

EaseUS[®] Todo Backup User Guide

For Enterprise Edition





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Welcome

Thank you for using **EaseUS Todo Backup**. Being an integrated solution for crucial data and powerful OS protection, **EaseUS Todo Backup** is spread over millions of home computers, business workstations and servers. Focusing on efficient and stable backup, **EaseUS Todo Backup** is dedicated to safeguarding the operating system, emails, disks, partitions, documents, photos, pictures and music, etc.

EaseUS Todo Backup generates the .pbd images for your reliable backups, which are to be promptly and easily recovered in the case of system crash, partition/disk corruption, virus infection and unexpected data loss, etc. Being distinguished from OEM backup solutions, NO extra hidden partitions are to be created or required on your hard drive to get EaseUS Todo Backup perform a backup or restore.

Getting Started

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

Hardware Requirements

500 MHz processor or faster A minimum of 1 gigabytes (GB) RAM; A minimum of 2 GB RAM for Window 8/8.1/10 A minimum of 1 GB of available space on the hard disk CD-R/RW, DVD-R/RW, DVD+R/RW or DVD+R DL drive Keyboard, mouse and other compatible pointing devices

System Requirements

Supported Operation System:

- Windows XP®
- Windows Vista®
- Windows® 7
- Windows® 8
- Windows® 8.1
- Windows® 10
- Windows Server® 2003
- Windows Server® 2008
- Windows Server® 2008 R2
- Windows Server® 2012
- Windows Server® 2012 R2
- Windows Server® 2016
- Windows Server® 2019
- Windows Small Business Server 2003
- Windows Small Business Server 2008
- Windows Small Business Server 2011

Supported File Systems

FAT12, FAT16, FAT32 and NTFS file systems are fully supported in **EaseUS Todo Backup**.



All the other file systems are listed as Other in **EaseUS Todo Backup**. The software automatically switches to the Sector by Sector mode when backing up or cloning drives with Other file systems.

Supported Hard Disks

EaseUS Todo Backup supports hard drives with IDE, EIDE, SATA, ESATA, ATA, SCSI, iSCSI, USB 1.1/2.0/3.0 disk and Firewire ports for backup and clone.

All the above mentioned hard drives, along with CD-R/RW DVD-R/RW DVD+R/RW DVD+R DL are supported storage devices to preserve **EaseUS Todo Backup** images.

Dynamic disk, MBR and GPT disks are supported. EaseUS Todo Backup supports the disk capacity up to **16TB**.

Activation

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

Activate now				×
Features	Workstation	Server	Advanced Server	Technician
Essential backup and recovery	~	~	~	~
Support Windows Server 2016,2012,2008, 2003, SBS	-	~	~	~
PXE network boot	—	~	×	~
Exchange Server backup & recovery	-	-	~	~
SQL Server backup & recovery		—	~	~
Deliver technical service to clients		_		~
	\$39	\$199	\$299	
	Free lifetime upgrade	Free lifetime upgrade	🗌 Free lifetime upgrade 🄇	🛛 Lifetime 🗠
	Buy Now	Buy Now	Buy Now	🥏 Get a Quote
Current license: Trial version: 30 day(License code:	s) left.		Activate n	low Later

Click **Later** to start the 30-day trial experience. Move your mouse to **Activation Now** at the left bottom to get back activation window.



TASKS	Tasks			New Task	Recovery System Transfer
+NEW TASK	Task Name	Туре	Status	Last Result	Location
LOGS	Smart Backup	Smart backup	Smart Backup is protecting your files	Success	F:\My Backups\Smart Bac.
LICENSE	Local Disk (No drive I	Disk/partiton backup	Complete	Success	F:\My Backups\Local Disk.
	System Backup	System backup	Complete	Success	F:\My Backups\System Ba
TOOLS 🗸	Work data	File backup	Next execution time: 2016/6/2 4:00	Success	M:\My Backups\Work dat
Check Image	File Backup	File backup	Complete	Success	M:\My Backups\File Backu
Create Emergency Disk	Disk Backup 2015-1	Disk/partiton backup	No Backup	Failed	M:\My Backups\Disk Bac
P2V Copy	File Backup 2015-09	File backup	No Backup	Failed	M:\My Backups\File Back
P2V Recovery					
P2V Conversion					
Tape Manager					
Mount/Unmount					
iSCSI Initiator					
30 Day(s)					
Trial time remaining.					

Offline Activation

To get offline activation when your computers is off Internet connection, please click <u>here</u>.



Tips:

Machine code is a unique ID generated by EaseUS Todo Backup on the basis of your hardware information. It is closely tied with license code.

Replace License Code

To replace the previous code with a new one, please click LICENSE at the left column and



then locate **Replace** at the right top of EaseUS Todo Backup.

🚸 EaseUS Todo Backup				□ _ □ ×
TASKS	License			Replace
+NEW TASK	License Code	License Type	Used License Number	License nur ber
E LOGS	PN	Advanced Server	1	1
🖉 tools 🛛 🔿				

Note:

Each edition has its own license code. Only the codes to the same edition can be replaced.

Edition Comparison

EaseUS Todo Backup Enterprise includes six functional modules, Basic Features, Support Windows Server OS, Virtualization (P2V), SQL Backup and Exchange Backup. The different combinations of each functional module provides you the option to fully customize your Todo Backup Enterprise. When choosing your backup plan, you are able to opt in the functional modules at your most needs.

Basic Features - Includes the most useful functions, <u>Backup, Recovery</u>, <u>Clone</u>, <u>Tools</u> (excluding P2V Copy and P2V Recovery), etc.

Support Windows Server OS - Uses basic features on Windows Server 2003/2008/2008 R2/2012/2012 R2/2016/2019, SBS 2003/2008/2011 machine.

Virtualization (P2V) - P2V Copy and P2V Recovery.

SQL Backup - Backup and recovery of the database of Microsoft SQL Server.

Exchange Backup - Backup and recovery Microsoft Exchange Database and Mailbox.

The trial version of Todo Backup is fully functioned with a **30-day** trial period.

Home Page

Great improvements on UI has been made starting from Version 9.2, hoping to maintain the routine backup jobs in a more easily and smoothly way. The new home page constitutes three main areas.

EaseUS Todo Backup	100	Click t	o get prod	uct basic	info and	a setting	menu		_ = ×
Create Backup Task	Tasks			C Recovery	€ Backup •	Edit Task	E: Details	⊡ Advanced v	Export Task
+NEW TASK	Task Name	Туре	Status			Last	Result	Location	
E LO Other	File Backup(1)	File backup	Completed			Succ	essful	D:\My Backu	ps\File Ba
	Microsoft Outlook-2	Office Outlook backup	No Backup			Faile	d	D:\My Backu	ps\Micros
i license	Local Disk (No drive I	Disk/partition backup	Completed	(Succ	essful	D:\My Backu	ps\Local
🖉 tools 🗸 🗸	File Backup (4)	File backup Backu	p Manage	ment & R	ecovery	Succ	essful	D:\My Backu	ps\File Ba
🛱 SQL Credential Manager	Microsoft Outlook1	Office Outlook backup	Completed			Succ	essful	D:\My Backu	ps\Micros
🖵 Clone	Smart Backup	Smart backup	Smart Back	up has pau	sed	-		D:\My Backu	ps\Smart
🗗 Import Task	Local Disk (No drive I	Disk/partition backup	Completed			Succ	essful	D:\My Backu	ps\Local
ピ Export Task	File Backup (3)	File backup	Completed			Succ	essful	G:\My Backu	ps\File Ba
Check Image	File Backup (2)	File backup	Completed			Succ	essful	I:\File Backup	(2)
Create Emergency Disk	System backup	System Backup	No Backup			Faile	d	G:\My Backu	ps\Syste
P2V Copy	Favorites	File backup	Schedule p	aused		Succ	essful	G:\My Backu	ps∖Favorit
D P2V Recovery	Disk 1	Disk/partition backup	No Backup			Faile	d	G:\My Backu	ps\Disk 1
P2V Conversion	File Backup (1)	File backup	Completed			Succ	essful	G:\My Backu	ps\File Ba
💷 Tape Manager	Partitions backup	Disk/partition backup	Completed			Succ	essful	G:\My Backu	ps\Partiti
a current	File Backup	File backup	Completed			Succ	essful	G:\My Backu	ps\File Ba
SUPPORT	TECT	File backup	Completed			Succ	occful	Ci\My Pode	PC) TEST

Create Backup Task

NEW TASK area is the entrance to all available backup options. To create a new backup task, please click **NEW TASK**.

For more details on various backups, please refer to: <u>Disk/Volume backup</u>, <u>System backup</u>, <u>File Backup</u>, <u>Smart Backup</u>, <u>Exchange Backup</u>, <u>Mail Backup</u>, <u>SQL Backup</u>.

Backup Management & Recovery

Backup Management & Recovery area lists all the created backup tasks whose basic information is explicitly shown in the list, such as task name, image location and status and so on.

As a kindly reminder, there are two separate recovery options, <u>System Transfer</u> and <u>Recovery</u>, when no backup task is selected. There will be only one recovery option, Recovery, after one backup task is selected.

Others

Others area includes <u>Clone</u> option, <u>Logs</u> and other <u>useful tools</u>.



Backup

Backup generally refers to creating copies of important data. With these copies, you can recover your data after an unexpected computer disaster. Therefore, the main purpose of backup can be summarized as an effective remedy for system failure or data loss.

The benefits to protect your system with a regular backup tool:

1. Backup can be scheduled (e.g. regular automatic backups that require no user interaction);

2. Backup changes can be appended incrementally or differentially (i.e. after a full backup, subsequent backups will take less time and occupy less space than the first one);

3. Backups allow you to keep several versions of the backed-up data and you can restore to one of the previous versions (e.g. you can keep backups from one, two and three weeks ago on the same disk and you can recover the backup from the moment that you need);

4. Backup can be mounted and searched through (e.g. if you want to quickly find, view and copy a file from it).

User can easily get system running again after recovering a system image file to original drive even a new drive.

Tips:

In order to ensure a rapid and successful backup process, please close all other applications before starting the operation and never try to save the image file to the partition/disk which you are backing up.

System Backup

As is well known, Windows Operation System is critically important. To protect it in case of system crash is the main concern. EaseUS Todo Backup provides the easiest way for system protection with **System Backup**. Starting from Version 9.2, you need to click Disk/Volume Backup and then check System Backup where the necessary partitions required by boot of Windows will be automatically included.



This PC Check the System Ba	ckup option			
System Backup				
🔺 🗌 🦳 Disk 0 Basic GPT	931.51 GB			
🗌 🛄 DATA(D:)	Simple	NTFS	Primary	176.24 GB Free
BACKUP(E:)	Simple	NTFS	Primary	174.49 GB Free
VMware(F;)	Simple	NTFS	Click the "Bro	wse" to modify
Download(G:)	Simple	NTES		up destination
estination:				×
D:\My Backups		1	76.24 GB Free of 241	.73 GB 🛛 Browse
lan Name & Description:				
System Backup				
Description				
ackup Scheme:				

Basic Settings:

Destination - Click the "Browse..." to modify your backup destination.

Plan name & Description - An accurate plan name and appropriate description can help you find the desired image file easily.

Advanced backup settings

Advanced backup settings are useful when you want to create a flexible and automatic backup plan. **Schedule** is to create an automatic backup plan. **Backup options** is to edit the advanced parameters. **Backup Cleanup** is to reserve the limited image as per image retention rule.

For more details, please click: <u>Schedule, Backup option, Backup Cleanup</u>.

Tips:

Advanced backup settings are for reference only but not a prerequisite for backup.

Disk/Volume Backup

Suppose there is only one disk with more one partitions on your computer. System Backup is to back up the partition only where the system and boot partitions are saved. In this case, you should use **Disk/Volume Backup** to help you back up the rest data partition.



This PC						
🔲 🛄 System Backup						
Disk 0 Basic GPT	931.51 GB					
DATA(D:)	Simple	NTFS	Primary	176.	24 GB Free	
🛃 🦲 BACKUP(E:)	Simple	NTFS	Primary	174.	49 GB Free	
UMware(F:)	Simple	NTFS	Primar	Click the "Browse" to m		
Download(G:)	Simple	NTES	Priman	your backup de		
Destination:			L		×	
D:\My Backups			176.24 GB Fre	ee of 241.73 GB 🛛 🖂	Browse	
Plan Name & Description:						
Partitions backup						
Description						
		1.				
Backup Scheme:						

Basic Settings:

Destination - Click the "**Browse...**" to modify your backup destination.

Plan name and **Description** - An accurate plan name and appropriate description can help you find the desired image file easily.

