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1 new message

MiniTool Products ~

Feature Resource

Support About
Download Partition
Wizard

Q

Business

Partition Wizard

Partition Wizard > Help > How to Migrate OS to SSD/HD | MiniTool Partition Wizard Tutorial

USING PARTITION WIZARD

- Get Started
 - Tool Bar, Legend Bar,
 - Action Panel

Disk Map Location

Change Font

Partition Wizard Main

Window

Disk & Partition

Selecting An Operation

All Changes

Discard All Changes

Exit

Reload Disk

Undo Last Changes

Help

Offline Activation

- Featured Functions
- Disk/Partition Conversion
- Manage Basic Disk
- Manage Basic Partition
- Manage Dynamic Disk

How to Migrate OS to SSD/HD | MiniTool Partition Wizard Tutorial [Help]



About Migrate OS to SSD/HD

In today's era, computer hard drive is not only the medium to store and exchange data, it also provides an entertaining way. Users can download good music tracks and movies to the hard drive so as to listen to or watch them whenever they want.

As the size of files stored on the hard drive is increasing, the running speed and responding speed of computer will be greatly affected. Meanwhile, the appearance of **SSD** offers users a wonderful experience in speed. So to replace the old hard drive with a new SSD or migrate OS to new SSD becomes the first choice to improve computer performance and speed.

In addition, some large-scale online games are required to download to hard drive. This can easily make the old hard drive run out of space in a

short time. The most direct and effective way to deal with this situation is also to replace the old hard drive with a new larger SSD or HD.

In both cases, if users don't want to reinstall Windows and programs or don't want to lose anything, we highly suggest using **Migrate OS to SSD/HD** feature of MiniTool Partition Wizard to do this, which is an easy and safe process.

Below is a detailed MiniTool Partition Wizard tutorial on OS migration.

Note: The migration process of Partition Wizard will destroy all data in users' target disk, so users would better transfer data to another device or make a backup in advance. Yet, it doesn't have any effect on the data in the original disk.

How to Migrate OS to SSD/HD

Step 1. Launch MiniTool Partition Wizard to get its main interface.

Step 2. Click on Migrate OS to SSD/HD in the toolbar.

🏂 MiniTool Partition Wizard Pro Ultimate 12 - (with lifetime upgrade service) 🛛 🗧 🗕 🗆 🗙									
Data Recovery Partition Recovery Dis	Particular Space Analyzer					Bootable Media Ma	anual		
Partition Management									
General View Disk Partition Dyr	namic Disk Help								
Wizard 🛞 📤	S Partition	Capacity	Used	Unused	File System	Туре	^		
Migrate OS to SSD/HD Wizard	🛶 Disk 1 (VMware, VMwa	re Virtual S SAS, MBR,	60.00 GB)						
Copy Partition Wizard	*:System Reserved	100.00 MB	27.74 MB	72.26 MB	NTFS	Primary			
Copy Disk Wizard	C:	30.60 GB	14.36 GB	16.25 GB	NTFS	Primary			
A Partition Recovery Wizard	E:	29.30 GB	258.95 MB	29.04 GB	NTFS	Primary			
Convert Disk	Disk 2 (VMware, VMware, VMwa	re Virtual S SAS, MBR,	2.00 TB)						
Convert MBR Disk to GPT Disk	n	2048.00 GB	0 B	2048.00 GB	Unallocated	Logical			
Clean Disk 📀	👞 Disk 3 (VMware, VMwa	re Virtual S SAS, MBR,	60.00 GB)						
	F:	30.06 GB	206.90 MB	29.86 GB	NTFS	Logical			
0 Operations Pending	•						, [•]		
	Disk 1 MBR 60.00 GB System Reser 100 MB (Used	C:(NTFS) 30.6 GB (Used: 46%)			E:(NTFS) 29.3 GB (Used: 0%)				
	Disk 2 MBR 2.00 TB (Unallocated) 2048.0 GB								
✓ Apply ← Undo	Disk 3 MBR 5:(NTFS) 60.00 GB 30.1 GB (Used:	0%)		G:(FAT 29.9 Gi	32) B (Used: 1%)				

Step 3. Choose a right method to migrate system disk and click Next.

