16.00 MB 10.00 MB	Disk Mode         Partition Mode           Disk 0         ••••••••••••••••••••••••••••••••••••	Disk Mode         Partition Mode           Disk 0         ••••••••••••••••••••••••••••••••••••	Disk O 60.00 GB Basic GPT *: (Other) *: (FAT32) 16.00 MB 59.45 GB Disk O 60.00 GB VMware, VMware Virtual S Se Disk O 60.00 GB VMware, VMware Virtual S Se Disk 1 60.00 GB VMware, VMware Virtual S Se Disk 2 10.00 GB VMware, VMware Virtual S Se	Disk Mode Partition Mode C: OTFS) Basic GPT C: (OTFS) 450.00 ME 99.00 ME 59.45 GB Disk Size Disk Size Disk O 60.00 GB VMware, VMware Virtual S Serial Attache Disk 1 60.00 GB VMware, VMware Virtual S Serial Attache Disk 2 10.00 GB VMware, VMware Virtual S Serial Attache	Disk Mode Partition Mode C Create bo C ContrS) Basic GPT *: (0Ther) *: (FAT32) *: (0Ther) C: (NTFS) Basic GPT *: (0Ther) *: (FAT32) *: (0Ther) C: (NTFS) Disk Size Device Disk 0 60.00 GB VMware, VMware Virtual S Serial Attached SCSI (54 Disk 1 60.00 GB VMware, VMware Virtual S Serial Attached SCSI (54 Disk 2 10.00 GB VMware, VMware Virtual S Serial Attached SCSI (54 Disk 2 10.00 GB VMware, VMware Virtual S Serial Attached SCSI (54 Disk 2 10.00 GB VMware, VMware Virtual S Serial Attached SCSI (54	Disk 0 Partition Mode     0.00 CB   3sic GPT   10ther)   10ther)

#### Note:

Check the "Sector by sector copy" option if you need a sector level clone.

2. Choose a destination disk and then click "Next".



0			
🙆 EaseUS Disk Copy Pro		• —	
Source: Disk 0 *: *: *: C: 📫 Target:	Disk 1 *: *: *: *:		
Disk 1			
60.00 GB Basic GPT *: (Other *: (FAT32, *: (Other 450.00 M 99.00 MB 16.00 M			* <b>*: (Unall</b> 11.75 MB
Disk	Size	Device	
Disk 0	60.00 GB	VMware, VMware Virtual S Serial Attached SCSI (SAS)	
Disk 1	60.00 GB	VMware, VMware Virtual S Serial Attached SCSI (SAS)	
Disk 2	10.00 GB	VMware, VMware Virtual S Serial Attached SCSI (SAS)	
Sector by sector copy		Back Next	Exit

A warning message tells you that the data on the destination disk will be overwritten. Click the "**OK**" to continue if you do not have important data on the destination disk.



EaseUS Disk Copy Pro			
Source: Disk 0 *: *: *: C: 📫 Target:	Disk 1 *: *: *: *:		
Disk 1			
60.00 GB Basic GPT *: (Other *: (FAT32 *: (Other 450.00 M 99.00 MB 16.00 M	er *: (FAT32) 18 59.43 GB		* *: (Unall 11.75 MB
Disk	Size	Device	
Disk 0	60.00 GB	VMware, VMware Virtual S Serial Attached SCSI (SAS)	
Disk 1	60.00 GB	VMware, VMware Virtual S Serial Attached SCSI (SAS)	
Disk 2	Disk Copy The data on the target disk/partition will be want to continue?	e erased. Do you	
Sector by sector copy		Back Next	Exit

3. Edit the disk layout and then click the " $\ensuremath{\text{Proceed}}$ " to continue.



EaseUS Disk Copy Pro	•	_		×
Source disk layout				
Disk 0         Image: Constraint of the constraint o				
Target layout after copy	Copy as the Copy as the			2
Disk 1         Image: Constraint of the constraint o	Edit disk laye	out		
Check the option if the target is SSD				
Ba	ack Procee	ed	Exit	

"Copy as the source" doesn't change anything on destination disk and the layout is same as source disk.

"Edit disk layout" allows you manually resize/move partition layout on this destination disk.

#### Note:

Check the optimization for SSD option if the target disk is SSD.