Advanced backup settings

Advanced backup settings are useful when you want to create a flexible and automatic backup plan. **Schedule** is to create an automatic backup plan. **Backup options** is to edit the advanced parameters. **Backup Cleanup** is to reserve the limited image as per image retention rule.

For more details, please click: <u>Schedule, Backup option, Backup Cleanup</u>.

Tips:

Advanced backup settings are for reference only but not a prerequisite for backup.

FAQ:

1. What's the difference between System Backup and Disk/Volume Backup?

A: Please click <u>here</u> to view the answer.

2. Can I back up the network drive?

A: No, EaseUS Todo Backup can just help you back up the files and folders on network drive. It cannot back up the whole network drive.



3. Where should I save backup image file?

A: You can save backup image to local hard drive, network drive, or other storage device. Please don't save the backup image to the same partition which you are willing to back up.

4. What is dynamic volume? Does EaseUS support its backup?

A: Dynamic volume is a part of a dynamic disk. Dynamic disk manages the volumes with a LDM (short for Logical Disk Manager) database. Compared with basic disk, dynamic one is divided into multiple types of volumes. Most dynamic volumes have advanced features in data storage, such as data redundancy in a Mirrored volume and fault-tolerant features in a RAID-5 volume.

Backup is supported. The backup process is the same as disk/partition backup on basic disk. One big difference lies in display. To be more precise, all the volumes on different disks are listed all together.

Command Line Backup

EaseUS Todo Backup Command Line is to directly create and execute backup task in Windows command line without pop-up windows. It supports creating disk backup, partition backup and system backup.

Make sure you are running Windows Command Prompt as an Administrator. Then run the command, **etbcmd**, to launch EaseUS Todo Backup Command Line tool:



All the commands and parameters are listed below:



/a <action></action>	Specify the operation to execute.
	list: Check disk/partition details
	create: Create backup task
	execute: Execute backup task immediately
/?	EaseUS Todo Backup command line help information.
Operation:list	
/d <disk></disk>	Select disk number to view. If the disk number is not specified, all disk
a la constant	information will be displayed.
/?	EaseUS Todo Backup command line help information.
Operation:create	Cat back we take name. If the exception task alwards eviate it will
/n <name></name>	Set backup task name. If the specified task already exists, it will
(a /a	automatically add number (1), (2) after the task name.
/d <description></description>	(Optional) Add task description.
/s <source/>	Specify backup source (such as system backup, disk backup or partition
	backup) For grammle, /c gratem System backum /c 1 2 3:2 F. Backum Dick1 Dick 2
	For example: /s system System backup /s 1,2,3:2,F Back up Disk1, Disk 2, Partition 2 of Disk 3 and Partition F:
/1 <location></location>	
/I \IUCatIUN/	(Optional) Specify storage path of backup image (local or network path is available). If no storage path is specified, the backup image will be saved
	available). If no stolage path is specified, the backup image will be saved in default path.
/u <username></username>	In default path. (If set to back up to network storage, network credential info is needed)
/u (user name/	(11 set to back up to network storage, network credential into is needed) Network access username.
/p <password></password>	Network access username. (If set to back up to network storage, network credential info is needed)
/P /Password/	Ni set to back up to network storage, network credential into is needed) Network access password.
/e <encrypt></encrypt>	(Optional) Set image encrypted password.
/c <compress></compress>	(Optional) Set image encrypted password. (Optional) Set image compression level. If the parameter is not set, the
, o . (compt cas)	image compression level is normal.
	0: no compression
	1: normal compression
	2. medium compression
	3: high compression
/i <splitting></splitting>	(Optional) Set image splitting size(MB). If the parameter is not set or it
	is set to 0, the image won't be split.
/r <raw></raw>	(Optional) Execute sector-level backup. If the parameter is not set, the
	non-sector-level backup will be executed.
	0: non-sector-level backup
	1: sector-level backup
/t <silent></silent>	(Optional) Silent mode. If the parameter is not set, it defaults to
	non-silent mode.
	0: non-silent mode
3 Nontre	1: silent mode
/?	EaseUS Todo Backup command line help information.
Operation:execute	
/n <name></name>	Set backup task name.
/t <type></type>	Specify backup type. If the parameter is not specified, the backup type is
	full backup.
	inc: incremental backup
	dif: differential backup
7 2 17 5	full: full backup
/s <silent></silent>	(Optional) Silent mode. If the parameter is not set, it defaults to
	non-silent mode.
	0: non-silent mode
10	l: silent mode
/?	EaseUS Todo Backup command line help information.

Here is an example to illustrate creating a partition backup:

for example: etbcmd.exe /a create /n "Demo Task" /d "This is a Demo Task" /s 0:1 /1 "D:\my backup" /e "password" /c 1 /i 0 /r 0 /t 0

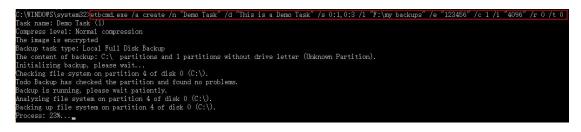
Before creating a backup, please list all partitions and disks to locate the desired one for backup.



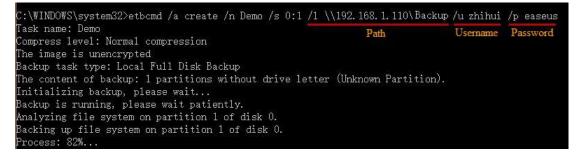
C:\\	¶INDO₩S\system	32> <mark>etbcmd</mark> /a	list					
Disk	c ID: 0 (GPT B			142415, C:				
ID	Letter							Start (MB)
0	*:	Unknown	300.00 MB	300.00 MB	OBytes	None	Primary	1
1	*:	Unknown	100.00 MB	100.00 MB	OBytes	System	Primary	301
2	*:	Unknown	128.00 MB	128.00 MB	OBytes	None	Primary	401
3	C: System	NTFS	77.41 GB	57.19 GB	20.22 GB	Boot	Primary	529
4	*:	Unknown	450.00 MB	450.00 MB	OBytes	None	Primary	79796
	D: VMware	NTFS	79.10 GB	75.82 GB	3.28 GB	None	Primary	80246
ò	E: Work	NTFS	78.13 GB	32.95 GB	45.18 GB	None	Primary	161244
7	F: Download	NTFS	62.50 GB	20.27 GB	42.23 GB	None	Primary	241244

To back up operating system with System Backup, please type "/s system". Then EaseUS Todo Backup intelligently help you back up OS which is also known as the partitions where system and boot partitions are saved.

To manually back up operating system with Disk/Partition Backup, please type the command listed below:



To save images to network drive, the correct command for destination is:



File Backup

You may have a large amount of vital data to be protected as time goes on, such as documents, pictures, music and videos, etc. It is always a good habit to have a backup on regular basis. File Backup is one of the best choices for you to get over unexpected data loss.



🖻 🔲 🗀 Library	Name	Size	Type	Date	Modified
🕑 🛃 📄 My Documents	🗹 🗁 League of Legends		Folder	2016/	5/13 11:58
🖻 🖬 🕞 Favorites	🗹 🗁 My ISO Files		Folder	Folder 2016/5/12	
🖻 🖵 This PC	C My Knowledge Folder			2016/	12/19 9:19
Network	🖬 🗁 My Music		Folder	2016/9/23 1:13	
🕨 🗹 🖵 Desktop	🗹 🗁 My Pictures		Folder	2016/	9/23 1:13
	My Videos		Folder	Click the "Browse" to n your backup destination	
Destination:			2.		×
D:\My Backups		1	76.24 GB Free	e of 241.73 GB	✓ Browse
Plan Name & Description:					
File Backup					
Description					

Basic Settings:

Destination - Click the "Browse..." to modify your backup destination.

Plan name & Description - An accurate plan name and appropriate description can help you find the desired image file easily.

Advanced backup settings

Advanced backup settings are useful when you want to create a flexible and automatic backup plan. **Schedule** is to create an automatic backup plan. **Backup options** is to edit the advanced parameters. **Backup Cleanup** is to reserve the limited image as per image retention rule.

For more details, please click: <u>Schedule, Backup option, Backup Cleanup</u>.

Tips:

Advanced backup settings are for reference only but not a prerequisite for backup.

Smart Backup

Smart Backup is affiliated to File Backup starting from Version 9.2. A scheduled backup is performed every half an hour provided any changes are made in Smart Backup.



🗌 🗁 Library	Name	Size	Туре	Date Modified	
My Documents	🔽 🗁 League of Leger	League of Legends		2016/5/13 11:58	
🖬 🕞 Favorites	🗹 🗁 My ISO Files		Folder	2016/5/12 13:07	
💽 🖵 This PC	🗹 🗁 My Knowledge		Folder	2016/12/19 9:19	
 Oketwork Oketwork Desktop 	🖬 🗁 My Music		Folder	2016/9/23 1:13	
	My Pictures		Folder	2016/9/23 1:13	
	🗹 🗁 My Videos		Folder	2016/9/23 1:13	
	☑ ☑ Outlook 文件		Folder	2017/3/10 10:52	
	QQPCMgr		Folder	2017/3/21 8:44	
	🗹 🗁 Snagit		Folder	2016/7/21 10:01	
estination:	✓ 7 Tencent Files		Folder	2017/3/29 8·43	
estination: D:\My Backups		1	76.24 GB Free of 2	41.73 GB V Browse	
ackup Scheme: Smart back		e Smart back			

Note:

Smart Backup does not support disk or partition backup. Files/folders saved in network drive is not supported by Smart Backup.

When You Need Smart Backup

Cases:

- 1. To back up database files that are frequently changed;
- 2. To back up shared files that are frequently updated;
- 3. Want to create multiple backup points for the recovery or rollback.

What You Get with Smart Backup

Before you move to what you are going to get with Smart Backup, you may need to have a knowledge of the differences among full, incremental and differential backup.

The first image of Smart Backup is always full. There will be a new full image created every seven days. The first images on each seventh days are Full.

The first image on rests days are differentials. The rest images on rest days are incrementals. There are no differentials on each seventh days as there are full already.

No backups created on invalid days. It is deemed to be an invalid day when your computer happens to be powered off or become nonfunctional.

How Smart Backup Manages Images

To avoid insufficient disk in destination, Smart Backup automatically deletes images as followed:



1. All the **Incrementals** created on yesterday will be deleted with the completion of today's first image.

2. As we have stated before, there should be 6 Differentials at most. So the last Differential will be deleted with the completion of next one. For example, Differential created on 2nd day will be deleted with the completion of Differential on 8th day.

3. Likewise, there should be 2 Fulls at most. In this case, you are limited to restore the images in the past 15 days.

Tips:

Smart Backup supports to back up the folders/files by right click in Windows Explorer. Select **Create Smart Backup for selected file(s)** in Windows menu to start smart backup.

Mail Backup

Communication via email is still a popular manner and Microsoft Outlook is the most popular email application. After a long time using, you may have many important mails to be backed up. Then EaseUS Todo Backup can also become your guardian to protect the mails.

Tips:

Windows live mail and Mozilla Thunderbird are not supported.

Backup								×
Disk/Volume	File	Mail	ExchangeDB	ExchangeMail	SQL			
Micr	osoft Ou	utlook				Click the " Browse. your backup de	" to moc	lify
Destination:								_
D:\My Backup:	5				176.24 GB Fre	ee of 241.73 GB	Brows	e
Plan Name & D	Descriptio	on:						
Microsoft Out	ook							
Description								
Backup Scheme Schedule: (Backup o	Off		kup Cleanup: Non anced backup s			Proceed	Cance	el

Specify contents for backup. You may choose to back up whole mailbox, individual folder(s), Contacts and Calendar, etc.

Basic Settings:



Destination - Click the "**Browse...**" to modify your backup destination.

Plan name & Description - An accurate plan name and appropriate description can help you find the needed image file easily.

Advanced backup settings

Advanced backup settings are useful when you want to create a flexible and automatic backup plan. Schedule is to create an automatic backup plan. Backup options is to edit the advanced parameters. **Backup Cleanup** is to reserve the limited image as per image retention rule.

For more details, please click: Schedule, Backup option, Backup Cleanup.

Tips:

Advanced backup settings are for reference only but not a prerequisite for backup.

Schedule Backup

Scheduled backup runs automatically in a regular time interval or at a specified time point.

Here you are going to have a brief idea on how to configure all the schedule settings and image retention rule.

