EaseUS® Todo Backup User Guide

For Free and Home 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. Focusing on efficient and stable backup, **EaseUS Todo Backup** is dedicated to safeguarding the operating system, emails, disks, partitions, documents, photos, pictures and musics, 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 Windows 8/8.1/10/11
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

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

- Windows Vista®
- Windows® 7
- Windows® 8
- Windows® 8.1
- Windows® 10
- Windows® 11

Supported File Systems

EaseUS Todo Backup supports file systems, including FAT12, FAT16, FAT32 and NTFS. Other files systems are shown to be **Other**. EaseUS Todo Backup supports the sector-by-sector **Backup** and **Clone** of **Other** Partition/Volume.

Supported Hard Disks

EaseUS Todo Backup supports disks, including IDE, EIDE, SATA, ESATA, ATA, SCSI, iSCSI, USB 1.1/2.0/3.0 disk and Firewire disks. As for CD-R/RW DVD-R/RW DVD+R/RW DVD+R DL, **EaseUS Todo Backup** supports saving backup images to them without issue.

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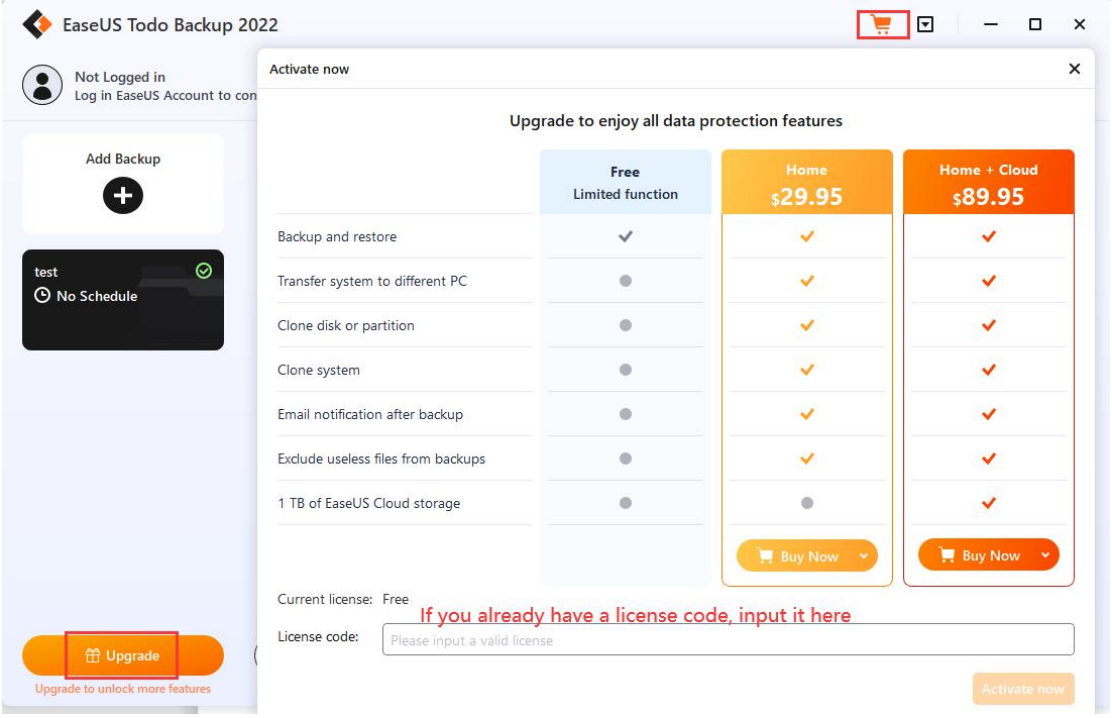
Dynamic disk, MBR and GPT disks are supported. EaseUS Todo Backup supports the disk capacity up to **16TB**.

Activation

In Free version, you can click the shopping cart in the right corner, or **Upgrade** button in the left corner to get the activation window. Enter the 25-digit license code to upgrade to the full version.



In the trial version, you can see how many days left for the trial version in the left corner. Click the shopping cart or **Activation Now** button to activate the software.

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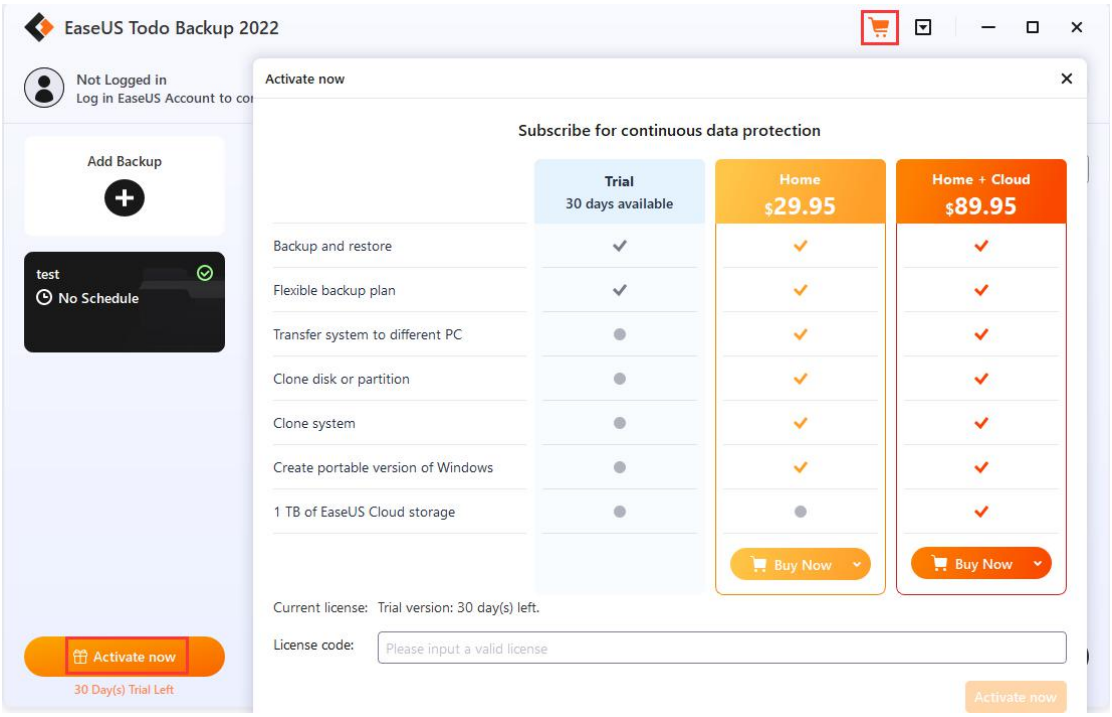
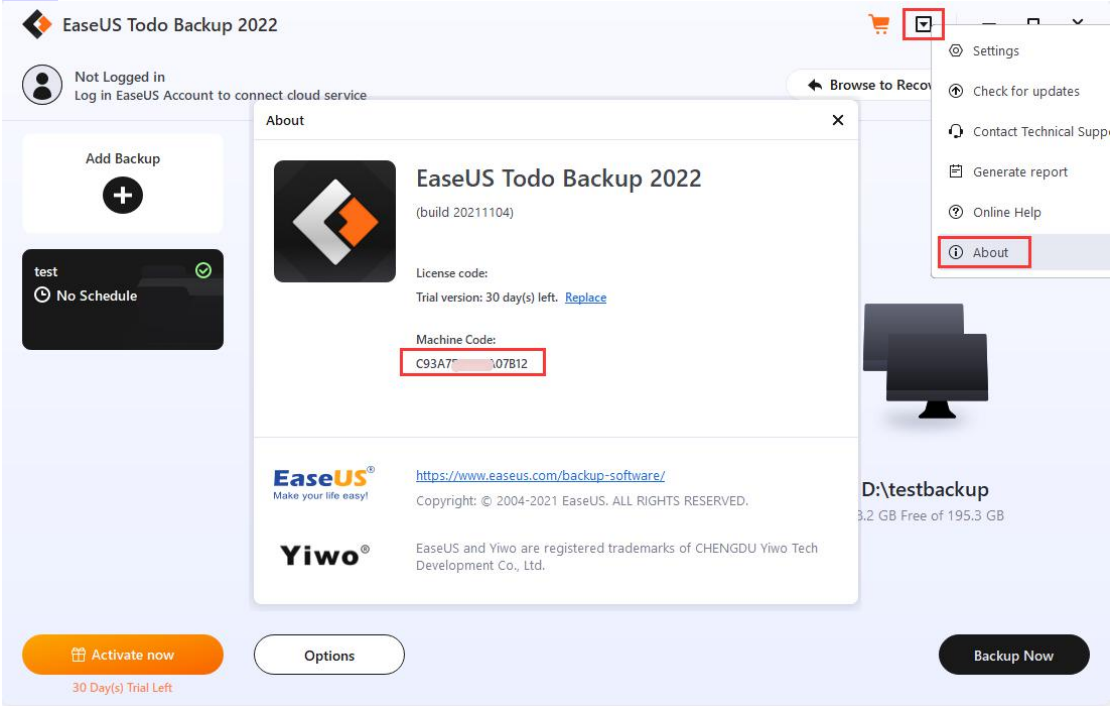


Offline activation

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



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.

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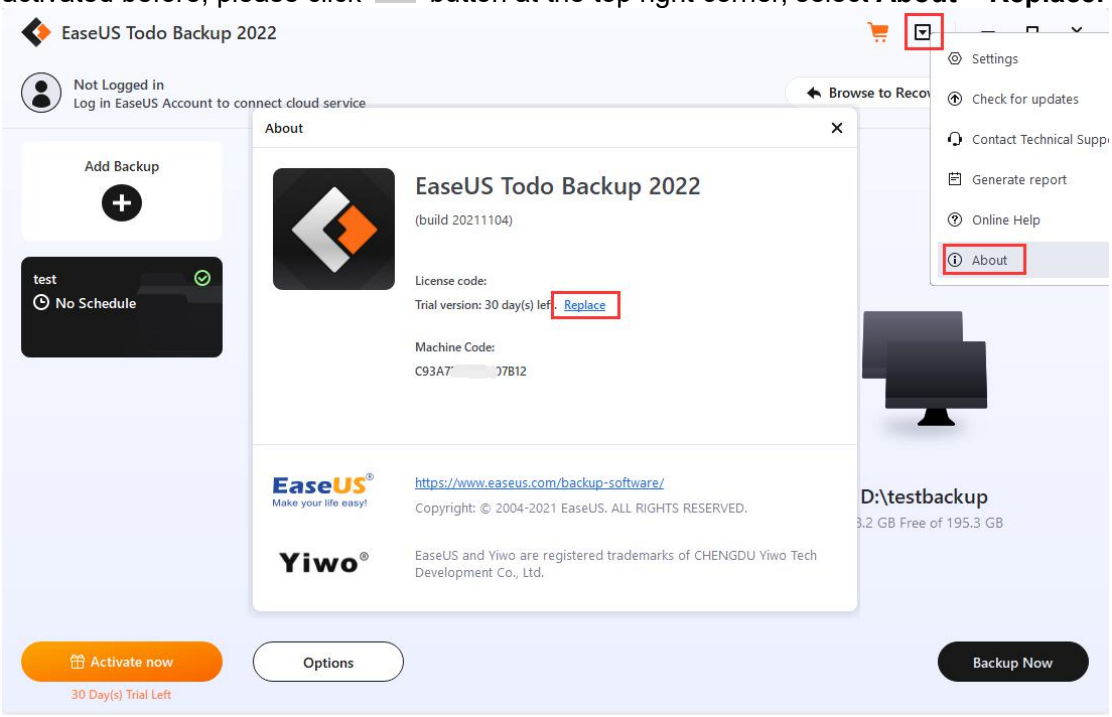
Replace license code

If you want to replace the license code on the machine which already have a code activated before, please click button at the top right corner, select **About** > **Replace.**



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

EaseUS Account

Login **EaseUS Account** enables to connect Cloud Server, so that the backup images can be saved in **EaseUS Cloud** directly. If you already have an account, please click the left corner to login.

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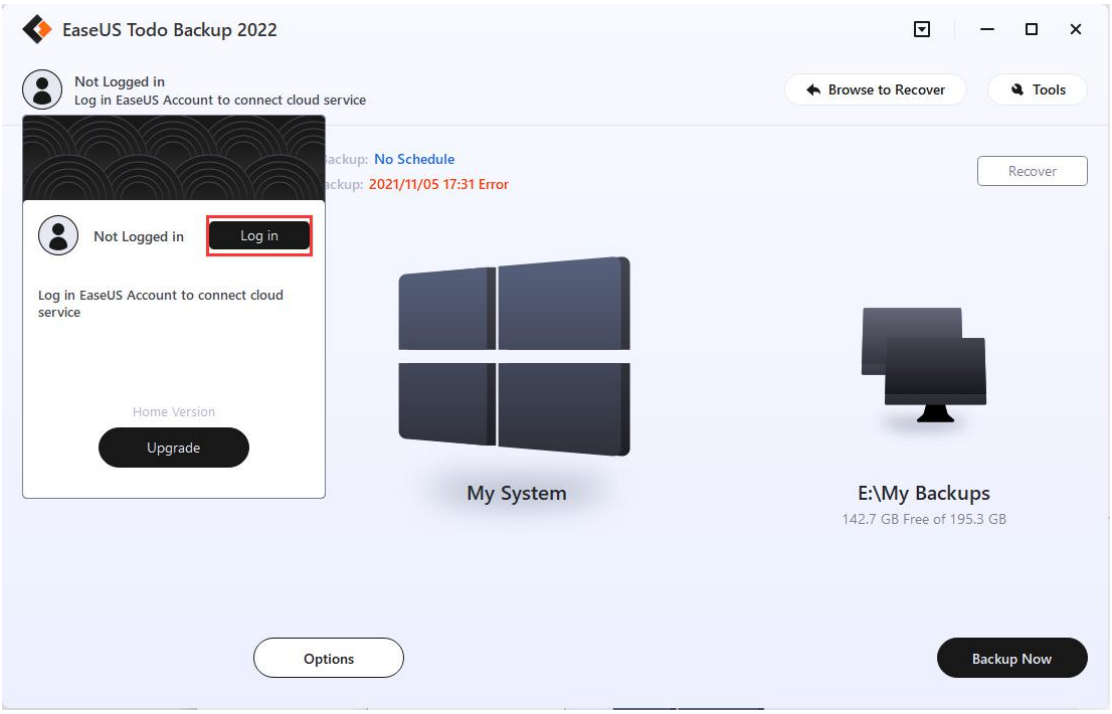
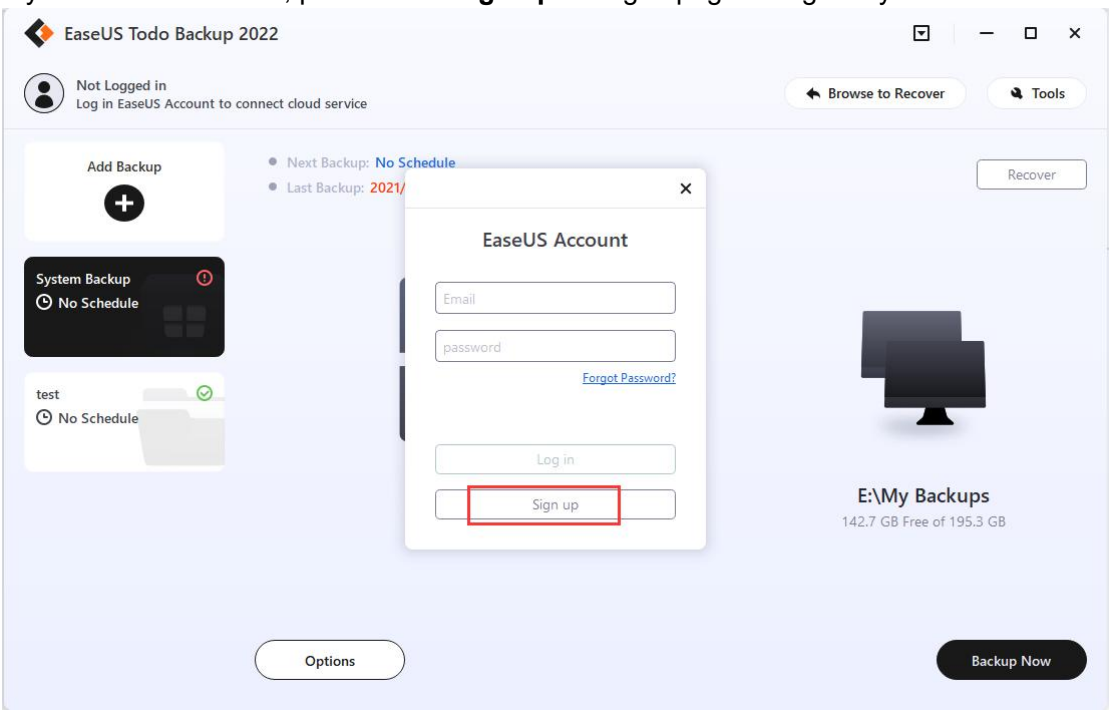