4. Finish the cloning.



EaseUS Disk Copy Pro	·	_		×
Estimated time remaining: 00:16:34	Flar	osed time:	00:04	:09
11%				
Initializing copy, please wait Copy completed. Copying volume. Checking Partition Copy Source Partition Commit Copy to Target Partition Copy completed. Copy volume via sector by sector.	Canc	el	Exit	

#### Note:

If the source disk is a system disk, you are suggested to disconnect the source disk then boot this computer from the cloned disk.

## **Partition Clone**

**Partition Clone** copies source partition to destination partition or unallocated space and makes the data on source and destination are completely the same.

#### Read me before starting the clone:

1. The size of target partition should be equal or larger than the source partition when using sector by sector clone.

2. It is possible to clone a larger partition to a smaller one if the smaller partition has enough capacity to fit the contents of the source partition and you did not tick "Sector by sector copy" option.



3. All data on destination partition will be erased.

#### Four Steps for partition clone:

1. Choose "Partition mode" and select a source partition, then click "Next".

Disk Mode	Partition N	lode						ଦ୍ୱ Cr	eate boo	otable d
Disk 0 60.00 GB Basic GPT	*: (Other) 450.00 ME	*: (FAT32) 99.00 MB	*: (Other) 16.00 MB	<b>C: (N</b> 59.45	<b>ПГБ)</b> 5 GB					
Partition Disk 0(60.00 GB,	Basic, GPT)		File Syst	em	Size	Status	Туре			
<b>—</b> (*:)			Other		450.00 MB free of 450.00 MB		Primary			
<b>—</b> (*:)			FAT32		68.45 MB free of 99.00 MB	System	Primary			
<b>—</b> (*:)			Other		16.00 MB free of 16.00 MB		Primary			
🏪 (C:)			NTFS		32.66 GB free of 59.45 GB	Boot	Primary			
Disk 1(60.00 GB,	Basic, GPT)									
<b></b> (*:)			Other		450.00 MB free of 450.00 MB		Primary			
<b>—</b> (*:)			FAT32		72.74 MB free of 99.00 MB		Primary			
<b></b> (*:)			Other		16.00 MB free of 16.00 MB		Primary			

#### Note:

Check the "Sector by sector copy" option if you need a sector level clone.

2. Choose a destination partition and then click "Next".



Source: Disk 0 C: 📫 Targ	et: Disk 1 *:					
Disk 1 60.00 GB Basic GPT *: (Other) *: (FAT 450.00 ME 99.00 I		<b>Unallocated)</b> 15 GB				
Partition	File System	Size	Status	Туре		
Disk 0(60.00 GB, Basic, GPT)	Other	450.00 MB free of 450.00 MB		Primary		
<b>(*:</b> )	FAT32	68.45 MB free of 99.00 MB	System	Primary		
<b>(*</b> :)	Other	16.00 MB free of 16.00 MB		Primary		
<u>"</u> (С:)	NTFS	32.66 GB free of 59.45 GB	Boot	Primary		
Unallocated	Unallocated	1007.50 KB free of 1007.50 KB		Primary		
Disk 1(60.00 GB, Basic, GPT)	Other	450.00 MB free of 450.00 MB		Primary		
<b></b> (*:)	FAT32	72.74 MB free of 99.00 MB		Primary		
<b>—</b> (*:)	Other	16.00 MB free of 16.00 MB		Primary		
Unallocated	Unallocated	59.45 GB free of 59.45 GB		Primary		
Sector by sector copy				Back	Next	Exit

4. Edit the disk layout and then click the " $\ensuremath{\text{Proceed}}$ " to continue.



BaseUS Disk Copy Pro	T	_		×
Source disk layout				
Disk 0         Image: Constraint of the constraint o				
Target layout after copy	Conves the Autofit the d	lisk		4
Disk 1         Image: Constraint of the state of th	Copy as the Edit disk lay			
Check the option if the target is SSD				
	Back Proce	ed	Exit	

"Autofit the disk" resize the layout on destination disk according to the size of it to make the disk as the best status.

"Copy as the source" do not change anything on destination disk and the layout is same as source disk.

"Edit disk layout" allows you manually resize/move partition layout on this destination disk.

Note:

Check the optimization for SSD option if the target disk is SSD.