🔶 EaseUS	Backup scheme - I	Backup Scheme	
	Schedule Back	One-time	Start 2017/12/1
Back	New	Daily	Execute every 1 🔷 week(s)
	T I	Weekly	On: Vednesd
á 4 1	3	Monthly	🗌 Friday 🗌 Saturday 🗌 Sunday

Schedule Settings

	TASKS Schedule Back	ne-time Start 2017/12/1 🔿 🃅 🗆 Expire 2017/12/1 🔷 📅
≣	Disk,	aily Execute every 1 🔷 week(s) eekly On: 🗹 Monday 🗋 Tuesday 🔄 Thursday
ٹ رم	41	onthly Friday Saturday Sunday
6		● At: 11:07 ○ ○ Every 1 ○ Minute(s) ✓ From 0:00 ○ To 23:59 …
ď ď	Dest	Backup type Full ·
5	D:\N When running a t. Plan System Change	
() () () () () () () () () () () () () (Disk Desi Load from temp Backup seneme: Custor	Add Cancel
Tr	Schedule: Off Backup options	Backup Cleanup: None Proceed Cancel

Schedule Time

EaseUS Todo Backup provides five Schedule Types.



Backup Scheme	
One-time	Start 2017/11/20 🗘 📅 🗆 Expire 2017/11/20 🗘 📅
Daily	Execute every 1 🗘 week(s)
Weekly	On: 🗹 Monday 🗌 Tuesday 🗌 Wednesday 🗌 Thursday
Monthly	🗌 Friday 🔄 Saturday 🔄 Sunday
Upon Event	• At: 15:55
	○ Every 1 ↓ Minute(s) ✓ From 0:00 ↓ To 23:59 ↓
	Backup type Full
	Add Cancel

One-time

Set a specific time point to execute the backup once.

Daily

Execute backup in date period - Set start date and expire date for the plan.

Execute backup every X day(s) at the specific time point.

Or execute backup every X day(s) and every X hour(s)/minutes(s) from start time to expire time.

Suppose start time is at 6:00 am and finish time at 10:00 am with 2-hour interval time. Backups will be executed for three time at different time points, 6:00 am, 8:00 am and 10:00 am.

Weekly

Execute backup in date period - Set start date and expire date for the plan. Execute backup every X week(s) on the specific day(s) at the specific time point. Or execute backup every X week(s) on the specific day(s) and every X hour(s)/minutes(s) from start time to expire time.

Monthly

The backup is to be automatically executed in the specific month(s) at the scheduled time, which may be based on date or week. You can also specific every X hour(s)/minutes(s) from start time to expire time on specific day(s) in specific month(s).

Upon event

The backup is to be automatically executed in the event of: **System startup** - Backup runs automatically when system starts up. **System shutdown** - Backup runs automatically when system is shutdown. **User log on** - Backup runs automatically when Windows logs in. **User log off** - Backup runs automatically when Windows logs off. **USB device plugged in** - Backup runs automatically when USB device is plugged in provided that it is set to be the destination.



User Account

EaseUS Todo backup uses administrator account permission to run schedule backup, the default account is the system account on this computer. If the account doesn't have admin permission to run schedule, you need to add a local administrator account and password.

Full Backup Every 1 day(s) A	t 15:35, From 2017/11/20	Edit I	Delete
LVFY Z WEEK(S)	Start at 0:00, repeat every 1 Hour(s) till 23:59 On Mon, Tue, Sat, From 201 Message × Please enter Administrator username and password: User name Password	Edit	Delete
	Proceed Cancel		

To locate an Admin account on the computer, you can use "Whoami" command:

Administrator: Windows Power	Shell	79 <u>1</u> 95		×	
Windows PowerShell Copyright (C) 2016 Microsoft Corp	poration.	All ri	ghts res	erve	^
PS C:\WINDOWS\system32> whoami desktop-iv5jmvq\zhihui-po PS C:\WINDOWS\system32> _	Admin	accoun	t		
					Y
<				>	

Load from template/Save as template

To save the created schedule as template, or load a saved template

Note:

1. Each rule in schedule backup can be modified or removed.

2. With different priority level (full-high, differential-normal, incremental-low), there will be no any conflict when different rules are set to run at a same minute.

3. Backups with different priority will be executed from high to low in sequence. And for those even have same priority, our product will perform only one of them to avoid duplication.



Advanced Settings

Wake the computer to run this backup

By ticking this option, the computer will be automatically waked up at the schedule time to run backup when it is sleeping or hibernating.

Prevent Windows from going to sleep or hibernate when backup is running

This option is able to prevent Windows from going to sleep or hibernate when backup is running.

Run missed backup at system startup if computer is shutdown

By ticking this option, the latest missed backup will be automatically executed at the startup of Windows in the case that your computer happens to be shutdown or power failure in Daily, Weekly or Monthly scheduled backup.

Backup Method

Backup Scheme	×
One-time	Start 2017/11/20 🗘 📅 🗆 Expire 2017/11/20 🗘 📅
Daily Weekly	Execute every 1 week(s) On: Monday Tuesday Wednesday Thursday
Monthly	Friday Saturday Sunday
Upon Event	 At: 15:55 Every 1 Minute(s) From 0:00 To 23:59
	Backup type Full V Full Incremental
	Differential Add Cancel

There are three backup methods, Full, Incremental and Differential.

You may get a knowledge of differences among Full, Differential and Incremental here.

Backup Cleanup

Destination storage is to be out of space soon or later without **Backup Cleanup**. Here is how it works in image retention rule to save storage space.



Backup Cleanup	×
Delete backup image when the number exceeds \sim	
1	
Oon't delete the first image	
Reserve image via image merging method (It saves the space occupied by images. But the backup process requires more time.)	
OK Can	cel

Images can be deleted on the basis of period, numbers, week, month and year. For more details, please click <u>here</u>.

Don't delete the first image

First full image will neither be deleted nor be counted into preserved images as per image retention rule with **Don't delete the first image** checked.

Reserve image via image merging method

Images are to be intelligently merged with **Reserve image via image merging method** checked. For more details, please click <u>here</u>.

Created Backup Edit

All the options stated below are editable for any created backups, including Recovery, Backup, Edit plan, Task Details and Advanced.



TASKS	Tasks			C Recovery	€ Backup +	Edit Task	Details	Advanced +	Export Tas
+NEW TASK	Task Name	Туре	Status			Last	Result	Location	
E LOGS	File Backup(1)	File backup	Completed			Succ	essful	D:\My Backu	ps <mark>\File B</mark> a
LICENSE	Microsoft Outlook-2	Office Outlook backup	No Backup			Failer	d	D:\My Backu	ps\Micros
	Local Disk (No drive I	Disk/partition backup	Completed			Succ	essful	D:\My Backu	ps <mark>\Loc</mark> al
🖗 TOOLS 🛛 🗸	File Backup (4)	File backup	Completed			Suco	essful	D:\My Backu	ps <mark>\File B</mark> a
a SQL Credential Manager	Microsoft Outlook1	Office Outlook backup	Completed			Succ	essful	D:\My Backu	ps\Micros
급 Clone	Local Disk (No drive I	Disk/partition backup	Completed			Succ	essful	D:\My Backu	ps\Local
🐒 Import Task	File Backup (3)	File backup	Completed			Suco	essful	G:\My Backu	ps\File Ba
🖞 Export Task	File Backup (2)	File backup	Completed			Succ	essful	I:\File Backup	(2)
Check Image	System backup	System Backup	No Backup			Faile	d l	G:\My Backu	ps\Syste
Create Emergency Disk	Favorites	File backup	Schedule p	aused		Succ	essful	G:\My Backu	ps\F <mark>av</mark> orit
P2V Copy	Disk 1	Disk/partition backup	No Backup			Faile	đ	G:\My Backu	ps\Disk 1
P2V Recovery	File Backup (1)	File backup	Completed			Succ	essful	G:\My Backu	ps\File Ba
P2V Conversion	Partitions backup	Disk/partition backup	Completed			Succ	essful	G:\My Backu	ps\Partiti
🖾 Tape Manager	File Backup	File backup	Completed			Succ	essful	G:\My Backu	ps\File Ba
	TEST	File backup	Completed			Suco	essful	G:\My Backu	ps\TEST
	Important data from	Eila backup	Novt avocu	tion time: 21	017/02/20 12	-00 Succ	occful	口册的名称,	大件\lmno

Recovery

To click Recovery is to restore the backup. For more details, please click Recovery.

Backup

To click Backup is to manually run a **Full**, **Incremental** or **Differential** backup, which will not affect the subsequent scheduled backups.

Edit plan

To click Edit plan is to update the created backup.

Task Details

Task Details includes Basic Information, Backup Images and Backup Details. To manually delete the images, please click Backup Images.

Advanced

Check Image - For more information, please refer to <u>Check image</u>.
P2V Conversion - To convert data to a virtual disk file in order to be available for VMware Workstation or MS Virtual PC. For more information, please refer to <u>here</u>.
P2V Recovery - To convert system to a virtual disk file in order to be available for VMware Workstation or MS Virtual PC. For more information, please refer to <u>here</u>.
P2V Recovery - To delete backup task only with **Delete related images** unchecked.

Backup Options

Backup Options is available for both created backups and newly created ones.

Performance



Performance includes Compression, Priority, Backup splitting and Net transfer speed.

Backup options		×
Backup options Performance Encryption E-Mail Notification Custom Commands Offsite Copy Backup mode File filter	Compression Medium Priority Normal Backup splitting Customize MB (Enter your desired size, at least 50MB.) Net transfer speed MB	×
	Reset to initial settings Can	cel

Compression

A backup file can be compressed. Unfold the option to determine the compression level. In most cases, images with **High** compression is in a smaller size than the ones with **None** or **Normal** compression.

Priority

Windows is a multitasking operating system that supports simultaneous running of multiple applications. Backup runs faster with **Priority** checked.

Backup Splitting

To accommodate different storage medium, images require to be split into small pieces with Backup Splitting.

Automatic - Image size is automatically split by file system type of destination storage device with Automatic checked.

Manual - Image size is manually split with Manual checked, which requires a minimum size of 50MB.

Network transfer speed

It is 0 Mbps by default. In this case, EaseUS Todo Backup is unlimited to utilize the network and disk I/O resource.

Tips:

Backup with **High** compression level is not supposed to generate a small image. The reason is some files that have been compressed won't be repeatedly compressed any



more, such as .jpg, .pdf and .mp3, etc.

Encryption

To protect images with password, please check **Enable Backup Encryption.** The password adopts AES256 algorithm, which should be less than 64 characters.

Make sure the password is properly saved. EaseUS is unable to get encrypted images decrypted.

E-mail Notification

You may monitor backup status with Logs and E-mail notification. Here is how to set an email notification. For more details, please click <u>here</u>.

Custom Commands

You may set any commands to be executed before or after a backup plan. For more details, please click <u>here</u>.

Offsite Copy

To better protect images, you may set offsite copy. Images will be automatically duplicated to FTP with the completion of backup.

Backup options			×
Performance	Enable FTP copy		
Encryption	FTP address	21	
	1 Username	Password	
E-Mail Notification	Anonymity Passive mode		
Custom Commands	Retry		
Offsite Copy	0		
Backup mode	Test connection		
File filter			
	Reset to initial settings	Save Cano	.el
Offsite Copy Backup mode	Retry 0 Test connection	Save	cel

Basic settings:

FTP address - Specify the FTP address with subdirectory included. **Port** - Specify a port number for the FTP connection. **Username** and **Password**- Input the username and password to log in the FTP.



Note:

Check **Anonymity** when there is no FTP password or user name or FTP is accessible to everyone.

Additional settings:

Retry- Set the retry times. EaseUS Todo Backup automatically retries to connect to the server as many times as it is specified in case of FTP connection failure.

Passive mode - FTP has two working modes, **PORT** and **PASV**. The default mode is PORT.

Test connection- Test parameters for FTP to make sure FTP is accessible before backup.

Backup Mode

Backup options	×
Performance	For Disk/Volume backup
Encryption	Sector by sector backup
	For File backup
E-Mail Notification	Preserve file security settings in backup
Custom Commands	Include all contents referred to Reparse Point
Offsite Copy	For SQL backup
Backup Mode	☐ Ignore backup failures and continue the task
File <mark>F</mark> ilter	
	Reset to initial settings Save Cancel

Sector by sector backup - All the data sectors and blank ones are to be backed up with **Sector by sector backup** checked. It is useful when file system error occurs. It slows down backup speed with a relatively larger image compared with normal backup.

Preserve file security settings in backup - The security attributes of NTFS encrypted files are reserved with **Preserve file security settings in backup** checked.