If you have no account, please click **Sign up** in Log in page to register your own account.



And after login, the available space and validity of the Cloud Service will appear.

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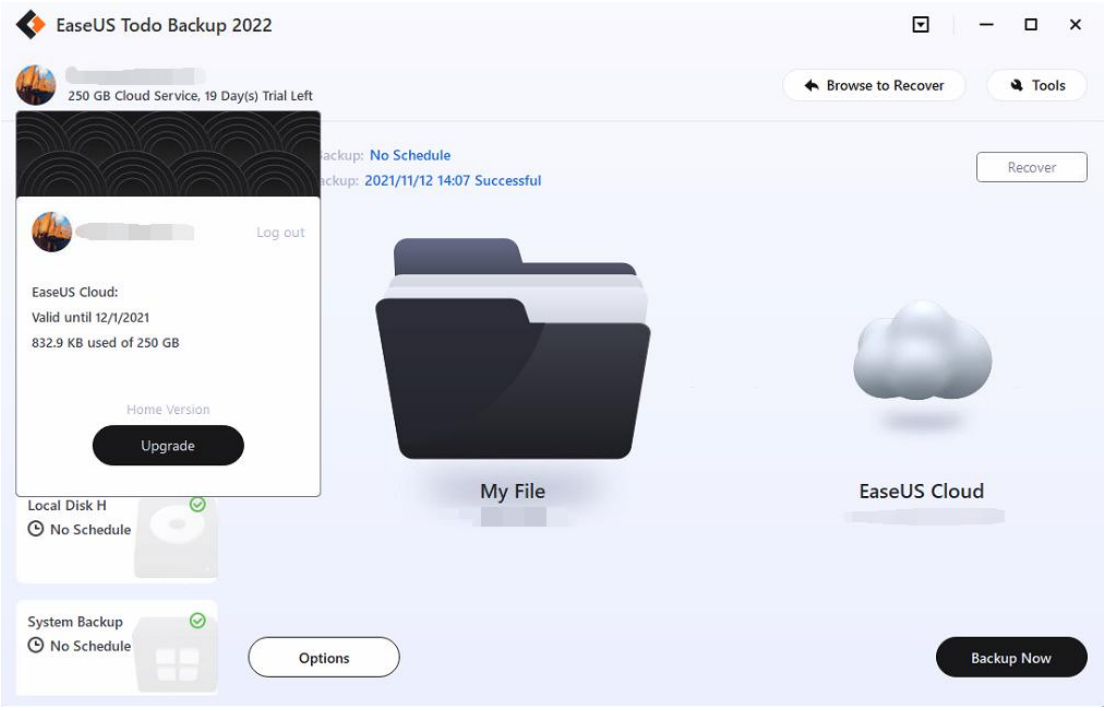

Edition Comparison

For home users, EaseUS provides includes two editions, Home and Free edition.

Free Edition - Only used for home users. The license is intended to use the software only on one computer and only for your own personal use.

Home Edition - Basic version for home users. It has more features available, such as Backup/clone dynamic volume, System Transfer and Outlook Backup.

Tips:
Home edition has its trial edition, free of charge for 30 days' evaluation. Free edition can be activated to Home edition directly with a Home license code.

Feature Comparison

	Free	Home
Smart Backup		Y
Disk/Partition backup	Y	Y
File backup	Y	Y
Incremental backup	Y	Y
Differential Backup	Y	Y

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Backup/clone dynamic volume		Y
Schedule backup	Y	Y
System backup	Y	Y
Image-reserve Strategy	Y	Y
System Transfer		Y
WinPE emergency disk	Y	Y
Enable PreOS	Y	Y
Windows right click backup menu	Y	Y
Outlook backup		Y
Email notification, pre/post-command		Y
File Exclusion		Y
Cloud backup	Y	Y
Disk clone		Y
System clone		Y

Home Page

EaseUS Todo Backup is designed to make your routine backup jobs in a more easily and smoothly way. The home page constitutes three main areas.

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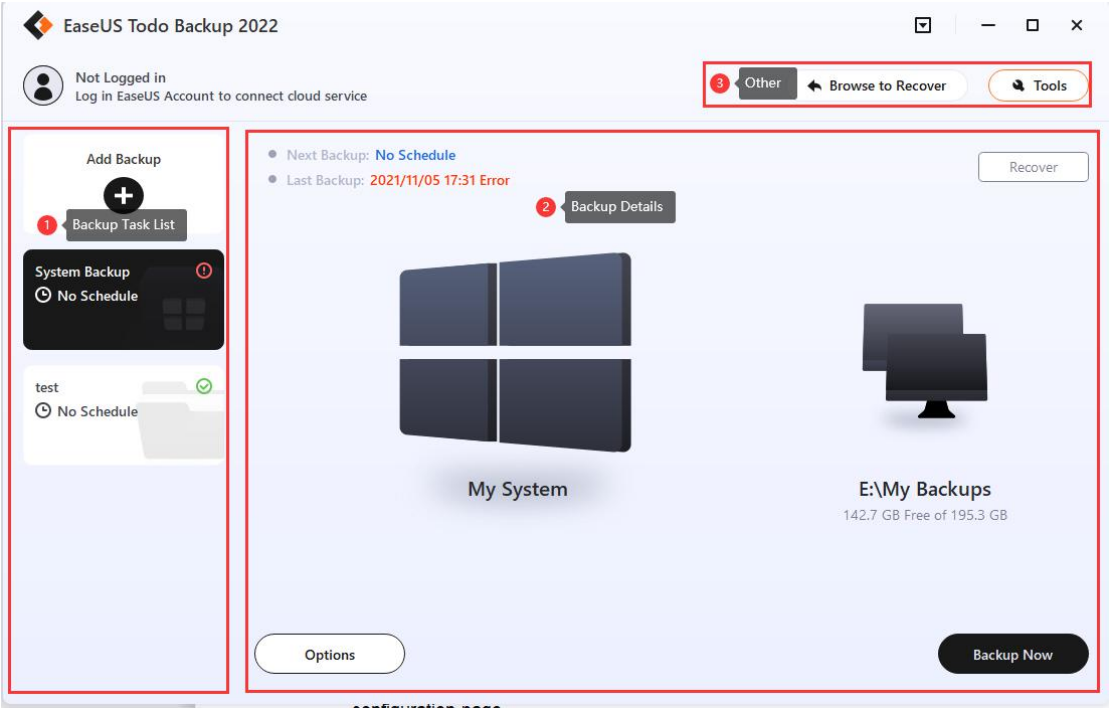

Backup Task List

In this entry, you can see the existing backups as well as create new ones by clicking +.

About how to use each of them exactly, please read from the corresponding paragraph. Disk/Partition Backup, File Backup, System Backup, Smart Backup, Mail Backup;

Backup Details

All basic info of a backup task can be directly found in the list, including the last and next backup time, backup source and target location.It is also possible to edit the backup options.
The **Recover** button in the right corner can bring you the Recover configuration page.

Other

Browse to Recover, Clone, System Clone, System Transfer, Check Image and some other useful features are located in this area.

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,

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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.

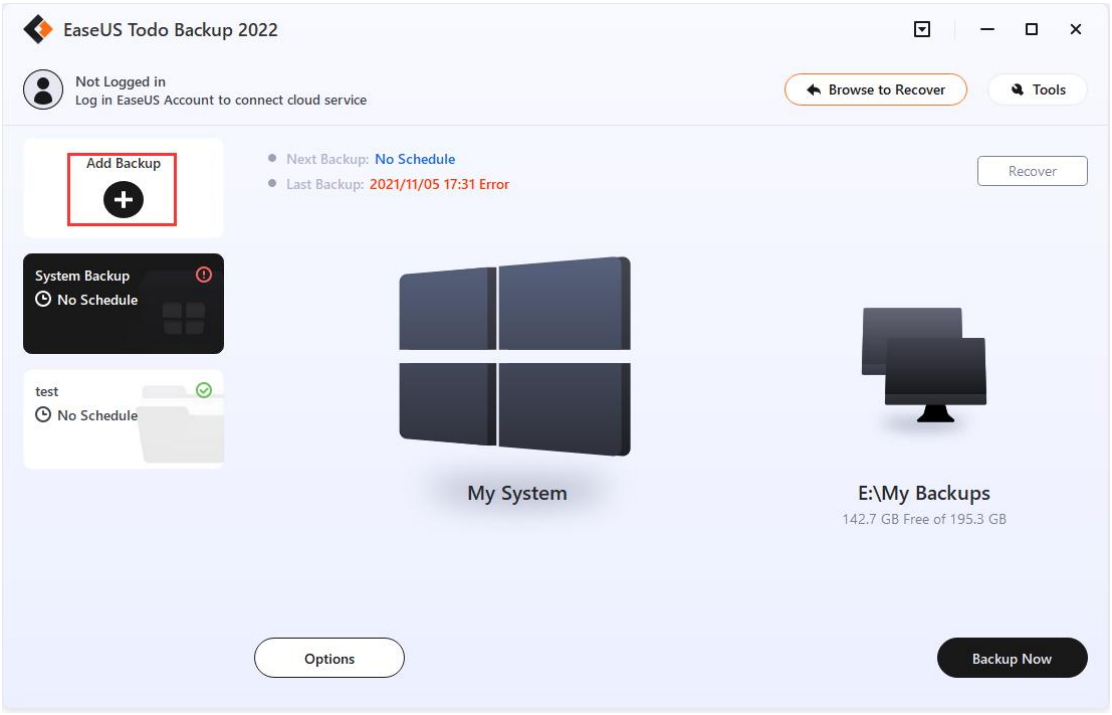
Tips:
In order to ensure a rapid and successful backup process, please close all other applications before starting the operation and never try to save the image file to the partition/disk which you are backing up.

System Backup

Windows Operation System is very important for a computer. It is necessary to protect it in the event of system crash.

EaseUS Todo Backup provides the easiest way to protect your operating system. In System backup, the necessary partitions for system boot will be selected automatically.

Please click **Add Backup** on the left side, select **OS** as the backup contents, select the destination location, then click **Backup Now**.The backup plan name can be edited, too.



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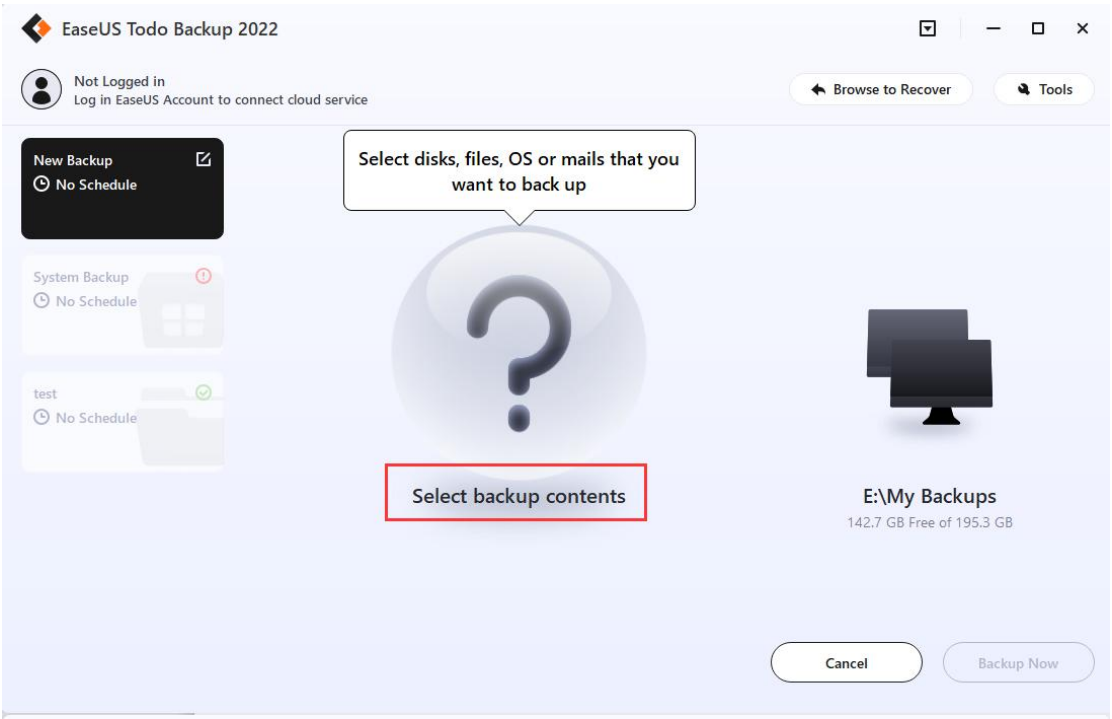