Option A. To Replace the System Disk

Digrate OS to SSD/HD Wizard	×
How to migrate your OS? This page helps you to choose a right method to migrate your system disk.	
A. I would like to replace my system disk with another hard disk.	
- MiniTool Partition Wizard will copy all the partitions on the system disk to another hard disk.	
O B. I would like to move my operating system to another hard disk. And keep the original hard disk in my computer	r .
- MiniTool Partition Wizard will copy the system required partitions only.	
Migrate OS to SSD/HD Tutorial Sack Next > Cance	1

Firstly, please select the target disk to migrate system disk to and click **Next**.

🍅 Migrate OS to SS	SD/HD Wizard		
Select Destination Choose a hard	n Disk disk to migrate O	Sto.	
The OS will be mig deleted.	prated to the speci	fied destination disk. And during n	nigration, the content of the destination disk will be
Disk 2 MBR 2.00 TB	(Unallocated) 2048.0 GB		
Disk		Capacity	Model
Disk 1		60.00 GB	VMware, VMware Virtual S SAS
Disk 2		2048.00 GB	VMware, VMware Virtual S SAS
Disk 3		60.00 GB	VMware, VMware Virtual S SAS
? Migrate OS to	SSD/HD Tutorial		< Back Next > Cancel

Then, choose a copy option. Alternatively, users can manually edit partition size by inputting exact partition size in MB, GB, or TB.

🟂 Migrate OS to SSD/HD Wizard					×				
Review the changes On this page you can review th	ne changes you have been mad	de.							
Copy Options: 1. Fit partitions to entire di 2. Copy partitions without Align partitions to 1 MB. () Use GUID Partition Table for 	sk. resizing. t could improve performance or the target disk. (It can suppo	for Advanced For nt disk larger than	mat disk & SSD. 2 TB.))					
Target Disk Layout: Disk 2 MBR 2.00 TB System Res 3.3 GB (Use	Disk 2 I I Disk 2 I I MBR System Reser (NTFS) 2.00 TB 3.3 GB (Used: 1%) 1000.0 GB (Used: 0%)								
Change Selected Partition:									
	Unallocated Space Before: 0 Partition Size: 3 Unallocated Space After: 0	.00 +	GB ▼ GB ▼ GB ▼						
? Migrate OS to SSD/HD Tutoria	<u>l</u>	[< Back	Next >	Cancel				

Tricks:

- Align partitions to 1MB could help improve performance for SSD and advanced format disks, so please keep it checked if users are using such devices.
- Checking Use GUID Partition Table for the target disk makes it possible to use all space of hard disk larger than 2TB, but UEFI boot should be enabled in BIOS.
- MiniTool Partition Wizard Free Edition doesn't support migrating OS on MBR disk using GUID Partition table for the target disk.
- If users want to migrate Windows which is installed on a GPT disk, they will not see the option Use GUID Partition Table for the target disk.

Next, read a popup note and click **Finish** to continue.

Digrate OS to SSD/HD Wizard	>	<
Boot from the Destination disk How to boot from the Destination disk?		
Please NOTE:		
To boot from the new disk, please configure computer BIOS setting. Make sure the disk.	he new disk is configured as the default boot	
Migrate OS to SSD/HD Tutorial	< Back Finish Cancel	

At last, click **Apply** button to execute pending operations and tap **Yes** in pop-up prompt window to allow changes.