Include all contents referred to Reparse Point - All the Windows <u>**Reparse Point</u>** or link are included with **Include all contents referred to Reparse Point** checked. It may result in a huge image, so you not encouraged to check it.</u>

Truncate the transaction log - Log truncation frees the space preserves the log files so that these spaces can be reused by the transaction log. The main usage for this function is to prevent the log padding. Log truncation removes inactive virtual log files from the logical transaction log of the SQL Server database and frees the space in the logical log so that the physical transaction logs reuse those spaces. The transaction log will



eventually occupy all the disk space allocated to the physical log file if we never truncate it.

Ignore backup failures and continue the backup - The backup operation is to continue even after encountering one or more errors.

File Filter

File Filter is to exclude unnecessary files/folders or just back up added file types.

Backup options		×
Performance	Exclude files that meet the following conditions	
Encryption	\$Recycle.Bin	
E-Mail Notification	*.pbd	
Custom Commands	*.tmp	Delete
Offsite Copy	C:\Users\Jason\AppData\Local\Temp	
Backup mode	C:\Users\Jason\AppData\Local\Microsoft\Windows\INetCache	
File filter	ADD	
The liter	Only back up the following types of files	
	E-mail	
	Financial	
	Reset to initial settings Sa	ve Cancel

Exclude files that meet the following conditions

To add new files/folders to be excluded, please click **ADD**. To delete added files/folders to be excluded, please select the files/folder and click **Delete**.

Only backup the following types of files

It supports File backup only. To add new file types to be just backed up, please click **ADD**.

Image Check

Image Check is to automatically check the new backup images and further ensure the created backup images can be restored.



Backup options		×
Performance Encryption E-Mail Notification Custom Commands Offsite Copy Backup Mode File Filter Image Check	Automatically check new backup images Creating backup images to tape, CD/DVD, or cloud will not trigger the automatic Image Check.	
	Reset to initial settings Save Cance	1

Cloud backup

Cloud backup supports all types of backup method. Supported Cloud Storage includes **OneDrive**, **DropBox** and **GoogleDrive**.

📀 EaseUS Todo Backi	Select a Cloud drive to add	▣ _ ■ ×
TASKS	B For EaseUS Todo Backup to get authorization to access your account, please select Cloud Service to connect.	ry System Transfer
LOGS		Ay Backups\System
	Dropbox Dropbox Business Google Drive	ny buckups (system
Ø TOOLS		
🛱 SQL Credential I		
D Clone	OneDrive OneDrive for Business	
🗹 Import Task	Cancel	
ピ Export Task	Destination:	
Check Image	F-\My Backups Browse	
Create Emergen	Plan Name & Descripti 2 Desktop	
D P2V Copy	Disk 0	
D P2V Recovery	Description	
P2V Conversion	Backup Scheme: Cust	
🖭 Tape Manager	Schedule:Off Create Folder OK Cancel	
Mount/Unmour	Backup options Proceed Cancel	

Cloud storage requires to be authorized via web page. Here it is illustrated with OneDrive:



⇒ C 🖪	Microsoftat		os://acc	count.II	ve.cc公
J	۵	-	6	arphi	
Le	100 M	access yo .easeus.com		fo?	
EaseUS Too	lo Backup ne	eds your pe	rmissio	n to:	
	edit your O r info anytir Drive files				
	ange these a r account se	pplication pe ttings.	ermissic	ons at a	ny
	Yes		No		

Recovery

This feature is the reverse process of a backup. It will expand the files compressed in the backup image and restore files to the time point when the image file was created. With a simple recovery process, you can rescue the computer from a variety of disasters, such as virus infection, system crashes, partition failure and data loss.

System Recovery

Select a System Backup task first. Then directly click the **Recovery** button to restore the backup you created before.



EaseUS Todo Backup	, 5 X				• _ • ×
I TASKS	Tasks		Recovery		Task Details Advanced •
+NEW TASK	Task Name	Туре	Status	Last Result	Location
E LOGS	Local Disk (No drive I	Disk/partition backup	Completed	Successful	F:\My Backups\Local Disk
	System Backup	System backup	Completed	Successful	F:\My Backups\System Ba
	Work data	File backup	Next execution time: 2016/6/6 4:00	Successful	M:\My Backups\Work data
🖉 TOOLS 🗸 🗸	File Backup	File backup	Completed	Successful	M:\My Backups\File Backup
D Clone	Disk Backup 2015-1	Disk/partition backup	No Backup	Failed	M:\My Backups\Disk Bac
Check Image	File Backup 2015-09	File backup	No Backup	Failed	M:\My Backups\File Back
Create Emergency Disk					
P2V Copy					
P2V Recovery					
P2V Conversion					
💷 Tape Manager					
Mount/Unmount					
iscsi Initiator					
Enable PreOS					
Enable PXE					

Select the backup image to check the contents. Proceed with the restore with target location to restore selected.

Recovery				×
System Backup 2016/06/01 19:29 Full backup 💛				
Backup content:		Recover to:		
🔤 🗔 Disk 0 Basic GPT (119.24 GB)	\rightarrow	Disk 0 Basic GPT 119.24 GB		~
🗹 🖳 *: Other System Logical (0.00 Bytes Free of 100.00				
🗹 🖾 C: NTFS Boot Logical (38.56 GB Free of 67.60 GB)				
Sector by sector recovery Optimize for SSD System T	ransfer		1.51	25
		Back Proceed	Can	cel
		.81 56280	945-95	24

Attention:

The original system will be overwritten once the recovery starts. A <u>WinPE bootable disk</u> or <u>Pre-OS</u> is required for recovery in the case of OS failure.

Advanced restoration settings



These advanced settings can help you restore the backups more stably and smoothly in some special case. However, without these advanced settings, EaseUS Todo backup can still give you a full restoration.

System Transfer - Restore the image which contains windows system to dissimilar computer, for details please click <u>here</u>.

Optimize for SSD - If the destination disk is SSD, check this option will ensure sector alignment in the process.

Sector by Sector recovery - Checking this option will recover the contents from an image file sector by sector. It ensures that the recovery process finishes successfully even if there are some logic errors on the original partition or hard disk. If you want every file distributed to its original sector after recovery, checking this option will meet that goal.

Disk/Volume Recovery

Select a Disk/Volume Backup task first., then directly click the **Recovery** button to restore the backup you created before.

🚸 EaseUS Todo Backup					• – • ×
TASKS	Tasks		Recovery		了 ⊡ ⊡ Task Details Advanced •
+NEW TASK	Task Name	Туре	Status	Last Result	Location
E LOGS	Local Disk (No drive I	Disk/partition backup	Completed	Successful	F:\My Backups\Local Disk
LICENSE	System Backup	System backup	Completed	Successful	F:\My Backups\System Ba
	Work data	File backup	Next execution time: 2016/6/6 4:00	Successful	M:\My Backups\Work data
🖉 TOOLS 🛛 🗸	File Backup	File backup	Completed	Successful	M:\My Backups\File Backup
🔁 Clone	Disk Backup 2015-1	Disk/partition backup	No Backup	Failed	M:\My Backups\Disk Bac
Check Image	File Backup 2015-09	File backup	No Backup	Failed	M:\My Backups\File Back
Create Emergency Disk					
P2V Copy					
P2V Recovery					
P2V Conversion					
🖭 Tape Manager					
Mount/Unmount					
iSCSI Initiator					
Finable PreOS					
Enable PXE					

Select the backup image to check the contents. Proceed with the restore with target location to restore selected.



ckup content:	Rec	over to:				
Disk 1 Basic GPT (111.79 GB)	\rightarrow	Disk 1 E	Basic GPT 11	1.79 GB	~	Layou
☑ 🗔 *: Other Primary (0.00 Bytes Free of 450.00 MB)						
Image: A state of the system Primary (0.00 Bytes Free of 100.00))					
Content of the second s						

When recovering a backup in v9.3 and later version, each target partition can be selected separately. This gives you the option to recover the partition you backed up to a specified partition.

Recovery					×
Partitions backup 2016/06/28 15:31 Full backup					
Backup content:	Reco	over to:			_
Disk 1 Basic GPT (111.79 GB)					
☑ 🗔 *: Other Primary (0.00 Bytes Free of 450.00 MB)	\rightarrow	Disk 0 BACKUP(E:) NTFS 184.60 GB	\sim		
🔽 🛄 *: Other System Primary (0.00 Bytes Free of 100.00	->	Disk 0 VMware(F:) NTFS 10.03 GB F	~		
Content of the second s	\rightarrow	NONE SELECTED	\sim		
System Transfer					
System mansier		Park		Conce	
		Back Proceed		Cance	

Note:

when you proceed a Disk/Volume recovery, the data on destination drive will be- 29 -Copyright © 2004 - 2020 EaseUS. ALL RIGHTS RESERVED.



overwritten, please be careful that selecting the correct drive to restore.

Advanced restoration settings

These advanced settings can help you restore the backups more stably and smoothly in some special case. However, without these advanced settings, EaseUS Todo backup can still give you a full restoration.

System Transfer - Restore the image which contains windows system to dissimilar computer, for details please click <u>here</u>.

Optimize for SSD - If the destination disk is SSD, check this option will ensure sector alignment in the process.

Sector by Sector recovery - Checking this option will recover the contents from an image file sector by sector. It ensures that the recovery process finishes successfully even if there are some logic errors on the original partition or hard disk. If you want every file distributed to its original sector after recovery, checking this option will meet that goal.

Decide the partition size after recovery

When the size on target disk is changed, EaseUS Todo Backup will automatically accommodate the partitions or you may edit the size yourself before the recovery.

Recovery		×
Local Disk (No drive letter) 2016/06/01 19:41 Full backup		
Backup content:	Recover to:	_
🗹 🗔 Disk 0 Basic GPT (119.24 GB)		
🗹 🚐 *: Other Logical (0.00 Bytes Free of 300.00 MB)	Disk 1 Work(E:) NTFS 14.72 GB Fre 🛛 🗸 Layou	t
Layout after recovery: (You can drag the disk to resize/move it	e it.) OI	
Hard disk 1 96.49 GB		
Sector by sector recovery Optimize for SSD System	em Transfer Back Proceed Cancel	

1. Select the destination disk and click **Layout** button.

2. Once the disk structure is displaying. Drag the partition to determine the size after restoration Then click **Proceed** to restore.

Dynamic volume recovery

Dynamic volume recovery is similar to partition recovery on basic disk.



As a kindly reminder, dynamic volume with operating system will be a primary partition after being recovered to a basic disk.

File Recovery

Select a File Backup task first., then directly click the **Recovery** button to restore the backup you created before.

📀 EaseUS Todo Backup					
I TASKS	Tasks		Recovery	O E Backup - Edit	7 🔄 🗔 Task Details Advanced 🗸
+NEW TASK	Task Name	Туре	Status	Last Result	Location
E LOGS	Local Disk (No drive I	Disk/partition backup	Completed	Successful	F:\My Backups\Local Disk
LICENSE	System Backup	System backup	Completed	Successful	F:\My Backups\System Ba
	Work data	File backup	Next execution time: 2016/6/6 4:00	Successful	M:\My Backups\Work data
₿ TOOLS ∨	File Backup	File backup	Completed	Successful	M:\My Backups\File Backup
🖸 Clone	Disk Backup 2015-1	Disk/partition backup	No Backup	Failed	M:\My Backups\Disk Bac
Check Image	File Backup 2015-09	File backup	No Backup	Failed	M:\My Backups\File Back
Create Emergency Disk					
P2V Copy					
P2V Recovery					
P2V Conversion					
🖭 Tape Manager					
Mount/Unmount					
iSCSI Initiator					
Finable PreOS					
Enable PXE					

Select the backup image to check the contents. Proceed with the restore with target location to restore selected.



ckup content:				
🗹 🛄 C:	Name	Size	Туре	Date Modified
🔺 💟 🗁 Users	🖾 🗁 Desktop		Folder	2016/4/23 11:34
🕨 🗹 🗁 Desktop				
🖻 🗹 Desktop				

The Search box is able to search specify files from image to recover.

Recover to original location - Recover the files and folders to original or a different location.

Replace existing files - After checking this option, the original files and folders will be overwritten after recovery.

Smart Recovery

Select a Smart Backup task first, then directly click the **Recovery** button to restore the backup you created before.