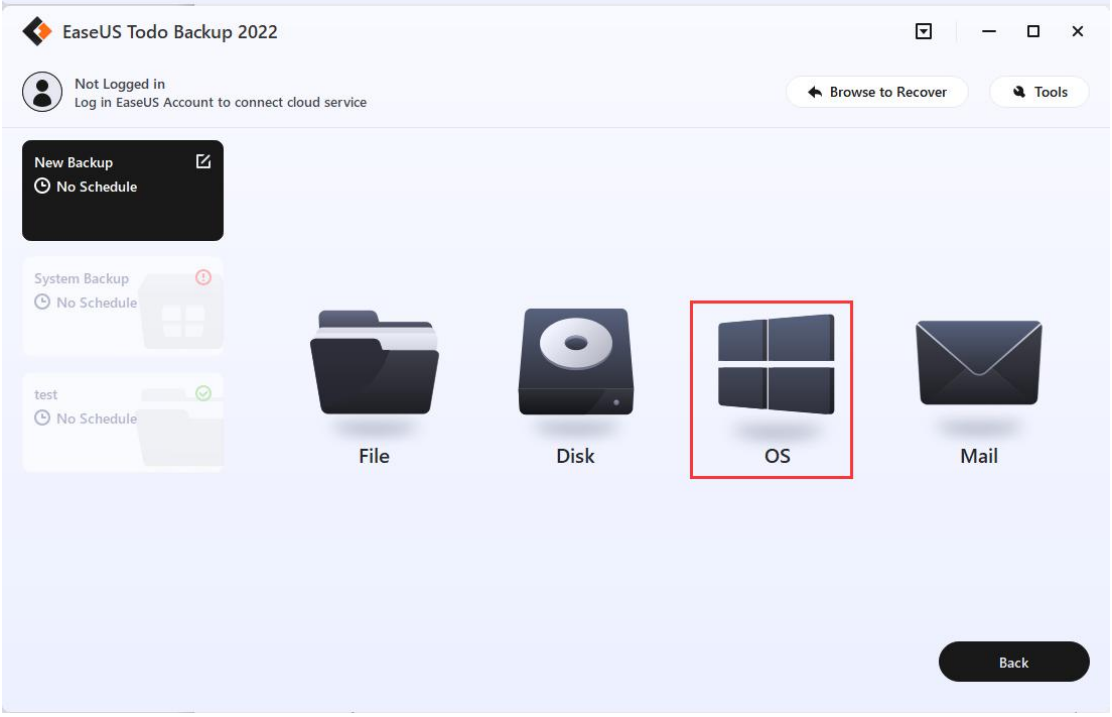

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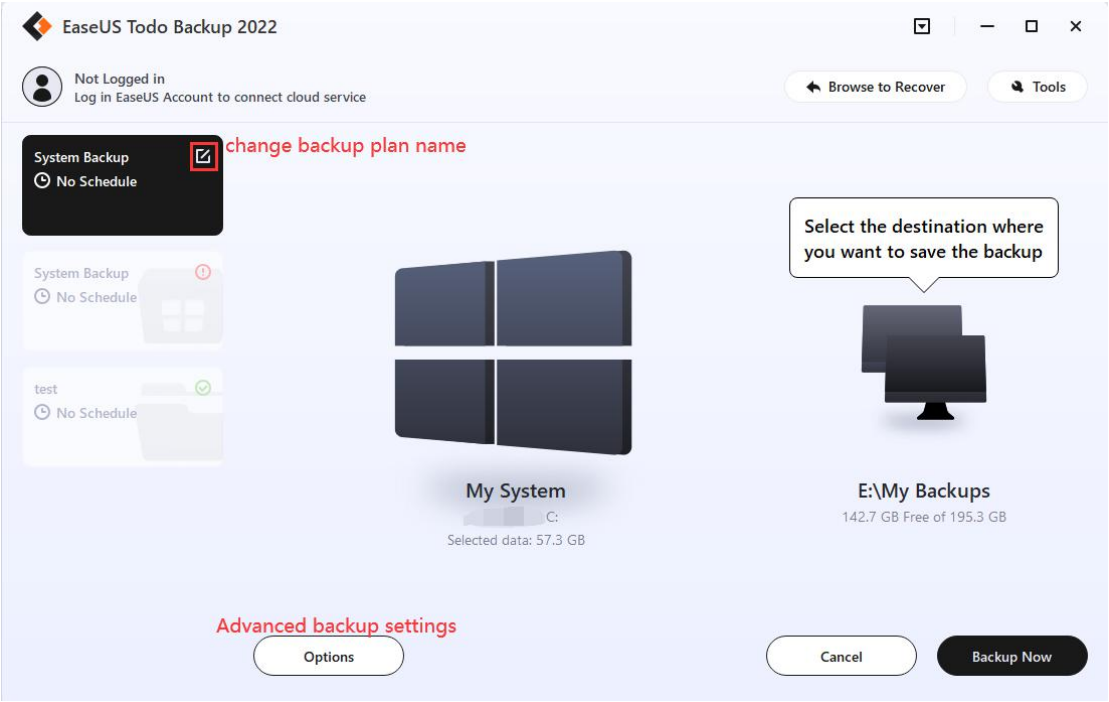
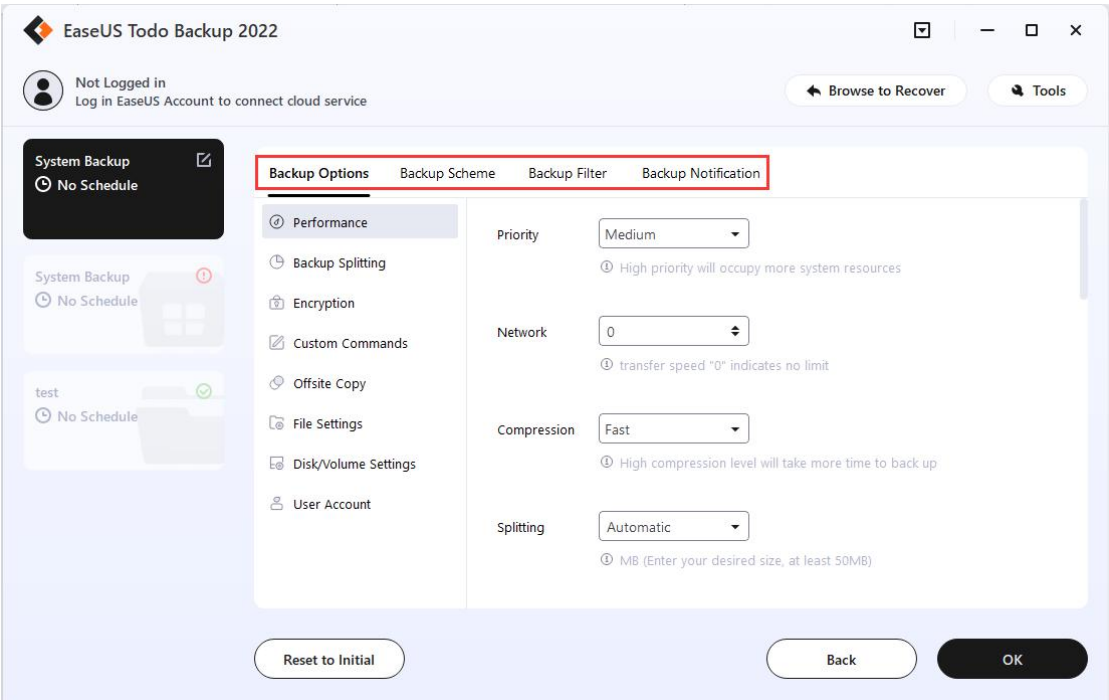


Advanced backup settings

Advanced backup settings are useful when you want to create a flexible and automatic backup plan. **Backup options** is to edit the advanced parameters. **Backup Scheme** is to create an automatic backup plan. **Backup Filter** is to exclude the added file types and folders to avoid backing up unnecessary files. With **Backup Notification**, you may monitor backup status with E-mail notification.



For more details, please click:

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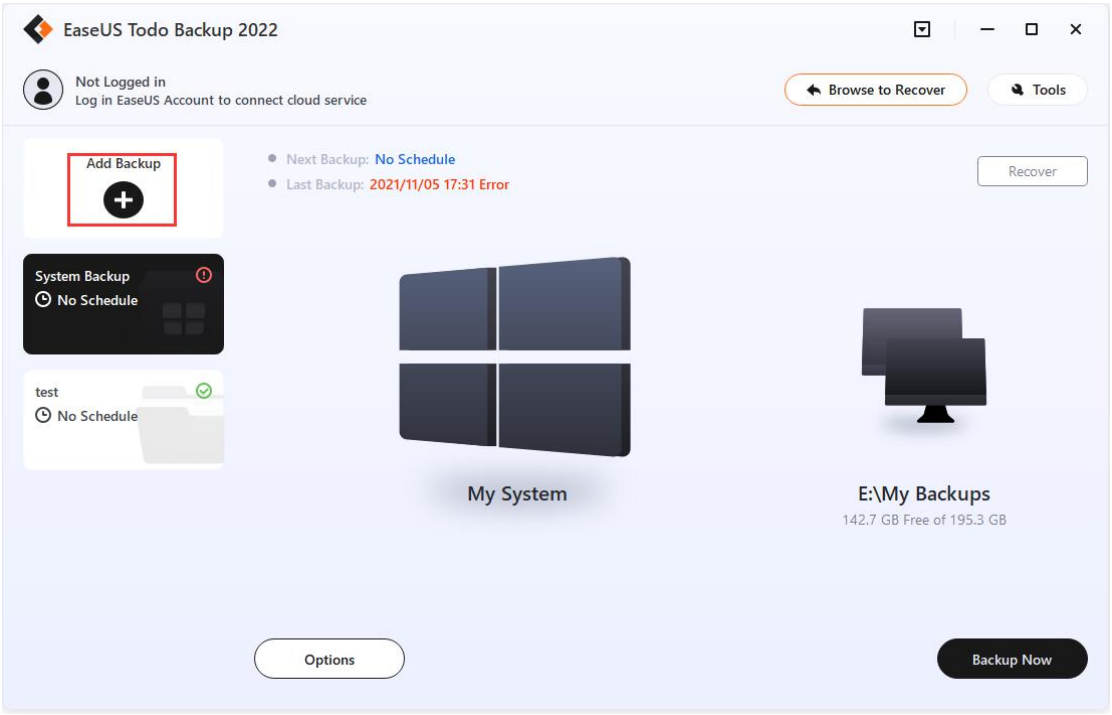
Backup option, Backup Scheme, Backup Filter, Backup Notification.

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

Disk/Partition Backup

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

Please click **Add Backup** on the left side, select **Disk** as the backup contents, tick the source disks/partitions, appoint the destination location, then click **Backup Now**.



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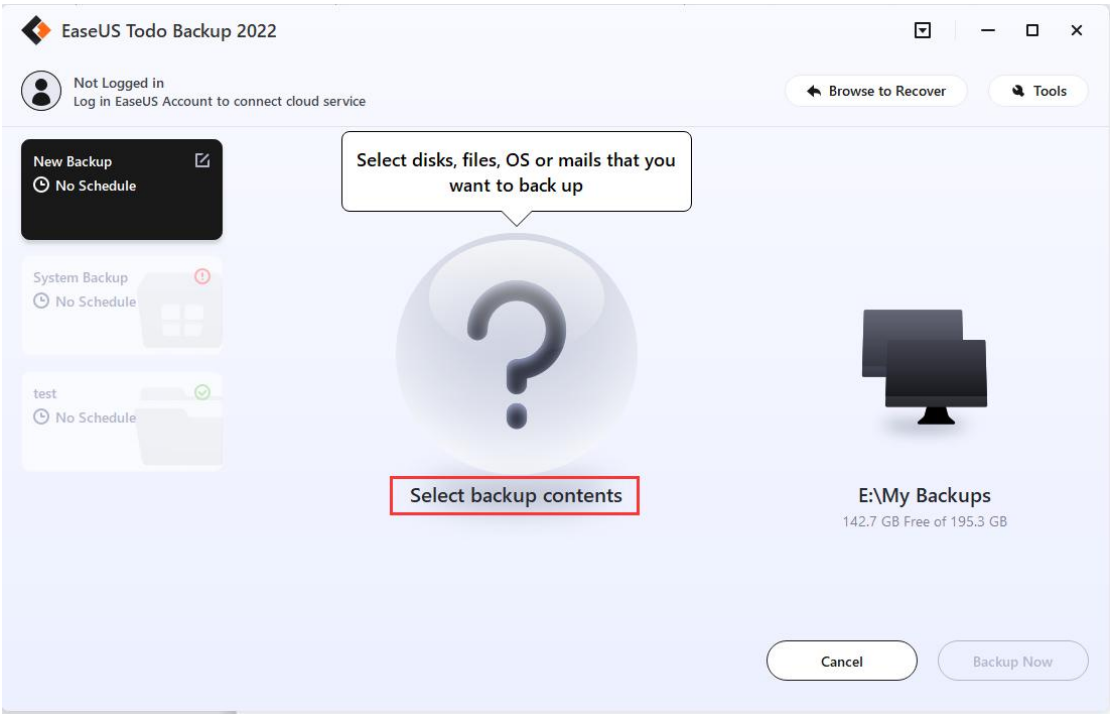