4. Finish the cloning.



EaseUS Disk Copy Pro		·	_		×
Estimated time remaining: 00:04:44	 32%	Ela	psed time	: 00:02:	14
Initializing copy, please wait Drive letter: A Copying volume. Checking Target Partition Copy Source Partition					
		Can	cel	Exit	1

## WinPE Bootable Disk

**WinPE Bootable disk** is able to be created with a paid edition, and it can be used to boot a computer into WinPE environment to clone disk/partition.

### **Create a bootable disk**

Click the "**Create bootable disk**" on main interface, and select one option (USB or CD/DVD) to create the bootable disk.



🙆 EaseUS Disk	Copy Pro		• – 🗆 X				
Disk Mode	Partition Mode		Create bootable disk				
Disk 0 60.00 GB Basic GPT	*: (Other)         *: (FAT32)         *: (Oth 450.00 MI           99.00 MB         16.00						
Disk		Size	Device				
Disk 0		60.00 GB	VMware, VMware Virtual S Serial Attached SCSI (SAS)				
Disk 1		60.00 GB	VMware, VMware Virtual S Serial Attached SCSI (SAS)				
Disk 2		10.00 GB	VMware, VMware Virtual S Serial Attached SCSI (SAS)				
Sector by se	ector copy		Next Exit				

Create Emergency Disk				×
	2 (Car Diald litera LICE 2.0. E.)			
USB	3 (SanDiskUltra USB 3.0, F:)	~		
O CD/DVD	CD/DVD device not found.	$\sim$		
Create ISO	C:\Users\KK\Desktop\Emergencydisk.iso		Browse	
		Creat	e	Cancel



You can also export the ISO file with '**Create ISO**' option. Select this option and click '**Browse**' to specify a location for the ISO file storage. The ISO file can be used to burn a bootable Disk Copy CD/DVD or USB drive with any operating system using a burning software of your choice as far as it supports creating bootable disk from an ISO image.

Create Emergency Disk	×
Estimated time remaining: 00:00:00	Elapsed time: 00:02:04
100%	
Creating WinPE ISO Exporting WinPE ISO WinPE ISO has been successfully exported.	
	Finish

After having accomplished these steps you will have the bootable Disk Copy disc or USB drive ready. From this disk you can start Disk Copy on any PC with a bootable CD/DVD or USB drive as described in <u>Booting from the bootable CD/DVDs or USB Drive</u>.

### Boot from the bootable disk

Insert the bootable Disk Copy bootable disk into the corresponding drive. Switch on the computer or reboot it. Make sure that the BIOS boots from the respective drive.



Main	Advanced	Security	Power	Boot	Exit
CD-	ROM Drive				Item Specific Help
+Ren +Har	ovable Device: d Drive work boot from		70A		Keys used to view or configure devices: <enter> expands or collapses devices with a + or - <ctrl+enter> expands all <shift +="" 1=""> enables or disables a device. &lt;+&gt; and &lt;-&gt; moves the device up or down. <n> May move removable device between Hard Disk or Removable Disk <d> Remove a device</d></n></shift></ctrl+enter></enter>

After booting from the bootable Disk Copy disk, the main interface of Disk Copy shows on the screen.

🙆 EaseUS Disk	Сору			_		×
Disk mode	Partition mode					
Disk 0						
60.00 GB Basic MBR	<b>C: (NTFS)</b> 60.00 GB					
Disk		Size	Device			
Disk 0		60.00 GB	VMware, VMware Virtual S Serial Atto	tched SCSI (SA	S	
Sector by se	ector copy		Λ	lext	Exit	
Sector by se	ессог сору		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ext	LXII	



Please select a clone mode to start cloning, the operation is same as running this software in Windows.

#### Note:

WinPE bootable disk doesn't include all driver of hard disk, some special RAID disks cannot be recognized because of the lack of desired drivers. Please do the clone in Windows environment or manually add driver to WinPE bootable disk.

## **Feedback and Support**

We invite your comments on how well EaseUS Disk Copy performed, and we are also enthusiastic in replying all your questions about using it. Please feel free to contact us at:

### support@todo-backup.com

We also provide online chat service and the **Live Chat** option can be located in the top navigation bar of EaseUS official website **www.easeus.com**.