🔶 EaseUS Todo Backup	ā				• _ • ×	
IASKS	Tasks		Recovery	Recovery Disable Edit Task Details Advanced ▼		
+NEW TASK	Task Name	Туре	Status	Last Result	Location	
	Smart Backup	Smart backup	Smart Backup is protecting your files	Successful	F:\My Backups\Smart Bac	
LICENSE	Local Disk (No drive I	Disk/partition backup	Completed	Successful	F:\My Backups\Local Disk	
	System Backup	System backup	Completed	Successful	F:\My Backups\System Ba	
₿ TOOLS ∨	Work data	File backup	Next execution time: 2016/6/6 4:00	Successful	M:\My Backups\Work data	
다. Clone	File Backup	File backup	Completed	Successful	M:\My Backups\File Backup	
Check Image	Disk Backup 2015-1	Disk/partition backup	No Backup	Failed	M:\My Backups\Disk Bac	
🔍 Create Emergency Disk	File Backup 2015-09	File backup	No Backup	Failed	M:\My Backups\File Back	
P2V Copy						
P2V Recovery						
P2V Conversion						
🖭 Tape Manager						
Mount/Unmount						
iscsi Initiator						
Enable PreOS						
Enable PXE						

Select the backup image to check the contents. Proceed with the restore with target location to restore selected.

Recovery					□ ×	
Smart Backup 2016/06/05 10:	:36 Full backup					
Backup content:					Q	
4 🗹 🛄 C:	Name Size		Туре	Date Modified		
🔺 🗹 🗁 Users	🗹 🗁 Favorites		Folder	2016/5/14 19:33		
🔺 🛃 🗁 Jason						
O Recover to				 ✓ Bro 	owse	
• Recover to original location						
Replace existing files			12			
			Back	Proceed C	ancel	

Recovery for Smart Backup is similar to File recovery.

Mail Recovery

Select a Mail Backup task first, then directly click the **Recovery** button to restore the backup you created before.

- 33 -



Select the backup image to check the contents. Proceed with the restore with target location to restore selected.

Recovery					-	×
Microsoft Outlook_20151231_Full_v1	2016/01/19 13:26 Full backup	\sim				
▶ 🗹 🖂 Microsoft Outlook						
Recovery to				~	Browse	a
Recover to original location						
			Back	Proceed	Cance	2l

Note:

The existing emails/contacts will not be overwritten. In another word, it is a filling-up restore in the process of mail recovery.

Browse to Recover

Sometimes, If the backup plans lost due to re-install EaseUS Todo Backup, and you cannot find the plan record in Home page. Or you try to restore under WinPE emergency disk. Then the **Recovery** option is necessary.

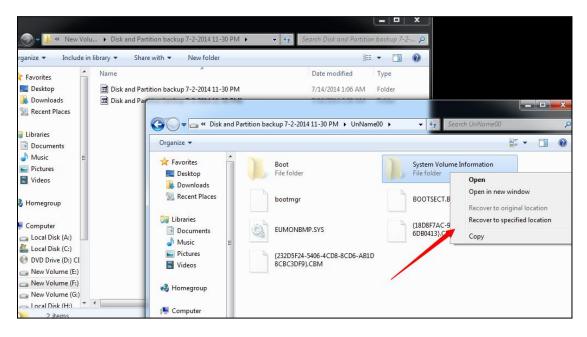


🗹 TASKS				1	() ()
	Tasks			New Task	Recovery System Transfer
+NEW TASK	Task Name	Туре	Status	Last Result	Location
E LOGS	Smart Backup	Smart backup	Smart Backup is protecting your files	Successful	F:\My Backups\Smart Bac
	Local Disk (No drive I	Disk/partition backup	Completed	Successful	F:\My Backups\Local Disk
	System Backup	System backup	Completed	Successful	F:\My Backups\System Ba.
🖗 tools 🛛 🗸	Work data	File backup	Next execution time: 2016/6/6 4:00	Successful	M:\My Backups\Work data
Clone	File Backup	File backup	Completed	Successful	M:\My Backups\File Backu
Check Image	Disk Backup 2015-1	Disk/partition backup	No Backup	Failed	M:\My Backups\Disk Bac
Create Emergency Disk	File Backup 2015-09	File backup	No Backup	Failed	M:\My Backups\File Back
P2V Copy					
P2V Recovery					
P2V Conversion					
Tape Manager					
Mount/Unmount					
iSCSI Initiator					
Enable PreOS					
Enable PXE					

Click this button to locate your image file manually from Windows directory tree for restoration.

Individual File Recover

EaseUS image files can be directly accessed. You can double click on the .PBD image file or right click it and choose open to browse it. Find the target file, right click it to display the menu, and then **open, copy** and **recover** specified files in the image.



System Transfer



Since most hardware requires corresponding driver installed to be functional, users cannot simply move system to a new machine with different hardware configuration and expect the system to run as original due to lack of necessary hardware driver.

EaseUS Todo Backup provides **System Transfer** feature which can help users solve the trouble easily. The most common situations this option can handle are:

- 1. Migrate system to a new and more powerful PC.
- 2. Restore and keep old system available after some hardware upgraded.

EaseUS Todo Backup					□ – □ >
🗹 TASKS	Tasks			New Task	C 보 Recovery System Transfer
+NEW TASK	Task Name	Туре	Status	Last Result	Location
E LOGS	Smart Backup	Smart backup	Smart Backup is protecting your files	Successful	F:\My Backups\Smart Bac.
	Local Disk (No drive I	Disk/partition backup	Completed	Successful	F:\My Backups\Local Disk.
	System Backup	System backup	Completed	Successful	F:\My Backups\System Ba.
🖉 tools 🛛 🗸	Work data	File backup	Next execution time: 2016/6/6 4:00	Successful	M:\My Backups\Work data
🖸 Clone	File Backup	File backup	Completed	Successful	M:\My Backups\File Backu
Check Image	Disk Backup 2015-1	Disk/partition backup	No Backup	Failed	M:\My Backups\Disk Bac
Create Emergency Disk	File Backup 2015-09	File backup	No Backup	Failed	M:\My Backups\File Back
P2V Copy					
P2V Recovery					
P2V Conversion					
🖾 Tape Manager					
Mount/Unmount					
iSCSI Initiator					
Enable PreOS					
Enable PXE					

Preliminary

Essential preparations before the recovery include:

1. A valid system image file created with **System backup** or **Disk/partition backup** option. 2. A proper **WinPE emergency disk/USB** which can be loaded on target machine correctly.

3. The inf driver file of the new hardware on target machine.

Note:

It is allowed to place the system image file and the inf driver file on the WinPE bootable drive if you have enough free space there.

Steps

1. Load target machine from the WinPE emergency disk and ensure the drive which contains system image files has connected to the machine already.

- 2. Find the option **System Transfer** in the main window.
- 3. Browse and load the system image file.



System Transfer	Browser to Recover	□ ×
Select a task for recove Backup task Local Disk (No drive le System Backup	 401d714db77145b8629093746a59304e BaiduYunDownload EverySync FavoriteVideo My Backups Local Disk (No drive letter) Smart Backup Smart Backup_6 3 2016 4 50 10 PM Smart Backup_20160603_Full_v1.pbd System Backup QLDownload Snagit Svstem Volume Information File name: \$mart Backup_20160603_Full_v1.pbd \$mart Backup_20160603_Full_v1.pbd 	Browse Local Disk (No drive I System Backup
	OK Cancel	ext Cancel

4. Select the target drive to restore.

5. Confirm the effect if restoration completes.

System Transfer				□ ×
System_GoBack_Free	2015/07/22 20:48 Full backup			
Backup content:			Recover to:	
🖬 🦾 Disk 0 Basic Gl	PT (119.24 GB)	\rightarrow	Disk 0 Basic GPT 119.24 GB	\sim
🖬 🗔 *: Other Sys	stem Logical(0.00 Bytes Free of 100.00			
C: NTFS Boo	ot Logical (32.74 GB Free of 68.41 GB)			
Sector by sector re	covery 🗌 Optimize for SSD 🛛 🖉 System Ti	ransfer		
			Back Proceed	Cancel

Note:

Sometimes, if you have some special hard drives, say, hardware RAID, SCSI drive, they may be not listed by default in WinPE environment. Then corresponding driver needs to be installed in order to make the drives available. For more info, you can read: What to do if the drive cannot be listed by default.



6. After system recovery finishes, you may get some prompted windows asking for driver (.inf file) of a specific hardware. You can find the driver according to the listed hardware info, and add it to ensure you can load from the system normally after the entire system migration is done.

Clone

It's a common job to replace the hard drive where Windows exists. This may be resulted from a failing drive or requirement for larger disk capacity. **Disk Clone** option in EaseUS Todo Backup can deal with the job easily.

Disk Clone

Disk clone will transfer all data (include operating system and program) on the selected hard disk to another. It is especially useful when you want to replace hard disk with a new one. For a successful disk clone, please ensure that the capacity of destination disk is larger than the used space of source disk.

Steps

✓ TASKS	Tasks			New Task	아 보 Recovery System Transfe
+NEW TASK	Task Name	Туре	Status	Last Result	Location
E LOGS	Smart Backup	Smart backup	Smart Backup is protecting your files	-	D:\My Backups\Smart
LICENSE	File Backup(1)	File backup	Completed	Successful	D:\My Backups\File Ba
	Microsoft Outlook-2	Office Outlook backup	No Backup	Failed	D:\My Backups\Micros
₿ TOOLS	Local Disk (No drive I	Disk/partition backup	Completed	Successful	D:\My Backups\Local
🗟 SQL Credential Manager	File Backup (4)	File backup	Completed	Successful	D:\My Backups\File Ba
Clone	Microsoft Outlook1	Office Outlook backup	Completed	Successful	D:\My Backups\Micros
f Import Task	Local Disk (No drive I	Disk/partition backup	Completed	Successful	D:\My Backups\Local
🖞 Export Task	File Backup (3)	File backup	Completed	Successful	G:\My Backups\File Ba
Check Image	File Backup (2)	File backup	Completed	Successful	I:\File Backup (2)
Create Emergency Disk	System backup	System Backup	No Backup	Failed	G:\My Backups\Syste
P2V Copy	Favorites	File backup	Schedule paused	Successful	G:\My Backups\Favorit.
P2V Recovery	Disk 1	Disk/partition backup	No Backup	Failed	G:\My Backups\Disk 1
P2V Conversion	File Backup (1)	File backup	Completed	Successful	G:\My Backups\File Ba
Tape Manager	Partitions backup	Disk/partition backup	Completed	Successful	G:\My Backups\Partiti
	File Backup	File backup	Completed	Successful	G:\My Backups\File Ba
SUPPORT	TEST	File backup	Completed	Successful	GAMy Backups TEST

1. Click **Clone** option in **TOOLS**.

2. Select source disk first. Then proceed with the target disk checked.



Disk/Partition Clone			×
From:		To:	
🗹 🗔 Disk 0 Basic GPT (119.24 GB)	\rightarrow	Disk 1 Basic GPT 465.76 GB	✓ Layout
A term of the second			
☑ 🔄 *: Other System Primary (0.00 Bytes Free of 100.00			
☑ 🔄 *: Other Primary (0.00 Bytes Free of 128.00 MB)			
C: NTFS Boot Primary (36.21 GB Free of 67.60 GB)			
☑ 🔄 *: Other Primary (0.00 Bytes Free of 824.00 MB)			
D: NTFS Primary (12.13 GB Free of 50.32 GB)			
🗆 🔚 Disk 1 Basic GPT (465.76 GB)			
E: NTFS Primary (14.65 GB Free of 96.49 GB)			
C			
Sector by sector clone Optimize for SSD			
		Next	Cancel

Tips:

Click Layout to display the structure on target disk. Drag the partition to resize the partition on target disk after clone.

Disk/Partition Clone	×
From: Disk 0 Basic GPT (119.24 GB) Solution: Solutio	To: → Disk 1 Basic GPT 465.76 GB ✓ Layout
Layout after recovery: (You can drag the disk to resize/move it.)	ОК
Hard disk 1 465.76 GB Sector by sector clone Optimize for SSD	Next Cancel

3. Click **Next** to start the disk clone.

Advanced clone settings



These advanced settings can help you clone a drive more stably and smoothly in some special case. However, without these advanced settings, EaseUS Todo backup can still give you an exact and intact clone.

Optimize for SSD - If the destination disk is an SSD, checking this option will ensure sector alignment in the process.

Sector by sector clone - A sector by sector clone ensures that the destination hard disk/partition is exactly the same as the source hard disk/partition. It will clone all the sectors if the option is checked, even if the sector is blank. As a result, the target will be equal in size to the disk being cloned after the process. This option is found in the same step where you choose the destination hard disk/partition both in the Disk clone and Partition clone wizard.

Note:

The disk/partition cannot be resized if you choose to clone your disk in the Sector by sector mode.

Partition Clone

Though backup is very convenient and systematic, yet partition clone is still a simple and intuitive way to create an exact same copy of partition.