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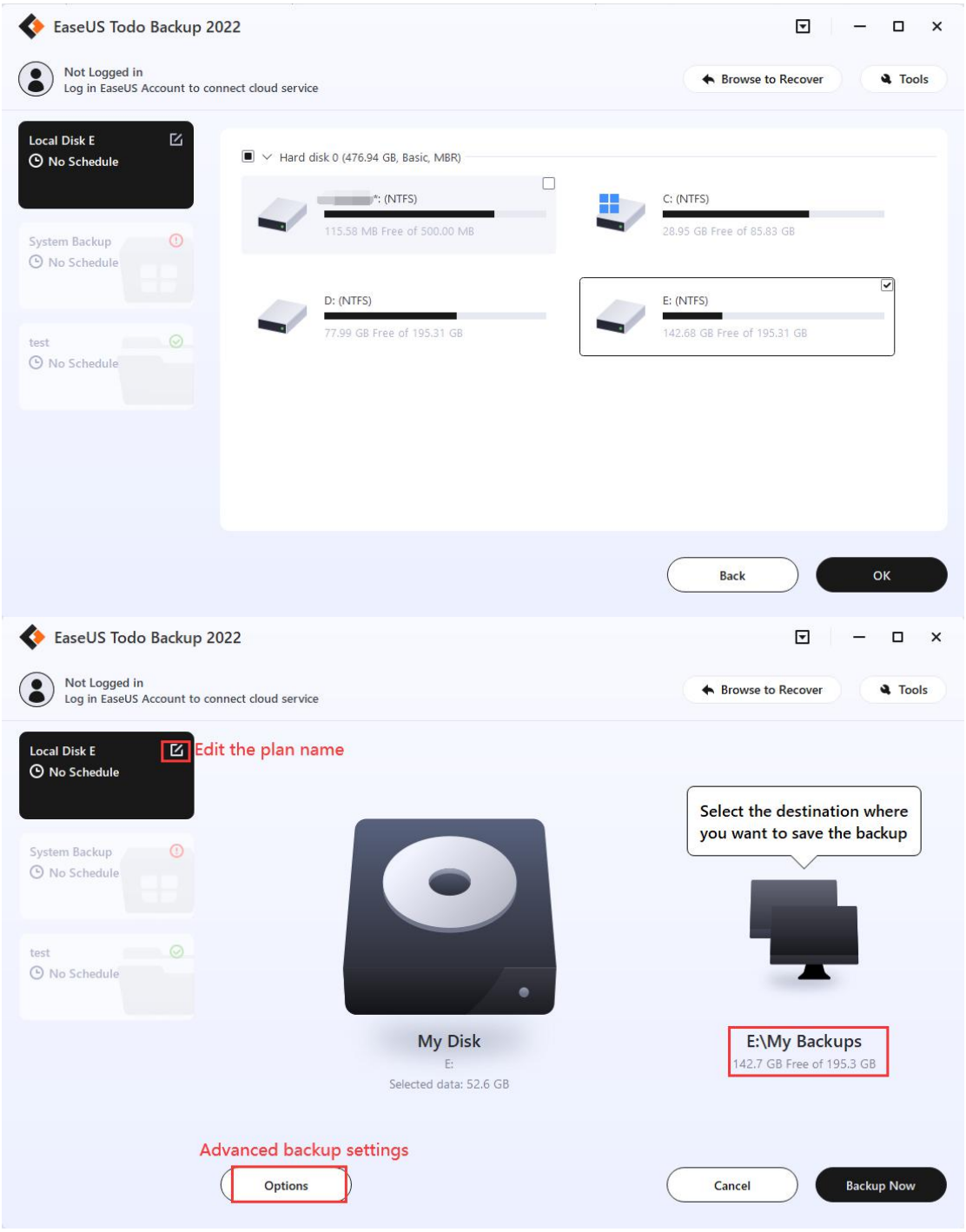

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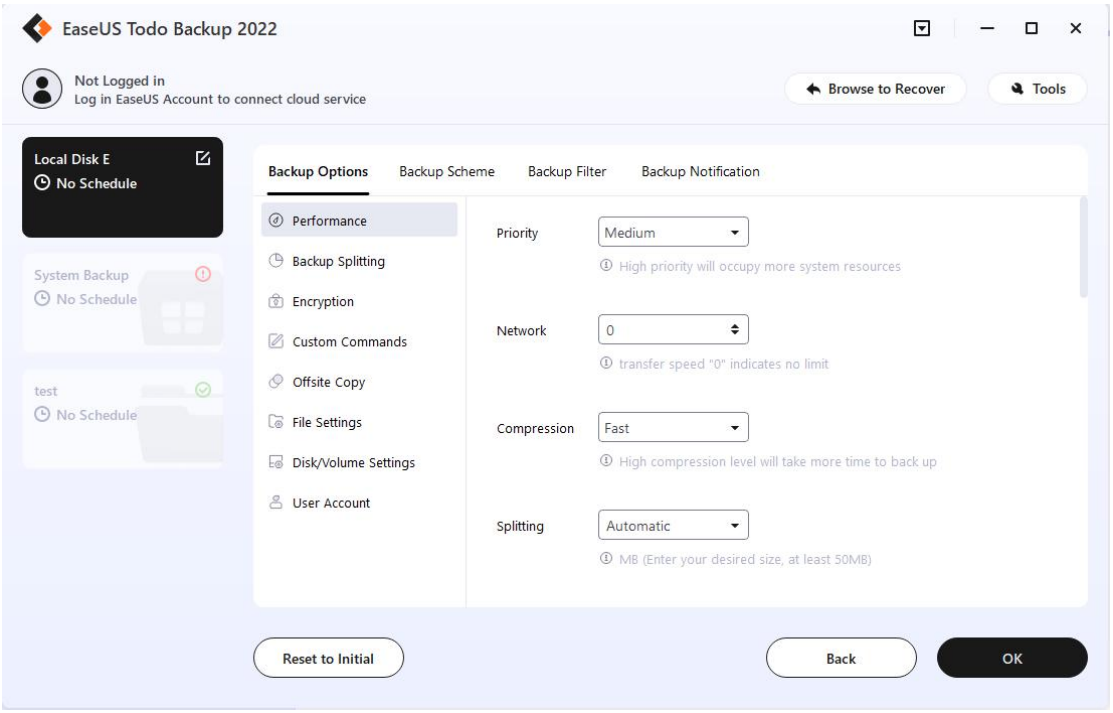

For more details, please click:
Backup option, Backup Scheme, Backup Filter, Backup Notification.

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/Partition Backup?**
A: Please click here to view the answer.

2. **Can I backup the network drive?**
A: No, EaseUS Todo Backup can just help you backup the files and folders in the network drive. However, it cannot backup the whole network drive.

3. **Where should I save backup image file?**
A: You can save backup image to local hard drive, network drive, other storage device and EaseUS Cloud Storage. Please don't save the backup image to the same partition you want to backup.

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.
Dynamic 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.

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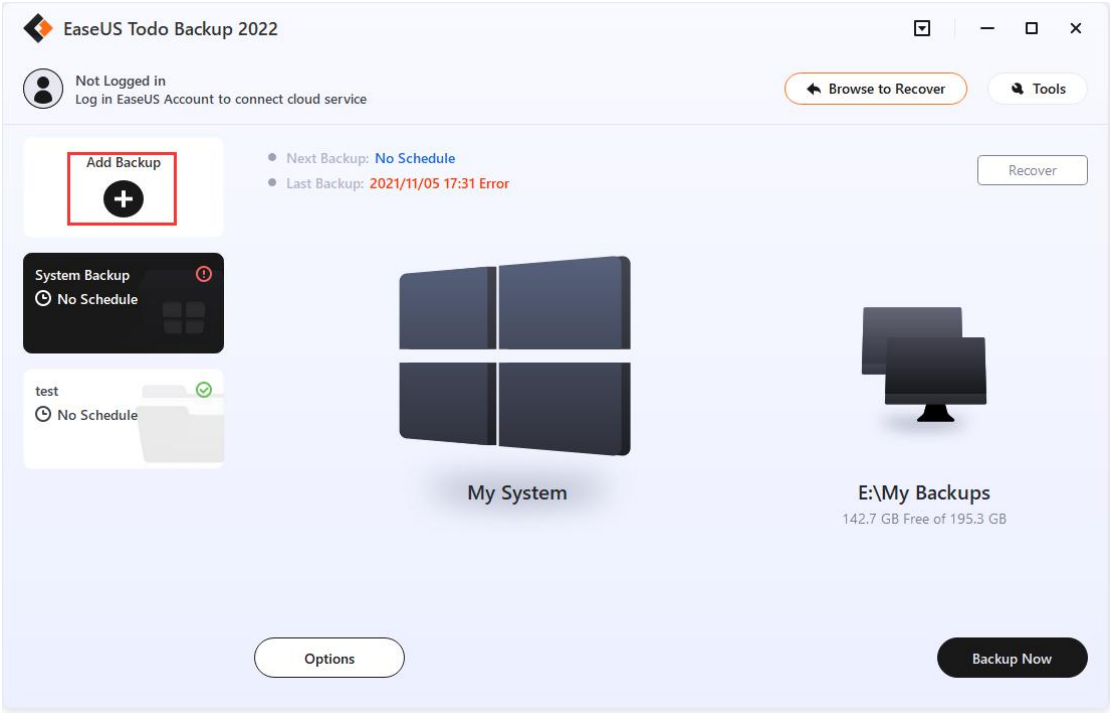
File Backup

You may have a large amount of vital data to be protected as time goes on, such as documents, pictures, musics 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.

Please click **Add Backup** on the left side, select **File** as the backup contents, browse and tick the files/folders you want to backup, then click **Backup Now**.The backup plan name can be edited, too.



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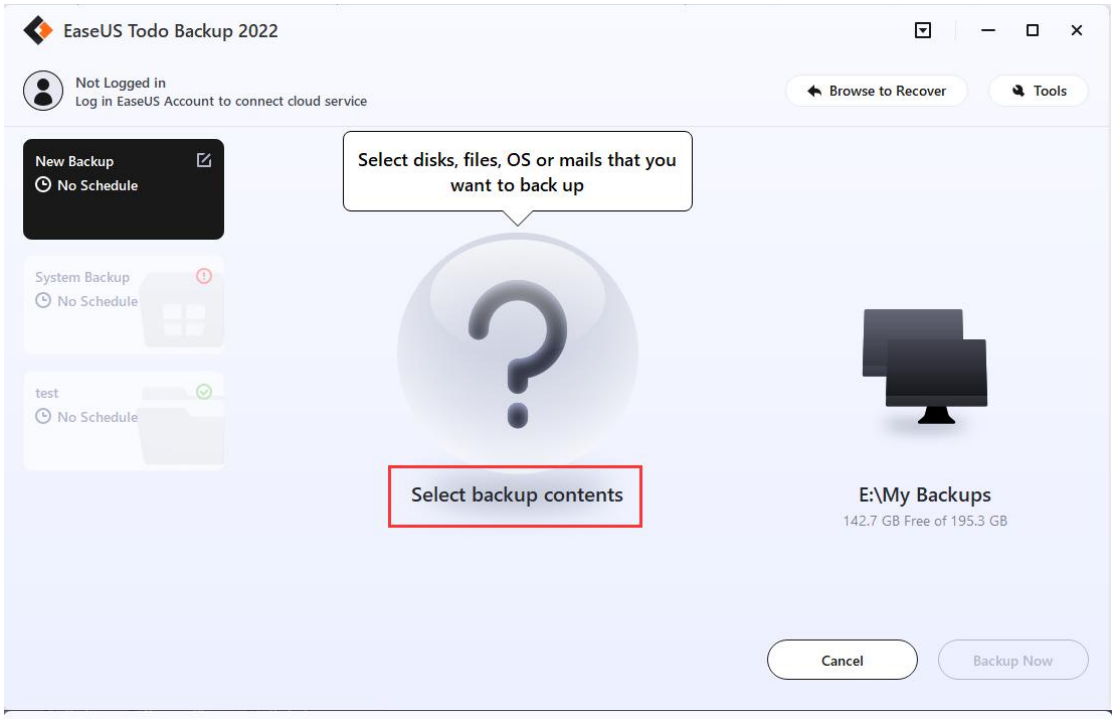

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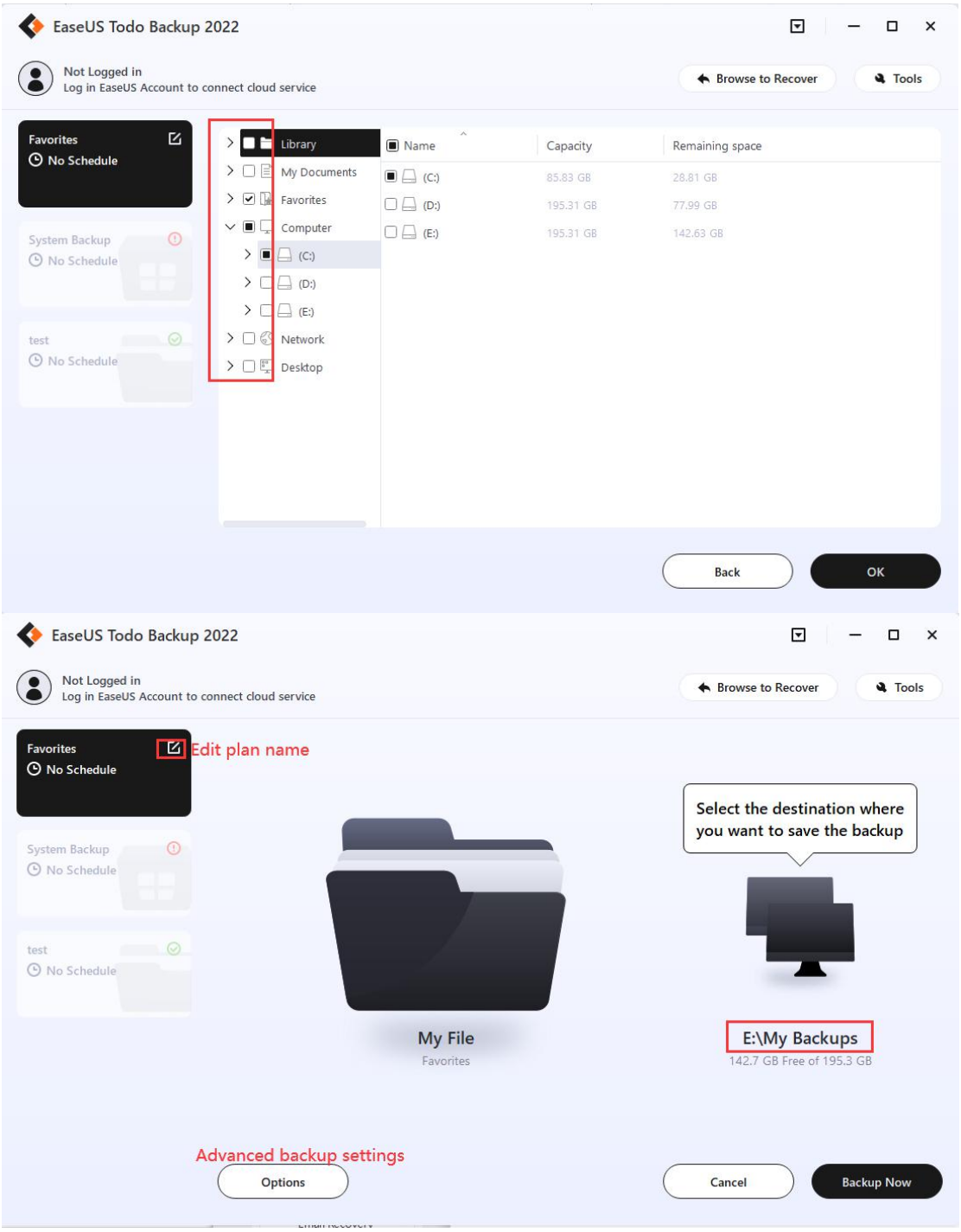