🟂 MiniTool Partition Wizard Pro Ultima	te 12 - (v	with lifetime u	pgrade service)					≡ – □ ×
		2						
Data Recovery Partition Recovery	лак беп	сптак эр	ace Analyzer					Bootable Media Manua
General View Disk Partition	wnamic	Disk Help						
	. 5	Partition		Capacity	Used	Unused	File System	Type
Wizard		📥 Disk 1	(VMware, VMware	Virtual S SAS. MB	R. 60.00 GB)			
Copy Partition Wizard		*:System Res	erved	100.00 MB	27.74 MB	72.26 MB	NTES	Primary
Copy Disk Wizard		C:		30.60 GB	14.36 GB	16.25 GB	NTFS	Primary
Partition Recovery Wizard		E:		29.30 GB	258.95 MB	29.04 GB	NTFS	Primary
Convert Disk		🐢 Disk 2	(VMware, VMware	Virtual S SAS, MB	R, 2.00 TB)			
Copy Disk Convert MBR Disk to GPT Disk		H:System Re	served	3.33 GB	27.74 MB	3.31 GB	NTFS	Primary
Clean Disk 📀		Ŀ		1044.63 GB	14.36 GB	1030.28 GB	NTFS	Primary
🖉 Wipe Disk	•	J:		1000.03 GB	258.95 MB	999.78 GB	NTFS	Primary
9 Operations Pending		< Di-1-2	N/K.K	1/1-4 I C CAC - 840	D 60.00 CD)			,
⊞- 1. Migrate OS to Disk 2	1	Disk 1 MBR 60.00 GB	System Reser 100 MB (Usec	C:(NTFS) 30.6 GB (Used: 46%	6)		E:(NTFS) 29.3 GB (Used: 0%)	
	-	Disk 2 MBR 2.00 TB	H:System Res 3.3 GB (Used:	I:(NTFS) 1044.6 GB (Used: 1	%)		J:(NTFS) 1000.0 GB (Used: 0%)	
🗸 Apply 🤄 Undo	-	Disk 3 MBR 60.00 GB	F:(NTFS) 30.1 GB (Used: 0	9%)		G:(F/ 29.9	1T32) SB (Used: 1%)	

Option B. To Migrate Windows Only

🏄 Migrate OS to SSD/HD Wizard			×
How to migrate your OS? This page helps you to choose a right method to migrate your system disk.			
○ A. I would like to replace my system disk with another hard disk.			
- MiniTool Partition Wizard will copy all the partitions on the system disk to a	nother hard disk.		
I would like to move my operating system to another hard disk. And keep the system to another hard disk.	eep the original h	ard disk in my	computer.
- MiniTool Partition Wizard will copy the system required partitions only.			
Migrate OS to SSD/HD Tutorial	< Back	Next >	Cancel

Here, users also need to select the target disk to transfer Windows 10 to and click **Next**.

🯄 Migr	rate OS to SSD	/HD Wizard			×
Select Cho	Destination I pose a hard di	Disk sk to migrate OS	to.		
The OS delete	will be migra d .	ted to the specifi	ed destination disk. And during migra	tion, the content of the destination disk will be	
	Disk 2				1
	MBR 2.00 TB	(Unallocated) 2048.0 GB			
Disk			Capacity	Model	
Disk 1			60.00 GB	VMware, VMware Virtual S SAS	
Disk 2			2048.00 GB	VMware, VMware Virtual S SAS	
Disk 3			60.00 GB	VMware, VMware Virtual S SAS	
<u>?</u> Mi	grate OS to SS	D/HD Tutorial		< Back Next > Cancel	

Then, select a copy option and click Next.

🏄 Migrate OS to SSD/HD Wizar	d				×
Review the changes On this page you can review	v the changes you have been ma	ıde.			
Copy Options: 1. Fit partitions to entire 2. Copy partitions without 	: disk. Jut resizing.				
Align partitions to 1 MB	. (It could improve performance	e for Advanced For	mat disk & SSD.)		
Use GUID Partition Table	e for the target disk. (It can supp	ort disk larger than	2 TB.)		
-Target Disk Layout:					
Disk 2 MBR 2.00 TB System 6.5 GB (1	Reser (NTFS) Jsed: 2041.5 GB (Used: 0%)				
Change Selected Partition: -					
() 6.51 GB (Used:27.00 MB)					>
	Unallocated Space Before:	0.00	GB 🗸		
	Partition Size:	6.51 🗘	GB 🔫		
	Unallocated Space After:	0.00	GB 💌		
Migrate OS to SSD/HD Tute	orial	[< Back	Next >	Cancel

Next, read the boot note and click Finish.

Digrate OS to SSD/HD Wizard	×
Boot from the Destination disk How to boot from the Destination disk?	
Please NOTE:	
To boot from the new disk, please configure computer BIOS setting. Make sure the new disk is con disk.	figured as the default boot
Migrate OS to SSD/HD Tutorial < Back	Finish Cancel

At last, click **Apply** button in the toolbar to execute pending operations and tap **Yes** in the pop-up prompt window to allow changes.