Step

1. Select source partition(s) first. Then proceed with the target partition(s) checked.

Disk/Partition Clone	×
From:	To:
Disk 0 Basic GPT (119.24 GB)	
🗹 🦳 *: Other Primary (0.00 Bytes Free of 300.00 MB)	→ Disk 0 (*:) Other 0.00 Bytes Free of V Layout
□ 🔤 *: Other System Primary (0.00 Bytes Free of 100.00	
Cher Primary (0.00 Bytes Free of 128.00 MB)	
C: NTFS Boot Primary (36.18 GB Free of 67.60 GB)	
Cher Primary (0.00 Bytes Free of 824.00 MB)	
D: NTFS Primary (12.13 GB Free of 50.32 GB)	
🗌 🚍 Disk 1 Basic GPT (465.76 GB)	
E: NTFS Primary (14.65 GB Free of 96.49 GB)	
C	
Sector by sector clone Optimize for SSD	
	Next Cancel

Tips: Click Layout to display the structure on target disk. Drag the partition to resize the - 40 Copyright © 2004 - 2020 EaseUS. ALL RIGHTS RESERVED.



partition on target disk after clone.

Disk/Partition Clone	×
From:	То:
Disk 0 Basic GPT (119.24 GB)	
: Other System Primary (0.00 Bytes Free of 100.00	→ Disk 0 (:) Other 0.00 Bytes Free of V Layout
C: NTFS Boot Primary (36.18 GB Free of 67.60 GB)	
	1
D: NTFS Primary (12.13 GB Free of 50.32 GB)	
Layout after recovery: (You can drag the disk to resize/move it.)	OK
Set active	
Hard disk 0 *: (Other)	
301.00 MB 194.34 MB	
Sector by sector clone Optimize for SSD	
 Contraction Contraction Contractions Contraction Contraction Contraction 	Next Cancel
	Next Cancer

3. Click **Next** to start the partition clone.

Dynamic Disk/volume clone

Dynamic disk/volume clone is supported. All the dynamic volumes on different disks are listed all together.

System Clone

This option enables you to migrate your system to a new hard drive only.

1. Click "Clone" under "TOOLS"



					1
Z TASKS	Tasks			New Task	Recovery System Transfe
+NEW TASK	Task Name	Туре	Status	Last Result	Location
E LOGS	Smart Backup	Smart backup	Smart Backup is protecting your files	31	D:\My Backups\Smart
LICENSE	File Backup(1)	File backup	Completed	Successful	D:\My Backups\File Ba
-	Microsoft Outlook-2	Office Outlook backup	No Backup	Failed	D:\My Backups\Micros
Ø TOOLS 🗸 🗸	Local Disk (No drive I	Disk/partition backup	Completed	Successful	D:\My Backups\Local
🗛 SQL Credential Manager	File Backup (4)	File backup	Completed	Successful	D:\My Backups\File Ba
D Clone	Microsoft Outlook1	Office Outlook backup	Completed	Successful	D:\My Backups\Micros
🗗 Import Task	Local Disk (No drive I	Disk/partition backup	Completed	Successful	D:\My Backups\Local
🗗 Export Task	File Backup (3)	File backup	Completed	Successful	G:\My Backups\File Ba
Check Image	File Backup (2)	File backup	Completed	Successful	I:\File Backup (2)
Create Emergency Disk	System backup	System Backup	No Backup	Failed	G:\My Backups\Syste
P2V Copy	Favorites	File backup	Schedule paused	Successful	G:\My Backups\Favorit
P2V Recovery	Disk 1	Disk/partition backup	No Backup	Failed	G:\My Backups\Disk 1
P2V Conversion	File Backup (1)	File backup	Completed	Successful	G:\My Backups\File Ba
🔄 Tape Manager	Partitions backup	Disk/partition backup	Completed	Successful	G:\My Backups\Partiti
	File Backup	File backup	Completed	Successful	G:\My Backups\File Ba
	TEST	Eile backup	Completed	Succossful	GMMy Backups/TEST

2. Select "**System Clone**". The current system partition and boot partition will be automatically selected. Next select the drive you want to clone to in the drop-down box.

🔶 EaseUS Todo Backup	Trial				l	⊒ _ — ×
TASKS	Tasks	Recovery		isable Edit Task	and the second second	anced 👻 Export Task
+NEW System	clone	Recordy	buckup b	LOIC LOIC HUSK		× ocation
E LOGS From:		То:				:\my backup
LICENSE	ystem clone	E C				l:∖My Backu
19 TOOLS	0isk 0 Basic GPT (60.00 GB)] *: FAT32 System Primary (170.69 MB	Free of 200.00	NONE SELEC		~	
	∃ *: Other Primary (0.00 Bytes Free of '		Disk 3 Basic	GPT 60.00 GB		
🖵 Clone 🔤	C: NTFS Boot Primary (29.86 GB Free	of 40.15 GB)				
🗹 Import Ta 🔤 🗐	E: NTFS Primary (19.43 GB Free of 19).53 GB)				
🗗 Export Ta 🗌 🗋 🛙	Disk 3 Basic GPT (60.00 GB)					
🗹 Check Im 🗌 🗐	☐ *: Other Primary(0.00 Bytes Free of '	128.00 MB)				
🔍 Create Er 🗌 🗌	H: NTFS Primary (48.73 GB Free of 48	8.83 GB)				
🗊 P2V Copy 🔒 Disk	1 Dynamic (120.00 GB)					
D P2V Reco						
同 P2V Conv				Proce	ed Canc	
30 Davis				1000	Canc	
Trial time remaining.						
Activate Now						

Please make sure the capacity of the unallocated space on your target drive is larger than the total size of your boot and system partition, or you will encounter the error below:



📀 EaseUS Too	lo Backup Trial			leth.				_ = ×
🗹 TASKS	Tasks	() Recovery	O Backup ▼	O Disable	C Edit Task	C: Details		Export Task
+ NEW	System clone						□ ×	ocation
E LOGS	From:	To:						:\my backup
LICENSE	☑ 🔄 System done ■ 🖵 Disk 0 Basic GPT (60.00 GB)	→	Disk 3 Ba	asic GPT 60	0.00 GB	~	Settings	≧\My Backu
TOOLS	Image: A State of Provide on P	0.00	Disk 9 De				o criming o	
SQL Back	🗌 🚍 *: Other Primary (0.00 Bytes Free of 128.00 MB	3)						
Clone Clone	🗹 🛄 C: NTFS Boot Primary (29.86 GB Free of 40.15	GB)						
🗹 🛛 Import Ta	🗌 🚍 E: NTFS Primary (19.43 GB Free of 19.53 GB)							
🗗 Export Ta	Disk 3 Basic GPT (60.00 GB)							
🗹 Check Im	🗌 🚍 *: Other Primary (0.00 Bytes Free of 128.00 MB	3)						
Create Er	🗌 🛄 H: NTFS Primary (48.73 GB Free of 48.83 GB)							
D P2V Cop	🖨 Disk 1 Dynamic (120.00 GB)							
D P2V Reco	No enough unallocated space on the target disk.							
同 P2V Con							<u> </u>	
30 Da					Proce	ea	Cancel	
Trial time re								
Activate	e Now							

System clone will not delete or wipe the existing partitions on your target drive.

3. Click **"Settings**" to customize this clone task. **"Optimize for SSD**" is highly suggested if your target drive is an SSD.

KaseUS Too	o Backup Trial						_ = ×
M TASKS	Tasks				New Task	G Recovery	System Transfer
+NEW	System done				TTCH TUSK	□ ×	ocation
E LOGS	From:		To:			0	:\my backup
LICENSE	System clone						∷\My Backu
TOOLS	Disk 0 Basic GPT (60.00	GB) ary (170.69 MB Free of 200.00	<i>→</i>	Disk 3 Basic GPT 60.00 GB	~	Settings	
SQL Back		0 Bytes Free of 128.00 MB)					
D Clone	C: NTFS Boo	gs		×			
🛃 İmport Ta	E: NTFS Prim	tor by sector clone					
🖻 Export Ta	🔲 🖨 Disk 3 Basic GP1 🔲 Op	timize for SSD					
Check Im	🗌 🚍 *: Other Prim		OK	Cancel			
Create Er	Disk 1 Dynamic (12						
P2V Cop	🔲 🦳 F: NTFS, Simple Logi	al (29.19 GB Free of 29.30 GB)					
P2V Reco							
同 P2V Con				Pr	oceed	Cancel	
30 Da	V(5)					Currect	
Trial time re	and the second se						
Activate	Now						

4. Click "Proceed".



5. After the process is completed, please reboot your computer to your target drive.

Tip: System Clone is not available for use under the condition that your system partition and boot partition are not on the same drive. Please follow the instruction in <u>here</u> to redirect your boot and system partitions into one drive if it is your situation.

Advanced Server

Nowadays, server administrators are supposed to utilize different tools to perform better business data management, such as MS Exchange for email management, MS SQL for relational data query and update. This data is very important for the daily work of a company. The server administrator has the responsibility of keeping the physical security, integrity, and safety of the data. A regular backup is really a good habit, which not only helps users face the unexpected server failure, but also saves the data in a specified status.

With EaseUS Todo Backup **Advanced Server Edition** and **Technician** Edition, you can quickly and easily backup Exchange server, MS SQL server and archive image file to Tape device for better management and storage.

Exchange Backup

Exchange Server is the physical/virtual server with Microsoft Exchange installed. It is a server product from Microsoft. Its main features include electronic mail, calendaring, contacts and tasks; supports for mobile and web-based access to information; and supports for data storage. With the current version of EaseUS Todo Backup, you may select the storage group and individual mail folder as the basic backup unit.

EaseUS Todo Backup supports the following Exchange versions: Exchange 2003, 2007, 2010, 2013 and 2016

Start backup

Please ensure the Exchange server is mounted before executing the backup task. Then click **Other Backups** > **Exchange backup** in backup area to start the process.

- 1. Specify the task/plan name and Description.
- 2. Select the backup source. Now there are two ways to backup Exchange.

Storage group mode



Backup								×
Disk/Volume	File	Mail	ExchangeDB	ExchangeMail	SQL			_
		RKJD7B8. orage Gro	Jason.com up					
Destination: F:\My Backups	10				37.19 GB Free of	40.00 GB 🛛 🗠	Brows	e
Plan Name & E First Storage G		on:						- 1
Description Backup Scheme		72						
 Schedule: (Backup c 		V Back	up Cleanup: Non	e		Proceed	Canc	el

Mailbox mode

Backup						□ ×
Disk/Volume	File	Mail	ExchangeDB	ExchangeMail	SQL	
• • • • •	First Sto	rage Gro box Datal dministra bca bca1	base			
F:\My Backups	81				37.19 GB Free of 40.00 GB	Browse
Plan Name & D	escriptio	n:				
Exchange mail	oox backu	qu				
Description						
Backup Scheme		🖋 Back	up Cleanup: Non	e		



3. Specify where to save the image file. A Local disk, Network directory or Tape drive can be set as the backup destination. Click the Down Arrow to get the destination history.

4. Click **Proceed** to finish the setting. The backup will be executed immediately if the schedule is not configured.

Start recovery

This is a reverse process of Exchange backup. You can restore Exchange storage groups or mail folder with this feature.

1. Locate the Exchange backup plan and click Recovery.

2. Choose one History version of the Exchange images.

3. Specify which storage group/mailbox to recover. It is unnecessary to choose the entire content if you just want to recover part of it, such as only choosing one storage group in an image file which includes multiple storage groups.

4. Confirm every detail about the current recovery, click Proceed to implement it. EaseUS Todo Backup will automatically recover the storage group to its original location, so you don't need to specify the destination.

Note:

Existing mail will not be overwritten when recovering an Exchange mailbox backup image.

SQL Backup

SQL is an acronym of Structured Query Language which is designed for managing data in relational database management systems. Produced by Microsoft, the main function of **Microsoft SQL Server** includes insert data, query updates/deletes, create/modify schema, and data control access, etc.

MS SQL 2005/2008/2008 R2/2012/2014/2016/2017/2019 are supported by EaseUS Todo Backup.

The extension of MS SQL backup image file is .PBD.

User Authentication

Click **NEW TASK** > **SQL** in the menu. An authentication box will pop up. Input a valid Windows administrator or a SQL server account to get through the authentication. The authentication can also be finished by the function **TOOLS** > **SQL Credential Manager**.

Start backup

After authenticating, you will be presented with a SQL backup function.