Advanced backup settings

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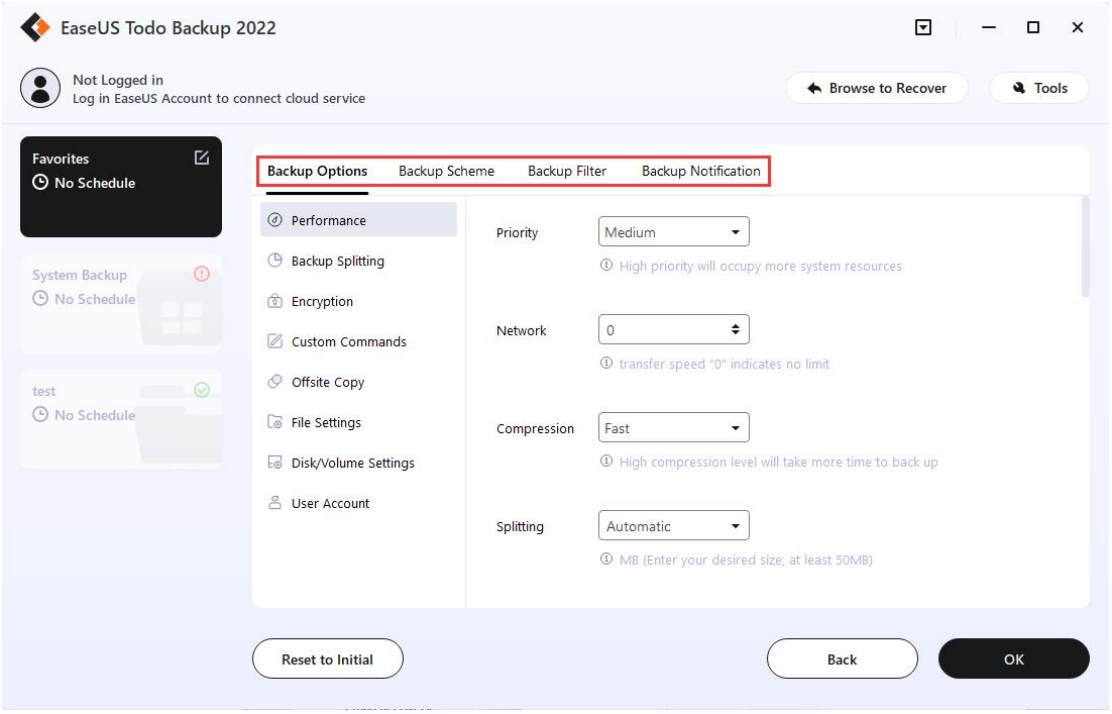

For more details, please click:
Backup option, Backup Scheme, Backup Filter, Backup Notification.

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

Smart Backup

In File Backup, there is a special backup schedule, **Smart Backup**, which is performed every half an hour provided any changes are made. You can find it in **Options->-Backup Scheme**.

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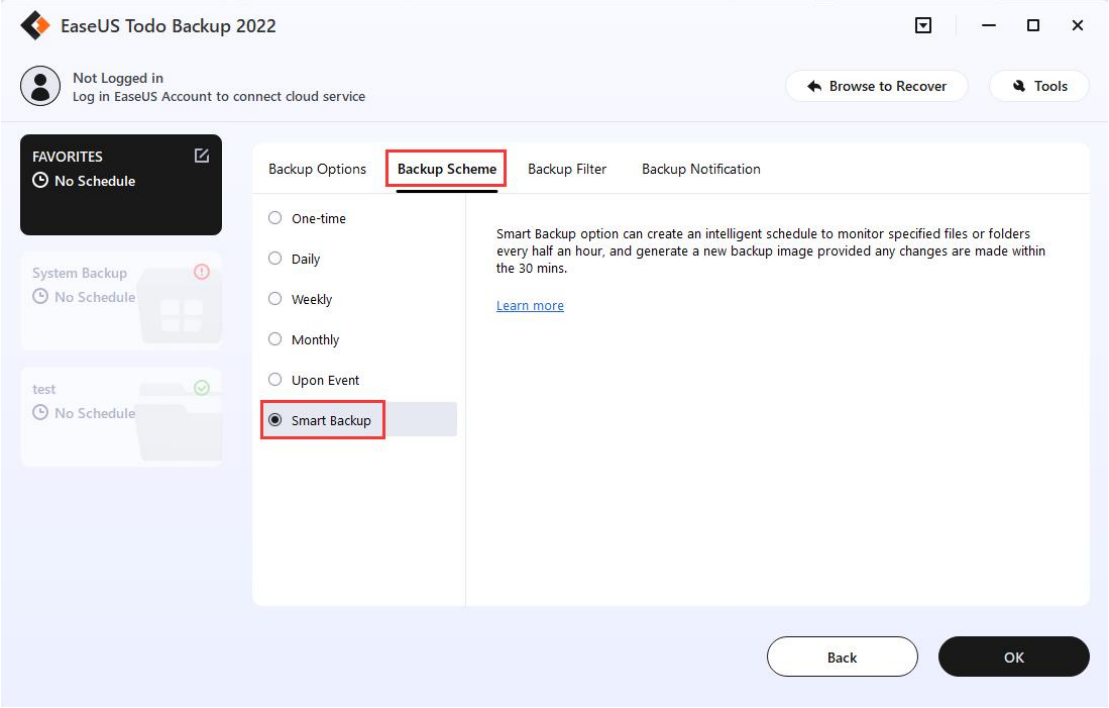

Note:
Smart Backup does not support disk or partition backup.
Files/folders saved in network drive is not supported by Smart Backup.

When You Need Smart Backup

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

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.

How Smart Backup Creates Images

The very first image of Smart Backup is always Full.

Thereafter, a new Full image is created every seven days: the first image on day 1 of the next period is Full.

The first image on days 2-6 is Differential.

Any second or later images on day 1 after the Full, or on days 2-6 after the Differential, is Incremental.

No backup images are created when your computer happens to be powered off or disconnected.

How Smart Backup Manages Images

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To avoid insufficient disk space in your backup destination, Smart Backup automatically deletes images as follows:
1. All the Incrementals created yesterday will be deleted with the completion of today's first Differential image.
2. There should be 6 Differentials at most. The 1st Differential from day 2 will be deleted with the completion of the one after the next day 1 Full. For example: The Differential created on day 2 will be deleted with the completion of Differential on day 8 (day 2 of the next period).
3. There should be 2 Full images at most. Therefore you are limited to restore from 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.*

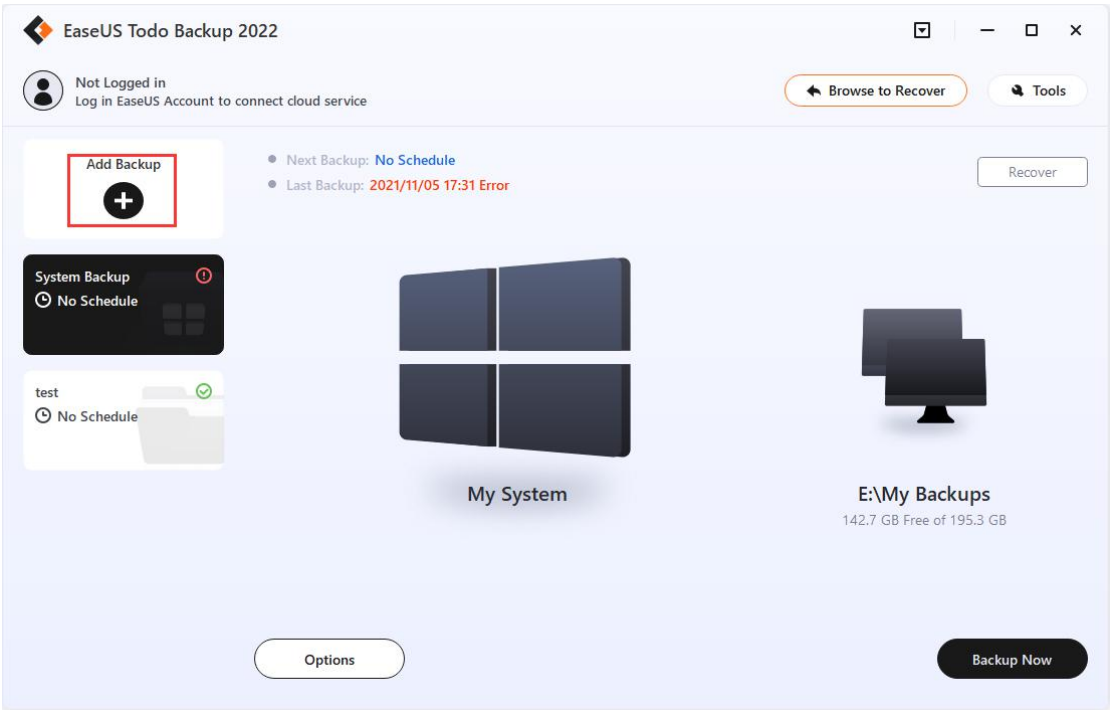
Email Backup

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

Tips:
Windows live mail and Mozilla Thunderbird are not supported.

Please click **Add Backup** on the left side, select **Mail** as the backup contents, specify contents for backup, then click **Backup Now**.The backup plan name can be edited, too.

You may backup whole mailbox, individual folder(s), Contacts and Calendar, etc.



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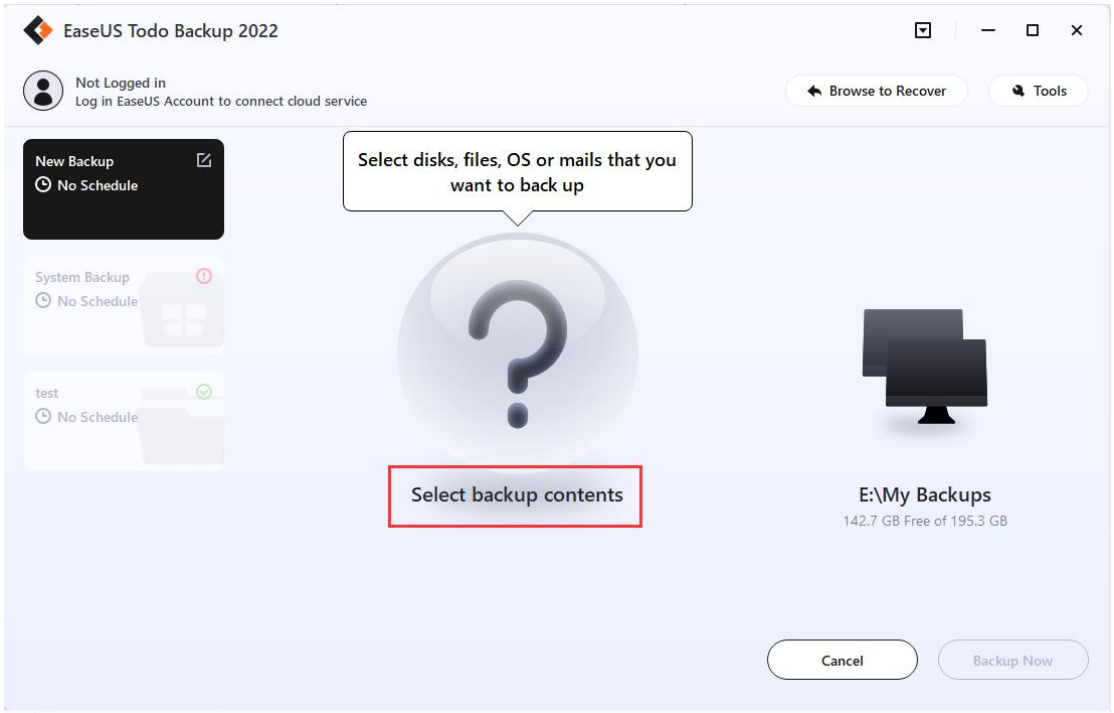

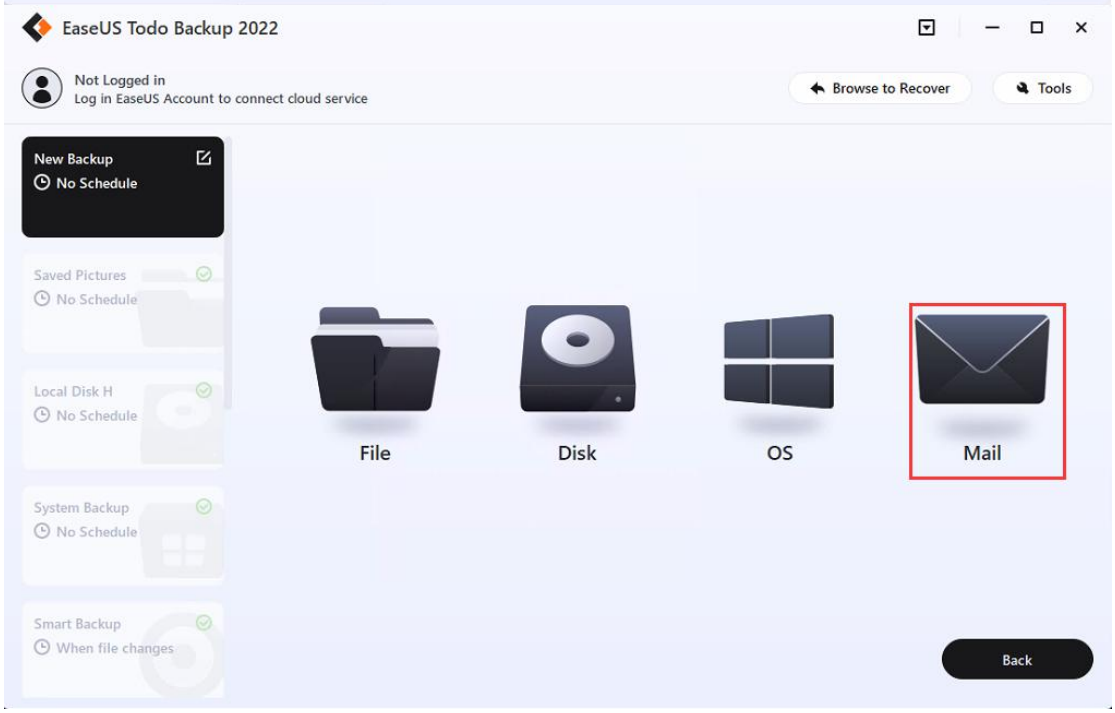

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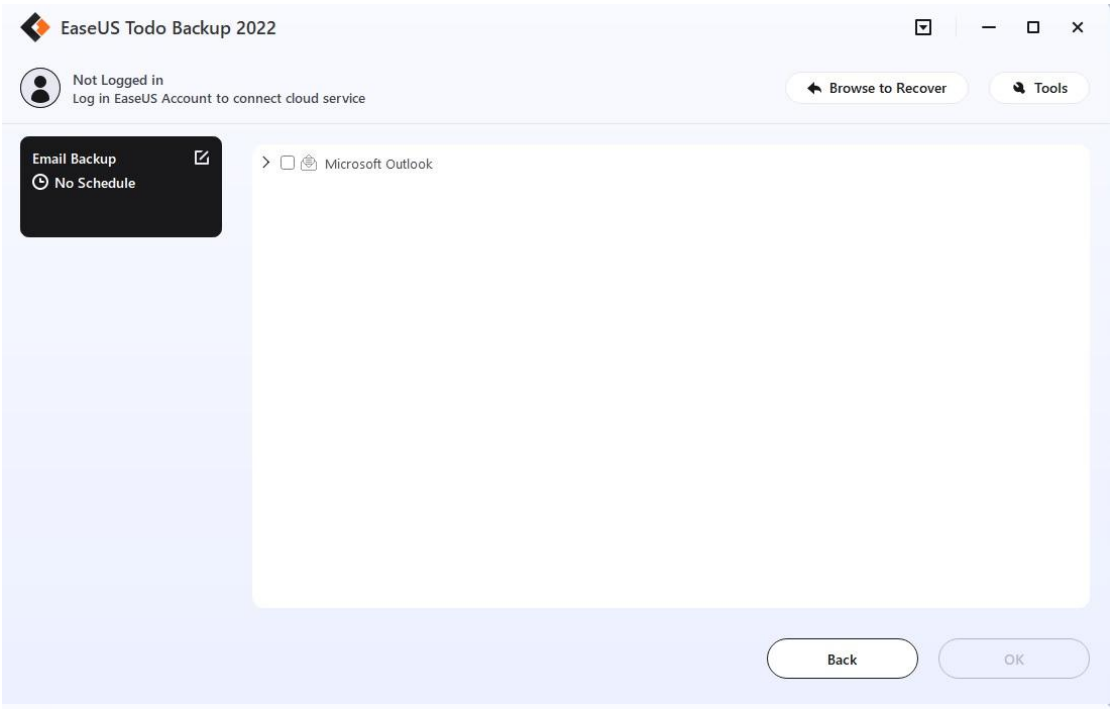