🟂 MiniTool Partition Wizard Pro L	Jltimate	≥ 12 - (v	vith lifetime	upgrade service)					.≡1	o ×
Data Recovery Partition Recovery		isk Ben	chmark S	ipace Analyzer					Bootable Media	Manual
Partition Management General View Disk Partitio	n Dj	ynamic	Disk Help	,						
Wizard	<u>ہ</u>	G	Partition		Capacity	Used	Unused	File System	Туре	^
📑 Migrate OS to SSD/HD Wizard			🥌 Disk 🛛	L (VMware, VMware	e Virtual S SAS, MBI	R, 60.00 GB)				
Copy Partition Wizard			*:System Re	served	100.00 MB	27.74 MB	72.26 MB	NTFS	Primary	
Copy Disk Wizard			C:		30.60 GB	14.36 GB	16.25 GB	NTFS	Primary	
Partition Recovery Wizard			E:		29.30 GB	258.95 MB	29.04 GB	NTFS	Primary	
Convert Disk	\odot		🥌 Disk	2 (VMware, VMware	Virtual S SAS, MBI	R, 2.00 TB)				
Convert MBR Disk to GPT Disk	k		H:System R	eserved	6.51 GB	27.74 MB	6.49 GB	NTFS	Primary	
Clean Disk	\odot		Ŀ		2041.48 GB	14.36 GB	2027.12 GB	NTFS	Primary	
🖉 Wipe Disk			🥌 Disk 🗄	3 (VMware, VMware	Virtual S SAS, MBI	R, 60.00 GB)				
8 Operations Pending			•							• •
BP 1. Migrate US to Disk 2		-	Disk 1 MBR 60.00 GB	System Reser 100 MB (Usec	C:(NTFS) 30.6 GB (Used: 46%)		E:(NTFS) 29.3 GB (Used: 0%)		
		-	Disk 2 MBR 2.00 TB	H:System Res 1 6.5 GB (Used: 2	L:(NTFS) 2041.5 GB (Used: 0	%)				
V Apply)	-	Disk 3 MBR 60.00 GB	F:(NTFS) 30.1 GB (Used: 0)%)		G:(FA 29.9 G	T32) B (Used: 1%)		

SSD Best Sellers

Now you already know how to migrate OS to SSD/HD. Here are the best sellers on the SSD market. Choose one that fits your needs best.

		м МРБОО	SAMSUNG		ADATA Without Har SU800
Product Name	Intel 660p Series (1TB) SSD	Corsair MP500 (480GB) SSD	Samsung 860 EVO (250G) SSD	Samsung 970 EVO NVMe (500GB) SSD	Adata SU800 SATA (1 SSD
Brand	Intel	Corsair	Samsung	Samsung	Adata
Capacity	1TB	480GB	250GB	500GB	1TB
I/O Speed	Up to 1,800MB/s	Up to 3,000MB/s	Up to 550MB/s	Up to 3500MB/s	Up to 560MB/
Pros	Very good NVMe performance most of the time. Extremely affordable. 5-year warranty.	Black printed circuit board. Copper strip technology. High- Performance. NVMe- Enabled.	Good overall performance. Outstanding endurance rating. Samsung Magician software.	Affordable (relatively) NVMe drive. Excellent sequential reads Available in up to 2TB	Adata S Toolbox Acronis Data Migratic Fair pricing.

			Hardware- Based encryption. Package with DRAM cache and cloning. 5-year warranty.	capacity. Almost 50% shorter file transfer times. 5-year warranty.	
Cons	Slows to 100MBps writing during very long transfers.	High initial pricing. Low warranty terms. Lack of progress for the E7 controller.	Expensive.	Slows to just over 600MBps after cache is exceeded. Occasionally trails 960 Pro. Lower capacities could be cheaper.	Micron 384Gbit TLC NAI Low through High latency. Low noteboc battery l
Rating Star	*****	*****	****	****	***1
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f Facebook 🎔 Twitter in Linkedin 🍲 Reddit					



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