Backup						×
Disk/Volume File Mail	ExchangeDB	ExchangeMail	SQL			
▲ WIN-BFC2RKJD7B8\SQLE	XPRESS					
Z EaseUS						
EaseUS(1)						
KFB						
🗹 master						
🔽 model						
sdb						
Destination:						
F:\My Backups			37.19 GB Free of 40.00 GB	V	Browse	
Plan Name & Description:						
SQL Database Backup						14 14
Description						
Backup Scheme:						
Schedule: Off ✓ Backs	up Cleanup: Non	e				
Backup options			Proceed	d .	Cance	1

1. Specify the task/plan name and Description.

2. Check the Instance or database you want to back up.

3. Specify where to save the image file. A Local disk, Network directory or Tape drive can be set as the backup destination. Click the Down Arrow to get the destination history.

4. Click **Proceed** to finish the setting. The backup will be executed immediately if the schedule is not configured.

Start recovery

This is a recovery process of SQL backup.



Recovery	□ ×
Backup of EaseUS(2) 2017/03/15 15:19 Increment	al backup
Backup content:	Recover the database to:
VIN-BFC2RKJD7B8\SQLEXPRESS	2
EaseUS	→ Instance: <u>WIN-BFC2RKJD7B8\SQLEXPRESS</u> Path: <u>C:\Program Files\Microsoft SQL Server\MSSQL12.S</u> Overwrite the existing database with the same name.
☐ Ignore recovery failures and continue the task	Back Proceed Cancel

1. Locate the plan backup plan and click **Recovery**.

2. Choose one History version of the SQL images.

3. Specify which Instance and Path to recover. The Overwrite function can be checked if you need to overwrite the existing database with the same name.

4. Confirm every detail about the current recovery, click Proceed to implement it. EaseUS Todo Backup will automatically finish the recovery.

Tools

There are some useful options in **Tools** menu. Part of them can make your backup/recovery process more efficient and flexible.



ß	TOOLS	\sim
B	SQL Credential Manager	
및	Clone	
ď	Import Task	
Ľ	Export Task	
~	Check Image	
6	Create Emergency Disk	
đ	P2V Copy	
5	P2V Recovery	
22	Tape Manager	
n	Mount/Unmount	
5	iSCSI Initiator	

- Enable PreOS
- Enable PXE
- E Refresh Disk

Import/Export Task

To export and archive your backup tasks is an efficient method to protect all the tasks you make from being accidentally lost or damaged due to program or system upgrades and other potential disasters. The exported tasks are able to be imported at any time to your computer or any other computers with Todo Backup installed.

Export Task

1. Click "Export Task" under "TOOLS"



EaseUS Todo Backup					
M TASKS	Tasks		Vew Tas	Recovery	System Transfer
+NEW TASK	Task Name	Туре	Status	Last Result	Location
🗉 LOGS	Local Disk (H)	Disk/partition backup	Next execution time: 2016/11/03 16:00	Successful	G:\My Backu
LICENSE	task one	Disk/partition backup	Completed	Successful	E:\my backup
	Local Disk (G)(1)	Disk/partition backup	Next execution time: 2016/11/03 16:00	•	C:\My Backu
/P TOOLS 🔍	Local Disk (G)	Disk/partition backup	Next execution time: 2016/11/03 16:00	Successful	C!\My Backu.
및 Create Emergency Disk 회 P2V Copy 회 P2V Recovery					
P2V Conversion					
Tape Manager					
Contemport-Strendstorer					
Mount/Unmount					
Mount/Unmount					

2. All the existing backup tasks in Todo Backup will be listed in "Export Task" window. Select the ones you would like to export and click "**Export**"

📏 EaseUS '	Todo Backup			۵
TASKS	Tasks			New Task Recovery
+NE	Export Task			
E LOGS	Select tasks to export			
LICENS	Task Name	Туре	Date created	Location
	Local Disk (G)	Disk/partitio	n ba 2016-11-02 14:09	C:\My Backups\Local Disk (G)
/ TOOLS	🔲 task one	Disk/partitio	n ba 2016-11-02 15:31	E\my backup\task one
d Import	t 🛛 Local Disk (H)	Disk/partitio	n ba 2016-11-03 14:06	G:\My Backups\Local Disk (H)
Export	T Local Disk (G)(1)	Disk/partitio	n ba 2016-11-02 14:09	C:\My Backups\Local Disk (G)(1)
Check	In			
@ Create	E			
🗊 P2V Co	or			
P2V Re	10			
🗊 P2V Co	or			
💷 Tape M	ta			*
🖾 Mount	л			Export Exit
El income				

3. Rename the file and select your destination to save it. The file will be saved using the suffix ".tbbak".



🛃 TASKS	Task	s	New Task Recovery	System Transfer
+NEV	Export Task	Export	×	
E LOGS	Select tasks to export	E Library		Wy Backu
	Task Name	My Documents		vmy backup
El menue	Local Disk (G)	Favorites	ips\Local Disk (G)	My Backu.
Directory Tools	L task one	This PC	p\task one	Wy Backu
⊴ Import	Local Disk (H)	S Network B NAS Device	ps\Local Disk (H)	
🕈 Export 1	Local Disk (G)(1)	Desktop	ips\Local Disk (G)(1)	
Check In				
🕄 Create E				
P2V Cor				
🗊 P2V Reo				
P2V Cor		File name: Task 1A		1
🗉 Tape Ma		File type: *.tbbak	~	
🛾 Mount/		OK	Cancel port Exit	1
및 iSCSI Init	10.001			<u> </u>
Enable Pr	reOS			
Enable P	ve			

Import Task

1. Click "Import Task" under "TOOLS"

EaseUS Todo Backup					
TASKS	Tasks		Distance Sector	C+ k Recovery	System Transfer
+NEW TASK	Task Name	Туре	Status	Last Result	Location
LOGS	Local Disk (H)	Disk/partition backup	Next execution time: 2016/11/03 16:00	Successful	G:\My Backu.
LICENSE	task one	Disk/partition backup	Completed	Successful	El\my backup
	Local Disk (G)(1)	Disk/partition backup	Next execution time: 2016/11/03 16:00	•	C:\/My Backu
S TOOLS	Local Disk (G)	Disk/partition backup	Next execution time: 2016/11/03 16:00	Successful	C:\My Backu
f Import Task 🛛 🔶					
3 Export Task					
Check Image					
Create Emergency Disk					
P2V Copy					
P2V Recovery					
P2V Conversion					
3 Tape Manager					
and the second					
Mount/Unmount					
Mount/Unmount					

2. Go to the destination and select the ".tbbak" file you would like to import.



🔶 EaseUS Todo Backup				_ = ×
🗹 TASKS	Tasks	New Tas	Recovery	말 System Transfer
+NEW TASK	Tass Import Task X		Last Result	Location
E LOGS	Loc Elbrary	16:00	Successful	G:\My Backu
LICENSE	Loc P Favorites	16:00	Successful	El\my backup C:\My Backu
🖉 TOOLS 🛛 🗸	Loc P 💮 Network	16:00	Successful	C:\My Backu
 Import Task Export Task Check Image Create Emergency Disk P2V Copy Course 	En NAS Device Desktop Task 1A.tbbak TaskExport.tbbak TaskExport1.tbbak			
P2V Recovery P2V Conversion Tape Manager Mount/Unmount iSCSI Initiator	File name: Task 1A.tbbak File type: tbbak OK Cancel			
Enable PreOS Enable PXE				

3. Select the tasks you want to reuse and Click "Import"

🔶 E	aseUS To	do Bac	kup					۵	-	•	×
	TASKS			Tasks			New Task	Recovery	Syster	발 n Transfe	
	+NEV	Impo	ort Task				-	×	bca	tion	-
	LOGS	Impo	ort tasks fro	m Task 1A.tbbak				Browse	M	y Backu.	
à	LICENSE		Task Name		Туре	Date created	Location			/ backup	<u>}</u>
ß.	TOOLS		Local Disk	(H)	Disk/partition ba	2016-11-03 14:06	G:\/My Backups\/Local	Disk (H)	M	y Backu.	-
	10013					0.21			M	y Backu.	-
ď	Import 1										
C,	Export T										
	Check In										
©;	Create E						0.00				
ø	P2V Cop					1.2					
ø	P2V Reo						1				
ø	P2V Cor										
	Tape Ma										
	MountA								ı.		
	iSCSI IniA						Import	Exit	1		
	Enable P										
	Enable P										

4. Return to the Task Window. The imported backup task will be listed there.

Tip: - 52 -



Newly imported backup task may fail to be executed at the scheduled time as the previously specified backup source could not be located or the target path could not be accessed with the change of hard drive configuration.

When that happens, please edit the task and update your settings.

Due to the reason above, when you use the task onto another computer, it is highly suggested to check and update all the settings after the task is imported to make sure the task is able to be correctly executed.

Check Image

Check image can verify the validity of an image file. If our product finds errors during checking process, then the image file might be damaged and cannot be used for recovery.

After clicking **Check Image**, select one backup plan to verify all related image files, or click **Browse** at the top right corner to check one image file only.

Backup task	Backup type	Date created	Location
Smart Backup	Smart backup	2016-06-05 10:36	F:\My Backups\Smart Backup
Local Disk (No drive letter)	Disk/partition backup	2016-06-01 19:41	F:\My Backups\Local Disk (No drive I.
System Backup	System backup	2016-06-01 19:29	F:\My Backups\System Backup
Work data	File backup	2016-05-01 17:39	M:\My Backups\Work data
File Backup	File backup	2016-04-23 13:14	M:\My Backups\File Backup

Note:

All the images under this backup plan will be checked. So it would take a long time if the backup plan has a large number of images.

Create Emergency Disk

EaseUS Todo Backup allows users to create an emergency USB disk or CD/DVD. It is indispensable when windows system fails to boot.

Procedure of creating emergency disk



1. Click Tools - Create emergency disk.

2. In this step, you have a choice to create a WinPE or Linux emergency disk.

Create Emergency Disk		×
Create WinPE emerger	cy disk Create Linux emergency disk	
	Boot disk location	
	C:\Users\ZHIHUI\Desktop\EmergencyDisk.iso Browse	
🗹 Add Driver 🖹 🖌	Add	
System devices	G:\My driver\backup\Intel(R) 8 Series C220 Seri	茴
System devices	G:\My driver\backup\Intel(R) Management Engi	

3. Choose the ISO, USB flash drive or CD/DVD as boot disk location.

4. Check the **Add Driver** option then click the **Add** to add desired driver for your WinPE bootable disk. You are suggested to add disk, RAID and network card driver to avoid Todo backup have a trouble to recognize your hard disk or network drive in WinPE environment.

Note:

To learn more information between WinPE and Linux emergency disk, please click here.

Tape Manager

If you always save images to tapes for long term storage, it may be difficult to figure out what a tape contains without a physical label. We provide this feature to help you manage the image in tape.

Under this option, you can **Copy** the image from tape to local drive, **Eject** and **Wipe** the tapes.

Enable/Disable Pre-OS

Pre-OS can be considered as an alternative of WinPE bootable disk. So it can also help you recovering system when unexpected failure occurs.

Switch the status of Pre-OS between Enable and Disable. The name of the button depends on the current status of Pre-OS. If Pre-OS is currently enabled, the button will be Disable Pre-OS.

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Once the Pre-OS enabled, you will get an EaseUS boot menu when computer boots. After select it, you will get into EaseUS Todo Backup instead of Login Windows.

There are two kinds of Pre-OS environment for different editions.

Linux Pre-OS

For all Trial editions which is based on Linux environment and only contains basic **Recover** and **Clone** options.

Windows Pre-OS

The Linux Pre-OS will be converted to Windows version after <u>WinPE</u> created. Nearly all features are available in this environment.

ISCSI Initiator

Connect and configure the iSCSI device.

There are two connection modes.

Quick connect

On the **Targets** tab, type name or IP address of the target device in **Quick Connect** text box, then click **Quick Connect**.

Advanced connection

1. Click the **Discovery** tab.

2. Click **Discover Portal** to add the target portal. Type the **IP address** or **name** to connect.

Once connected, you can backup and restore the iSCSI drive like local hard drive.

Enable PXE

The PrebooteXecution Environment can boot computers with network interface independently of data storage devices.

EaseUS Todo Backup PXE server allows users to launch EaseUS Pre-OS Environment on target machines with network booting. It is especially useful for bare metal recovery or network deployment.

This feature is available in EaseUS Todo Backup Server Edition, EaseUS Todo Backup Advanced Server Edition and EaseUS Todo Backup Technician Edition.

You just need to click **"Enable PXE"** in **Tools** to enable PXE option. Our product will configure boot image directory automatically.

Confirm the Network Interface Card of a client machine which supports PXE boot, please choose "**Network boot**" in BIOS. If the network connection to PXE server is available, the client machine will boot from the network.