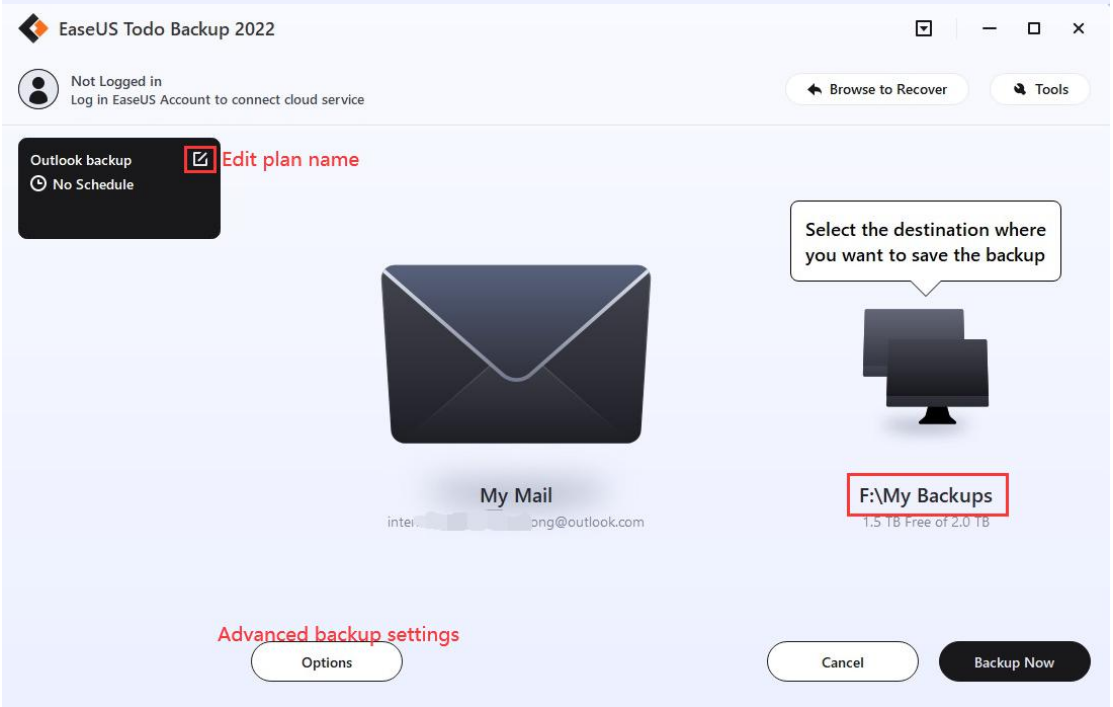

Advanced backup settings

Advanced backup settings are useful when you want to create a flexible and automatic backup plan. **Backup options** is to edit the advanced parameters. **Backup Scheme** is to create an automatic backup plan. **Backup Filter** is to exclude the added file types and folders to avoid backing up unnecessary files. With **Backup Notification**, you may monitor backup status with E-mail notification.

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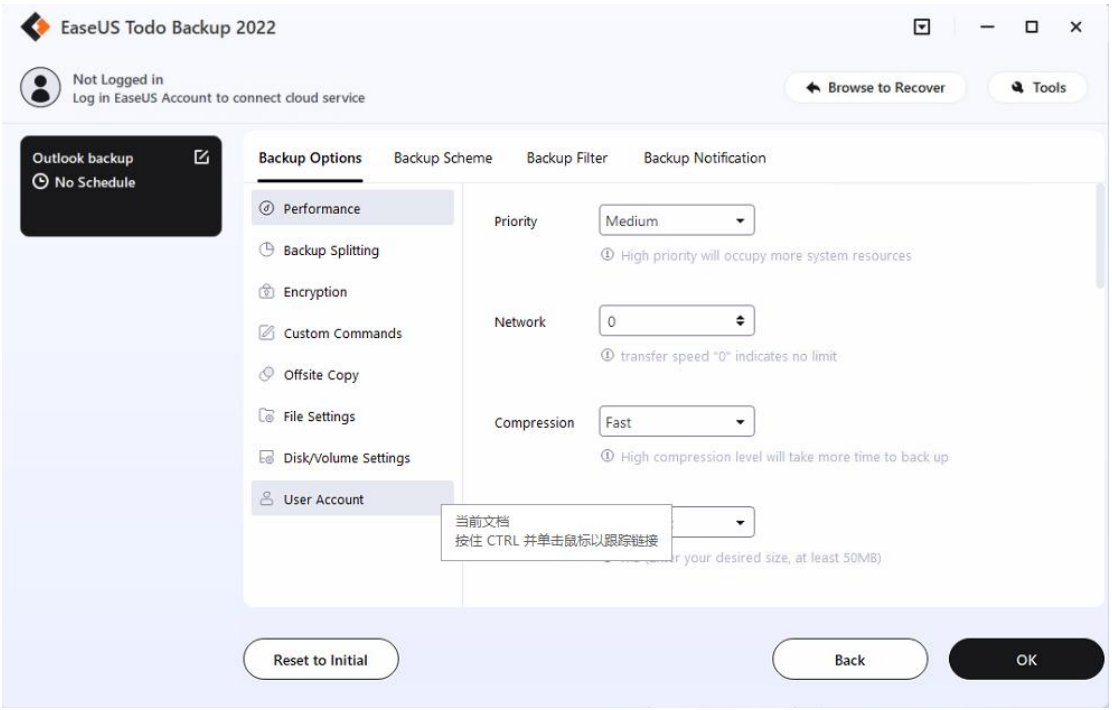

For more details, please click:
Backup option, Backup Scheme, Backup Filter, Backup Notification.

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

Advanced Backup Settings

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 the advanced settings.

Backup Options

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

Performance

Performance includes Priority and Network.

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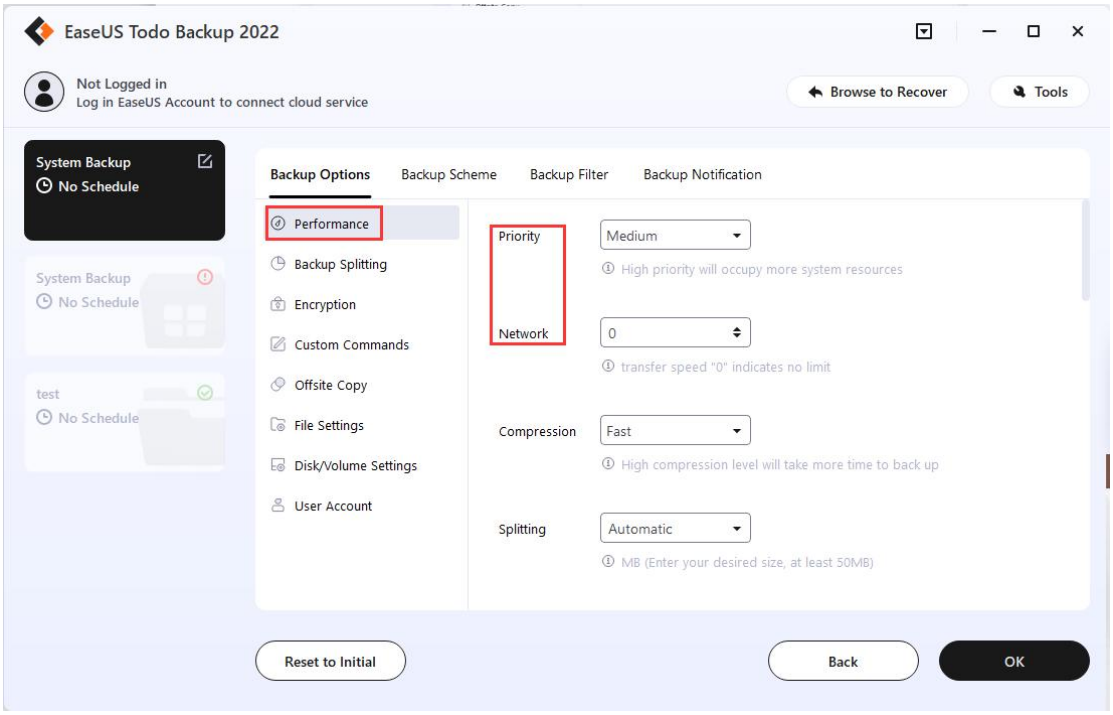

Priority

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

Network

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

Backup Splitting

Backup Splitting includes Compression and Splitting.

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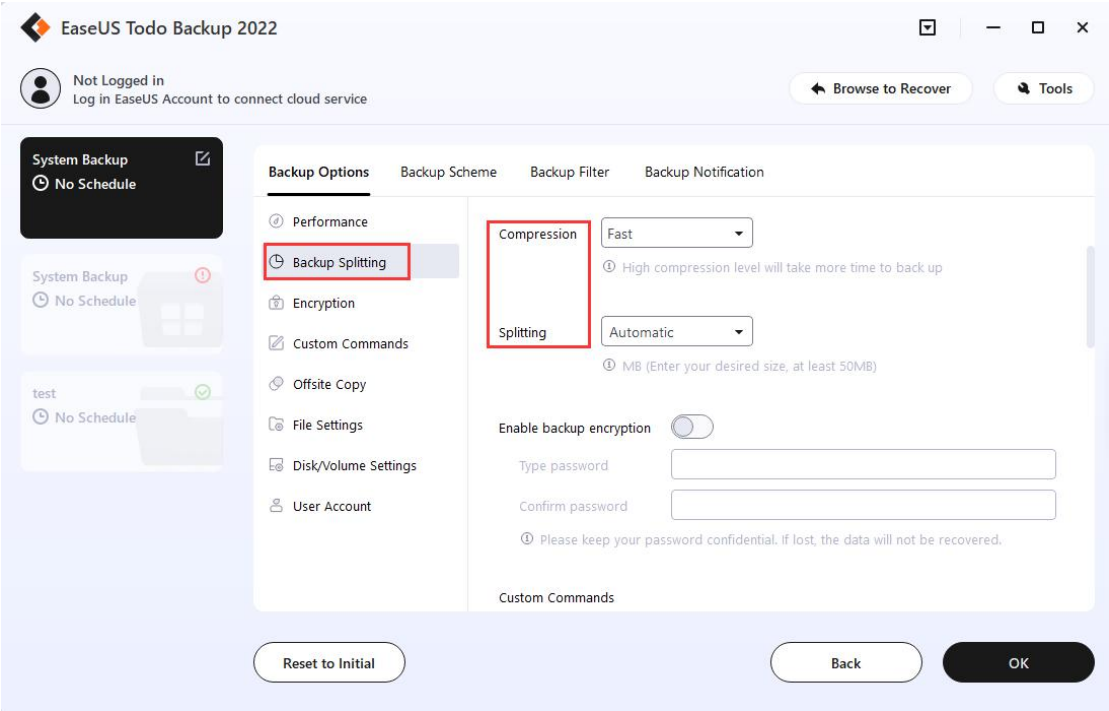

Compression

A backup file can be compressed with different compression levels. In most cases, images with **High** compression is in a smaller size than the ones with **None** or **Fast** compression.

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.*

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.

Encryption

To protect images with password, please **enable Backup Encryption.** The password adopts AES256 algorithm, which should be less than 15 characters.

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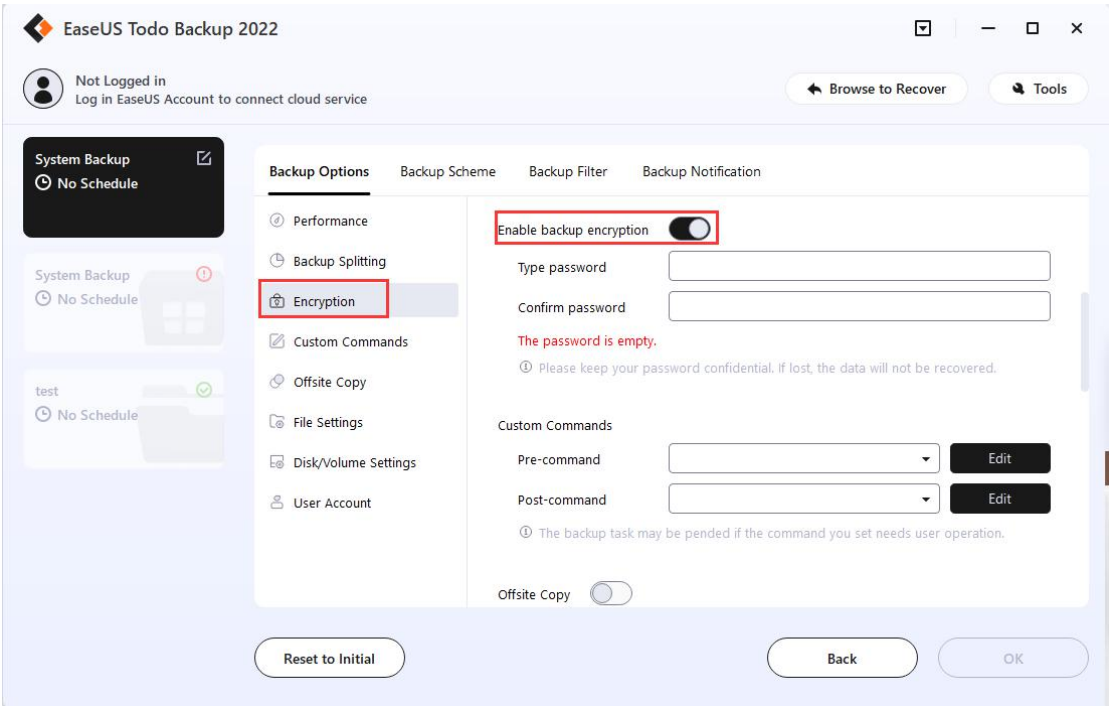

Note:
Make sure the password is properly saved. EaseUS is unable to decrypt the encrypted images.

Custom Commands

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

Offsite Copy

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

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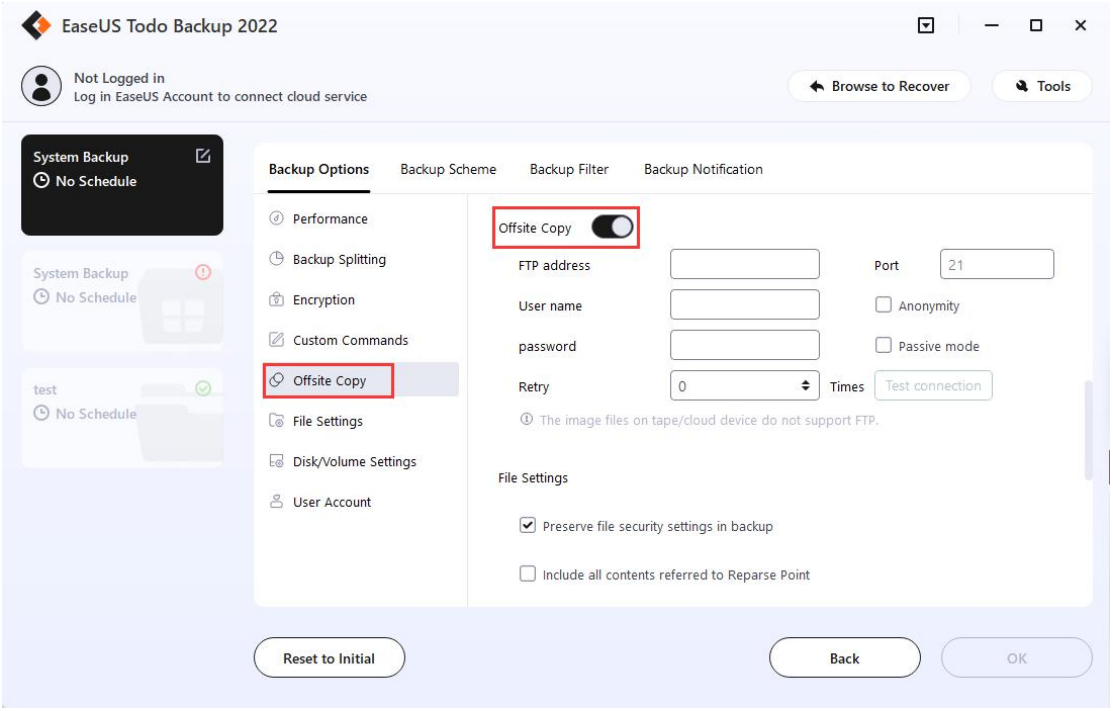

Basic settings:

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.

File Settings

This feature can enable you to preserve file security settings in backup as well as include all contents referred to Reparse Point.

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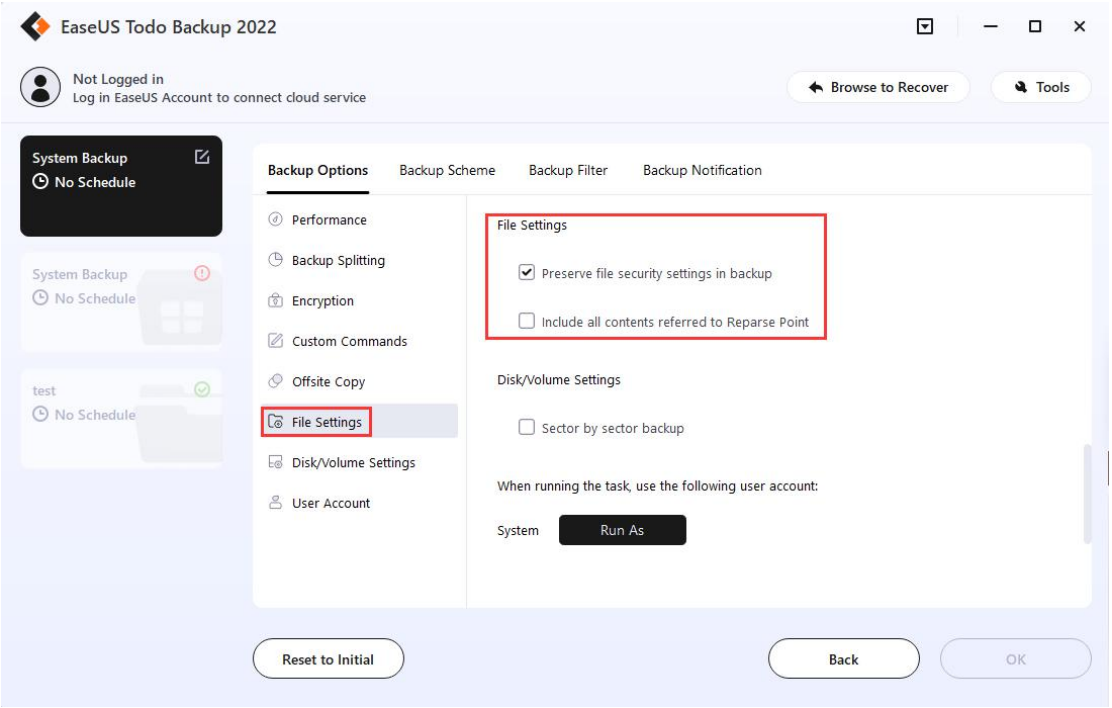
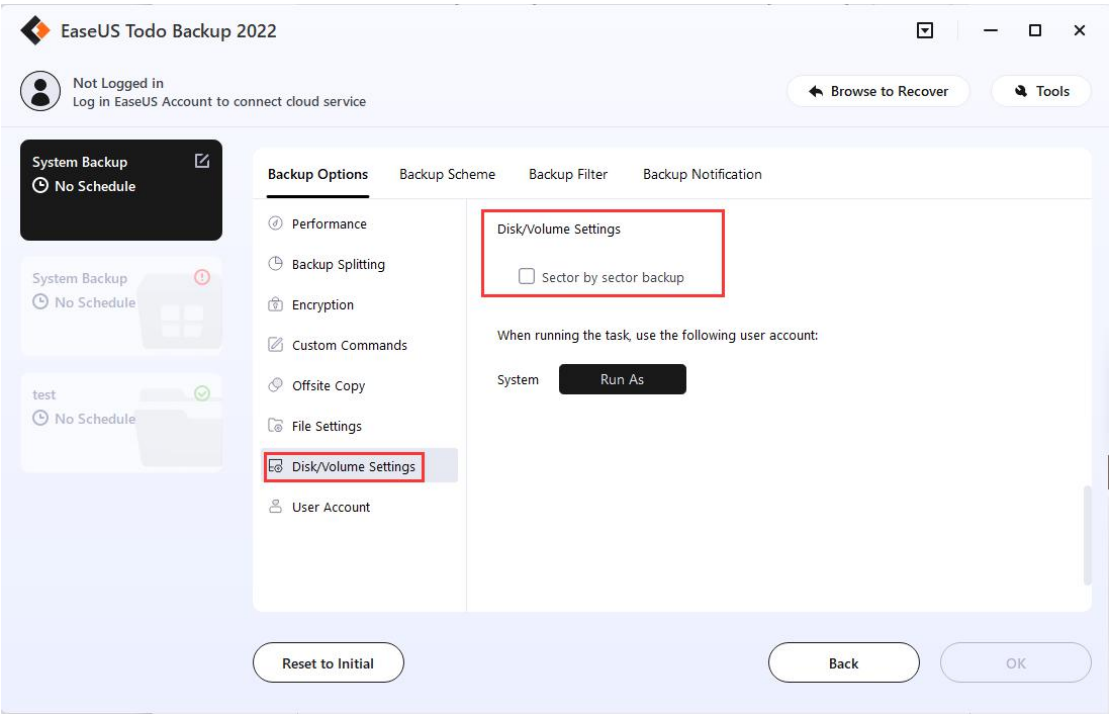


Disk/Volume Settings

This feature is available for disk/partition/system backups. By ticking **Sector by sector backup**, all the data sectors and blank ones are to be backed up. It is useful when there are errors on the file system. However, it slows down backup speed with a relatively larger image compared with a normal backup.



User Account

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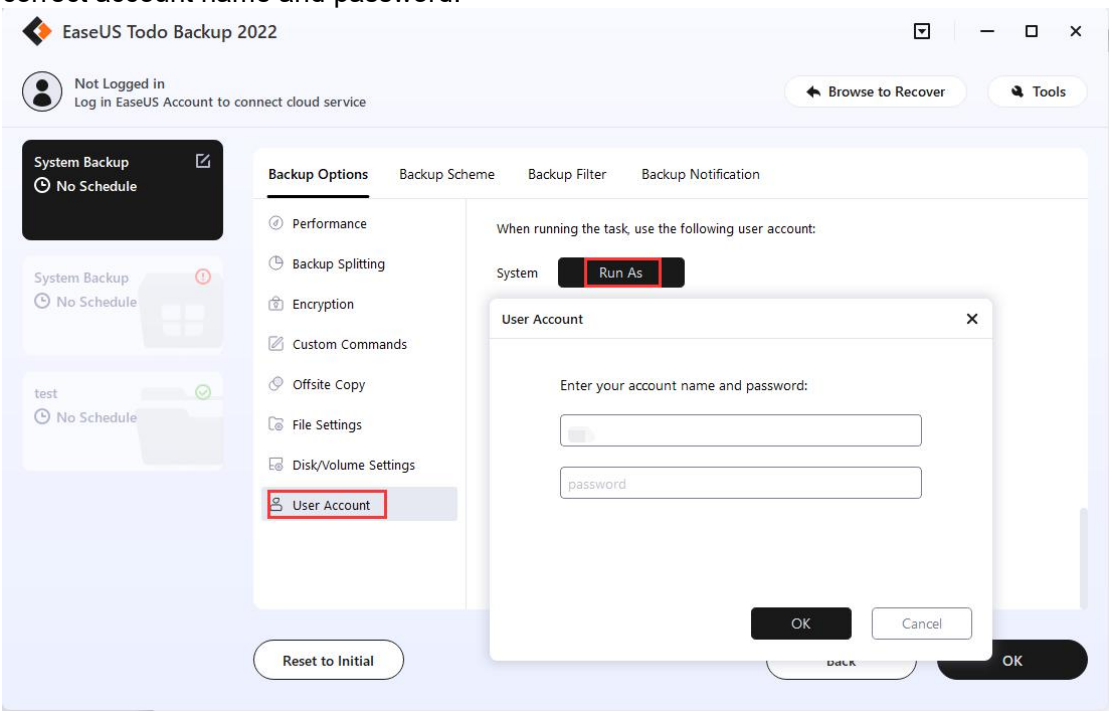
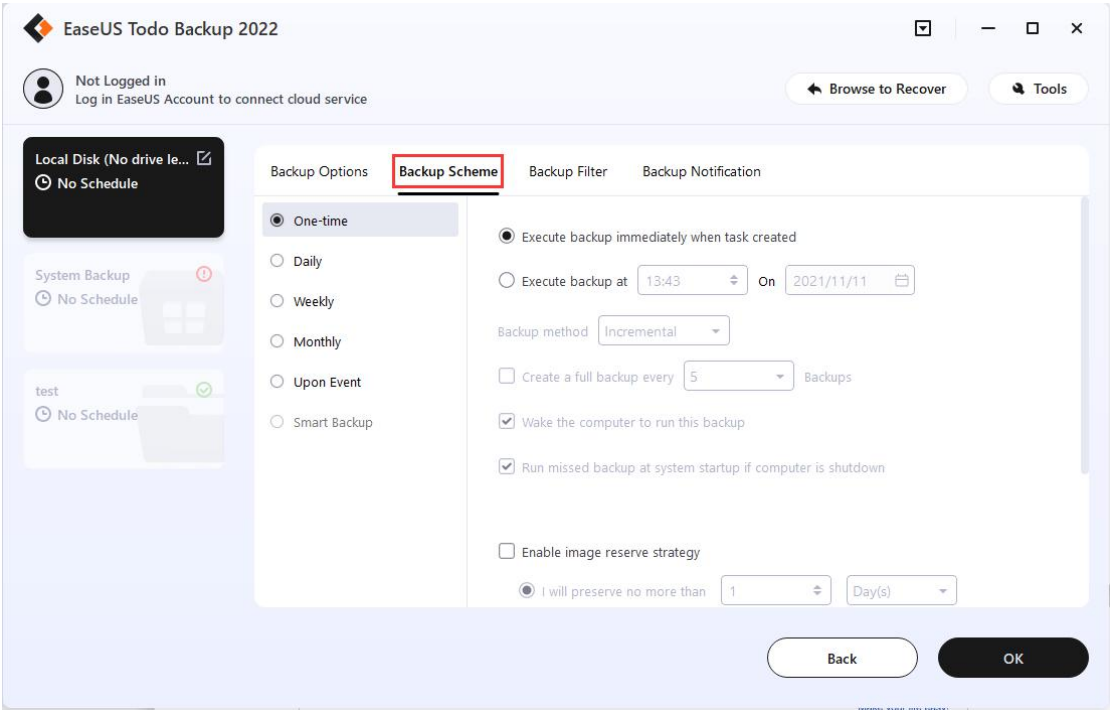
You can specify the user account to run the task. Please click **Run As** and input the correct account name and password.



Backup Scheme

EaseUS Todo Backup provides six **Schedule Types**.



One-time backup

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It specifies a time to execute the backup task once.

Daily backup

The backup is to be automatically executed at the scheduled time every day, which may be either at specific time point(s) or by time interval.

Time- Execute the plan at specific time point(s). Click ⊞ to add new time points. Five time points are limited within one day. To remove the time point, please click ⊟ .
Interval - Set start time, finish time and interval time for the plan.
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 backup

The backup is to be automatically executed at the scheduled time every week.

Monthly backup

The backup is to be automatically executed at the scheduled time every month, which may be based on date or week. An exact time point on the exact day(s) to execute the backup is required.

Every - Schedule the time by week. You may choose first, second, third, fourth or last week of each month to execute the backup.
On- Schedule the time by date. You may choose any exact day(s) to execute the backup in each month.