	Boot Menu
1. 2. 3. 4.	+Removable Devices CD-ROM Drive +Hard Drive Network boot from Intel E1000 <enter setup=""></enter>

Main	Advance		Setup Boot	Utility Exit	
+Rer CD- +Hai	novable Dev -ROM Drive rd Drive work boot	ices			Item Specific Help Keys used to view or configure devices: <enter> expands or collapses devices with</enter>
					a + or - <ctrl+enter> expands all <+> and <-> moves the device up or down. <n> May move removable device between Hard Disk or Removable Disk <d> Remove a device that is not installed.</d></n></ctrl+enter>
F1 Hel Esc Ext		lect Item lect Menu		Values ► Sub-Me	

Note:

Make sure there is a working DHCP (Dynamic Host Control Protocol) in your network, so that the booting computers can automatically get IP addresses and boot into EaseUS Todo Backup PXE environment.

P2V Copy

EaseUS Todo Backup provides P2V tool for customers to migrate drive from Physical machine to Virtual machine conveniently and efficiently.

When you want to convert a running system to virtual environment. Please click **Tools > P2V copy**. It can help you create a Virtual Machine without backup & recovery.



P2V Copy	×
🔄 🦳 Disk 1 Basic MBR (111.79 GB)	
🔄 🖳 *: NTFS System Activate Primary (467.79 M	B Free of 501.00 MB)
🔄 🦳 C: NTFS Boot Primary (28.91 GB Free of 11	1,30 GB)
Disk 0 Dynamic (465.76 GB)	
🗌 🛄 G: NTFS, Simple Logical (172.71 MB Free of	500.00 MB)
🗌 🛄 M: NTFS, Simple Logical (24.75 GB Free of 1	03.94 GB)
🗆 🚍 D: NTFS, Simple Logical (97.33 GB Free of 1	95.31 GB)
Destination:	
D:\My Backups	96.84 GB Free of 195.31 GB 🔗 Browse
Virtual Machine Name:	
Windows_10_x64	
Parameters:	
▲ VMware Workstation ✓ ▲ VMware Works	station 9.0 \vee 🛛 🕭 Hardware Configuration
	Proceed Cancel

1. Specify the disk/partition(s) to convert. System and boot partition have been selected by default and cannot be deselected. You can add other partitions and disks to convert together.

Specify the destination to save the virtual machine. Local disk and Network directory can be set as the destination. Click the Down Arrow to get the destination history.
 Configure the parameters for the virtual machine.

Virtual machine name

Edit the name of virtual machine, EaseUS Todo Backup will name the machine with the operating system by default.

Virtual software vender

Specify the type of virtual machine which you convert to, VMware Workstation and MS Virtual PC are supported.

Version

Select a proper version so that the converted virtual machine could work with your virtual software correctly.

Edit virtual machine

Configure the settings for virtual machine, including number of processors & cores, memory size, hard disk type and capacity.

P2V Recovery

You can directly restore an EaseUS disk/backup image to virtual machine with P2V Recovery. Click **Tools > P2V recovery**.



ackup task	Backup type	Date created	Location
ocal Disk (G)	Disk/partition backup	2016-10-26 10:24	D:\My Backups\Local Disk (G)
vstem Backup	System Backup	2016-10-26 10:21	D:\My Backups\System Backup

1. Select a backup plan to restore. The backup must be System backup or a Disk/Partition backup. If the backup is not in the list, please manually locate it by clicking **Browse**.

2. Specify the destination to save the virtual machine. Local disk and Network directory can be set as the destination. Click the Down Arrow to get the destination history.

3. Configure the parameters for the virtual machine.

Mount/Unmount

In order to browse/confirm the files and folders in a disk/partition image or system image (*.PBD file), we provide the mount function. Users can directly copy needed files from the mounted drive without restoring entire image.

Besides, mount function is a good way to check whether the created image is valid or not.



Backup task	Backup type	Date created	Location
ocal Disk (No drive letter)		2016-06-01 19:41	F:\My Backups\Local Disk (No drive
ystem Backup	System backup	2016-06-01 19:29	F:\My Backups\System Backup

1. Tools > Mount/Unmount, all available backups will be listed under Backup Task.

- 2. Select one backup and click Next.
- 3. Select the Source and click Next to proceed mount operation.

If you need to unmount the image, please click **Mounted Device** on above interface to continue.

Tips:

Disk/Volume backup and **System backup** image are supported only. A password is necessary for encrypted backup image. To fully access mounted virtual partition, please make sure the image is created and mounted in same Windows account. Mounted drive will automatically disappear after computer restarts.

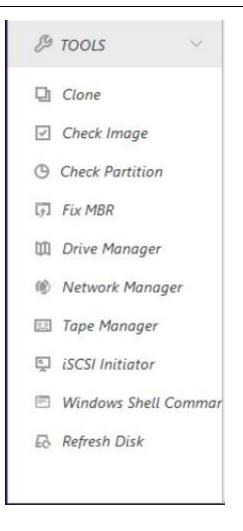
Refresh Disk

Refresh Disk is used to load the latest status of local hard drives after a disk is updated or newly added when our product is still running. It is also necessary to use this option after adding driver file of a disk in WinPE.

Special Tools in WinPE

In WinPE and Pre-OS environment, some options in **Tools** menu are replaced by a new option to ensure the recovery process in WinPE can be finished smoothly.





Windows Shell Command

Invoke MS-DOS command box to input different user commands to make backup tasks more efficient and safer. For example, checking errors before backing up a partition with CHKDSK, add hardware driver with Drvload or create a partition with DISKPART.

The knowledge of Windows Command statement is required to use this advanced option,

Driver Manager

Since hardware RAID, SCSI and some network cards cannot be directly recognized without drivers installed in WinPE and Pre-OS environment, So we provide this option to help user add driver for a specific hardware and ensure you can finish the recovery job without interruption.

Network Manager

With this option, user can manage or configure network access parameters if the operation needs to read shared folder but our product failed in the first try.

Map network drive - Map a network drive as a local drive to backup or restore.



Edit network drive - Change parameters of the mapped drive. Disconnect network drive - Remove mapped drive created with Map network drive option. IP settings - Configure the IP parameter.

iP settings - Configure the IP parame

Fix MBR

Fix MBR can help you get rid of some boot problems. It will write fresh boot information to the MBR sector.

You can locate this feature in **Tools** in WinPE Pre-OS or WinPE emergency environment, click **Fix MBR**, choose the disk you want to repair and then press **Proceed**.

Check Partition

A partition with logic errors may fail to back up with our product, so it is necessary to check and fix errors before backup. This feature is available in WinPE Pre-OS or WinPE emergency environment, click **Tools** > **Check partition**, choose the partition and check **Automatically fix file system errors**, after that click **Next** to start the operation.

Image Tool

Thank you for using **EaseUS Todo Backup Image Explorer**. It is to extract files/folders from a .PBD image file without installing **EaseUS Todo Backup**. Being less than 3 MB, it is simple and easy use, managing files as Windows Explorer.

How to Use

Here is to guide you how to extract files from .pbd image file with Image Tool.

1. <u>Download</u> **EaseUS Todo Backup Image Explorer** then launch it. Tick **Yes** in pop-up window below to build connection between .pbd image file and Image Tool.

	Tips	×
	eUS Todo Backup Image Explorer your o	default .pbd
file browser?		

2. Desktop folder will be automatically displayed. Click the marked drop-down arrow to unfold other paths.



EaseUS Todo Backup Image Explorer	
Export(F2) Property(F3) Refresh(F5)	Click
C:\Users\Keny\Desktop Name Local Disk (C:) Users Users Keny DVD Drive (D:) HRM_CENA_X64FREV_EN-US_DV5 Keny Libraries Network	
2.84 MB (1 files) in total	

3. Locate the .pbd image file and double click it.

P		EaseUS Todo Back	up Image Explo	orer	- 🗆 🗙
Export(F2) Property(F3)	Refresh(F5)				P Help(F1)
🗈 🔒 C:\My Backups	\File Backup 2015	-03-03 15-57			~
Name	double click	ype ile folder	Size	Date 3/3/2015 12:26:54 AM	
File Backup 2015-03-03 1	5-57.pbd	PBD File	41.22 MB	3/2/2015 11:58:02 PM	
	0				
41.22 MB (1 files) selected			41.22 MB (1 files)) in total	al

4. All files and folders belong to .pbd image file are marked with EaseUS logo.



1 Videos	Туре	Size	Date	
 desktop.ini	File folder Configuration settings	0.49 KB	8/13/2014 4:59:29 PM 8/13/2014 4:59:29 PM	
		-x		

To check the desired content, please click Property (F3) or directly Open the file/folder.

5. To extract the desired file/folder, please click Export (F2) or Copy in right-click menu.

P	EaseUS Todo Backup Image Explorer	×
Export(F2) Property(F3) Refresh	Browse for Folder	? Help(F1)
intered and a set of the set of t		4:59:29 PM 4:59:29 PM 1:30:39 AM
2.88 KB (1 files) selected	3.38 KB (2 files) in total	

Tips:

An additional copy of Image Tool is automatically created in "C:\Program Files\EASEUS\". - 63 - Copyright © 2004 - 2020 EaseUS. ALL RIGHTS RESERVED.



To completely uninstall Image Tool, please manually delete it after uninstallation.

Logs

All the backup operations and statuses are recorded in **Logs**. Failed operations are marked in red. Click **Log Details** for reference.

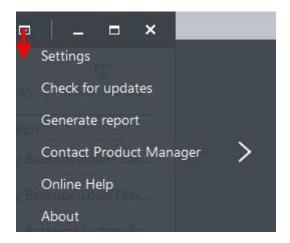
TASKS	Logs			Q Search	Ę	
+ NEW TASK						Export Lo
	Name	Operation Source	Task Name	Backup Mode	Execute Time	Result
LOGS	Execute Backup	Local	Important data fr	Differential Backup	2017-03-29 13:01	Successful
LICENSE	Execute Backup	Local	Important data fr	Differential Backup	2017-03-29 13:00	Successful
-	Execute Backup	Local	Important data fr	Differential Backup	2017-03-29 12:02	Successful
Ø TOOLS ∨	Execute Backup	Local	Important data fr	Differential Backup	2017-03-29 12:00	Successful
] Check Image	Create Backup Task	Local	Smart Backup	Full Backup	2017-03-29 11:19	Successful
Create Emergency Disk	Execute Backup	Local	Important data fr	Differential Backup	2017-03-29 11:00	Successful
P2V Copy	Execute Backup	Local	Important data fr	Differential Backup	2017-03-29 11:00	Successful
P2V Recovery	Delete Image File	Local	Smart Backup	342	2017-03-29 10:35	Successful
P2V Conversion	Delete Backup	Local	Smart Backup	Full Backup	2017-03-29 10:35	Successful
Tape Manager	Execute Backup	Local	Important data fr	Differential Backup	2017-03-29 10:00	Successful
Mount/Unmount	Execute Backup	Local	Important data fr	Differential Backup	2017-03-29 10:00	Successful
iSCSI Initiator	Execute Backup	Local	File Backup(1)	Full Backup	2017-03-29 09:34	Successful
Enable PreOS	Execute Backup	Local	File Backup(1)	Full Backup	2017-03-29 09:34	Successful
Enable PXE	Create Backup Plan	Local	File Backup(1)	Full Backup	2017-03-29 09:34	Successful
	Execute Backup	Local	Important data fr	Differential Backup	2017-03-29 09:00	Successful
	Execute Backup	Local	Important data fr	Differential Backup	2011 00-20 00.00	Succession

These operations can be performed: **Export all** - Output all logs to a TXT or XLS file. **Clear all**- Delete all logs. **Details** - Show the detailed records of one backup plan



Basic Settings

There is a drop-down menu at the top right corner, click it, there will be an option **Settings** in the menu.



Click **Settings** will bring you the following configuration panel, the first two options are very important. You may switch among German, English, Spanish, French, Italian and Japanese and so on in **Language** box and edit/modify **Default backup path** here.

Settings		×
Language English		
Default backup path		
E F:\My Backups	53.80 GB Free of 105.47 GB	Browse
 Automatically check for updates Join the Customer Experience Imp Show notification tray when backut 		
	Save	Cancel

For the other three check boxes, there will be no update report if you uncheck the option **Automatically check for updates**.

Join the Customer Experience Improvement Program can help us improve our product better with the info from your daily operation with our product.

Todo backup will not show any notification tray if you uncheck the **Show notification tray** when backup.



Support

If you cannot find what you are looking for in this help, we encourage you to visit our <u>Knowledge Base</u> which includes solutions for some common issues and detailed guide regarding how to use EaseUS Todo Backup.

When you encounter an error/problem, please **Generate report** and sent it to **techsupport@easeus.com**, so we can assist you more efficiently.