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 user logs in.
User log off - Backup runs automatically when user logs off.
USB device plugged in - Backup runs automatically when USB device is plugged in provided that it is set to be the destination.

Once a day only
The event backup will be executed once a day only in any cases with **Once a day only** checked.

Specified date
The event backup will be executed on the exact date checked only. The event backup is to be executed everyday with **Specified date** unchecked.

Note:
*Exchange backup does not support **Upon event.***

Smart backup

Smart Backup option can create an intelligent schedule to monitor specified files or folders

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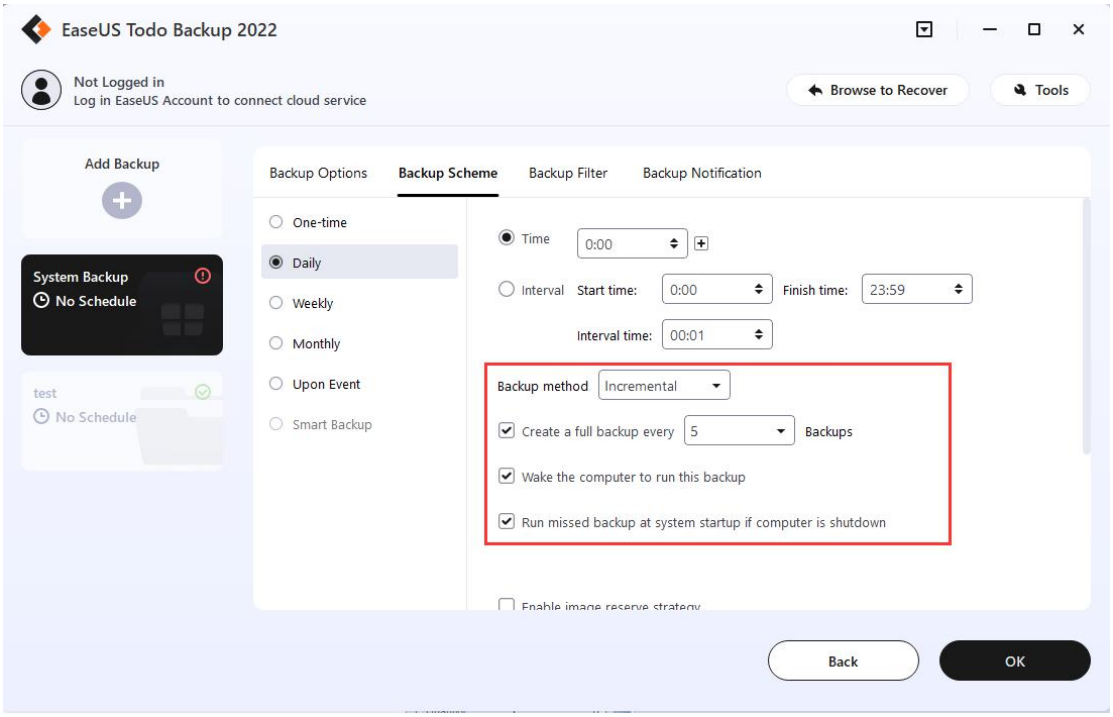
every half an hour, and generate a new backup image provided any changes are made within 30 mins. For more information please click here.

Apart from choosing the backup time schedule, there are other options like **Backup method** and **Image Reserve Strategy.**

Backup method

There are three backup methods, **Full**, **Incremental** and **Differential**. You may get a knowledge of differences among Full, Differential and Incremental here.



Create a full backup every X backups

You can set up to create a full backup regularly. For example if you set the number as 5, the 6th, 11st, 16th backup images would be full ones.

Run missed backup at system startup if computer is shutdown

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.

Image reserve strategy

Destination storage is to be out of space sooner or later without **Image Reserve Strategy**. It can delete the old backups automatically. Here is how it works in image retention rule to save storage space.

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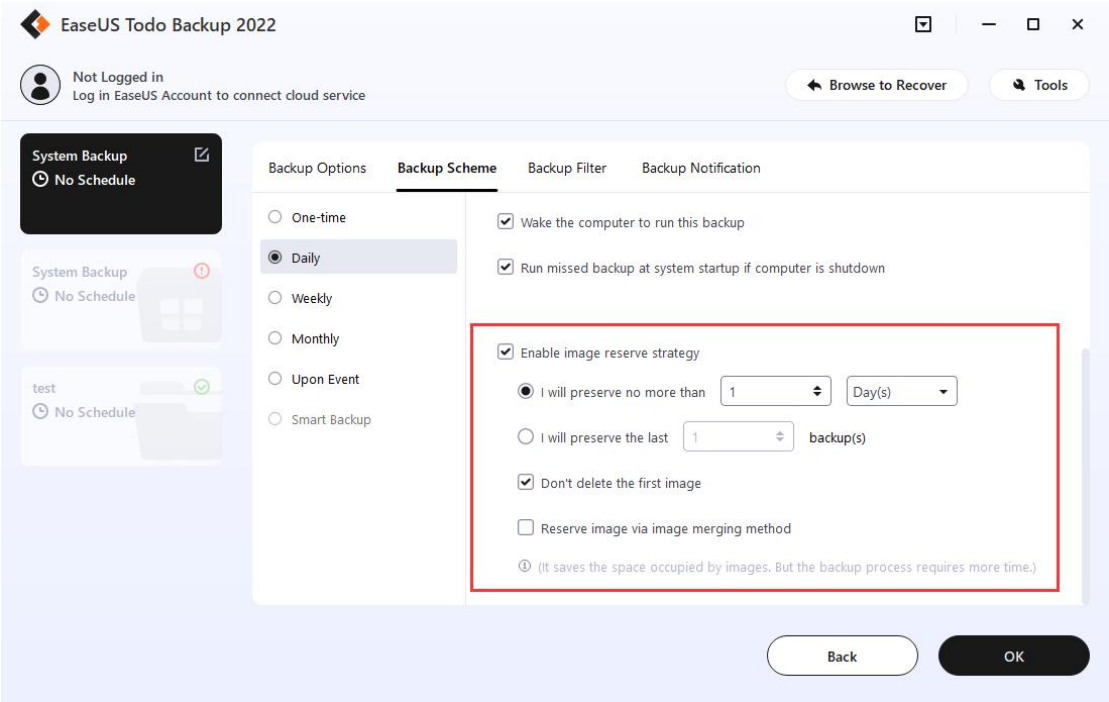

Images are be deleted on the basis of period, numbers, week, month and year. For more details, please click here.

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 here.

Backup Filter

This feature can exclude the certain file types and folders to avoid backup the unnecessary files. You can add the files/folders by imputing the file extension, path, or browse them. Click the delete icon to remove them from the filter list.

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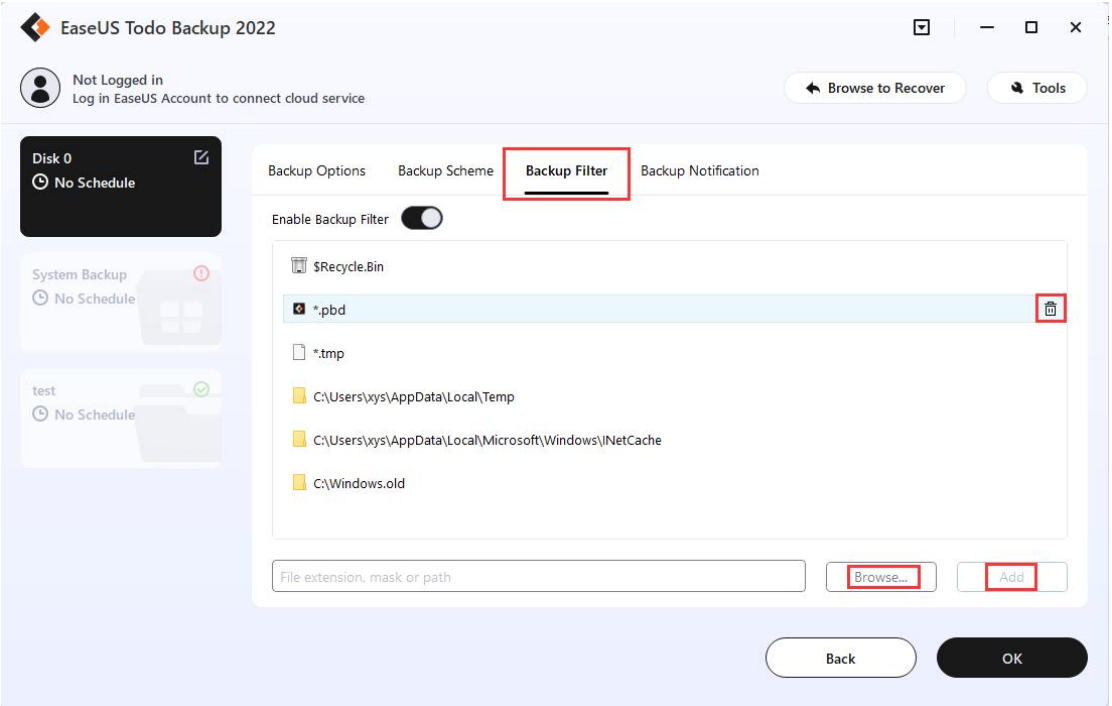
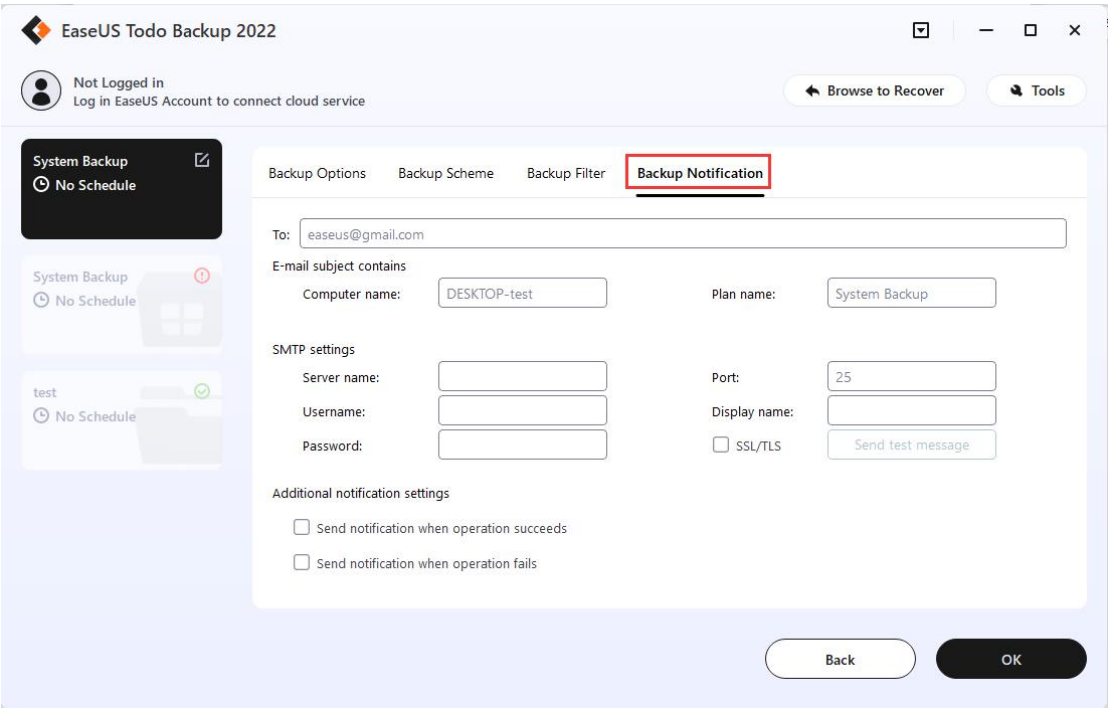


Note:
You can not edit the Backup Filter list when creating System Backup.

Backup Notification

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



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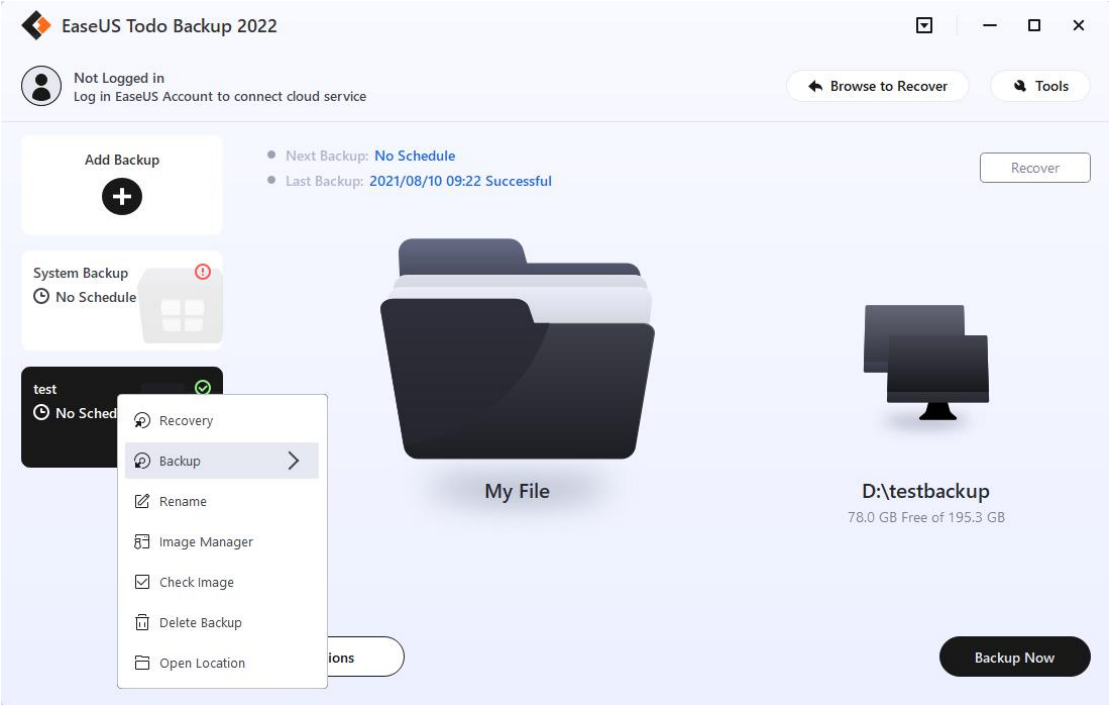
Edit Existing Backup Task

Highlight the task and you will see the execute time of the last and the next backup on the home page. By clicking the source and destination icon you can change the backup content and the destination locations.

Right click the existing backup task, there are several other options including Recovery, Backup and others.



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.

Rename
To rename the backup task.

Image Manager
To click Image Manager is to manually delete or merge the created images.

Check image
For more information, please refer to Check image.

Delete Backup
To remove the backup task only with Delete related images unchecked.

Open Location
To access the file directory where you saved backup image file.

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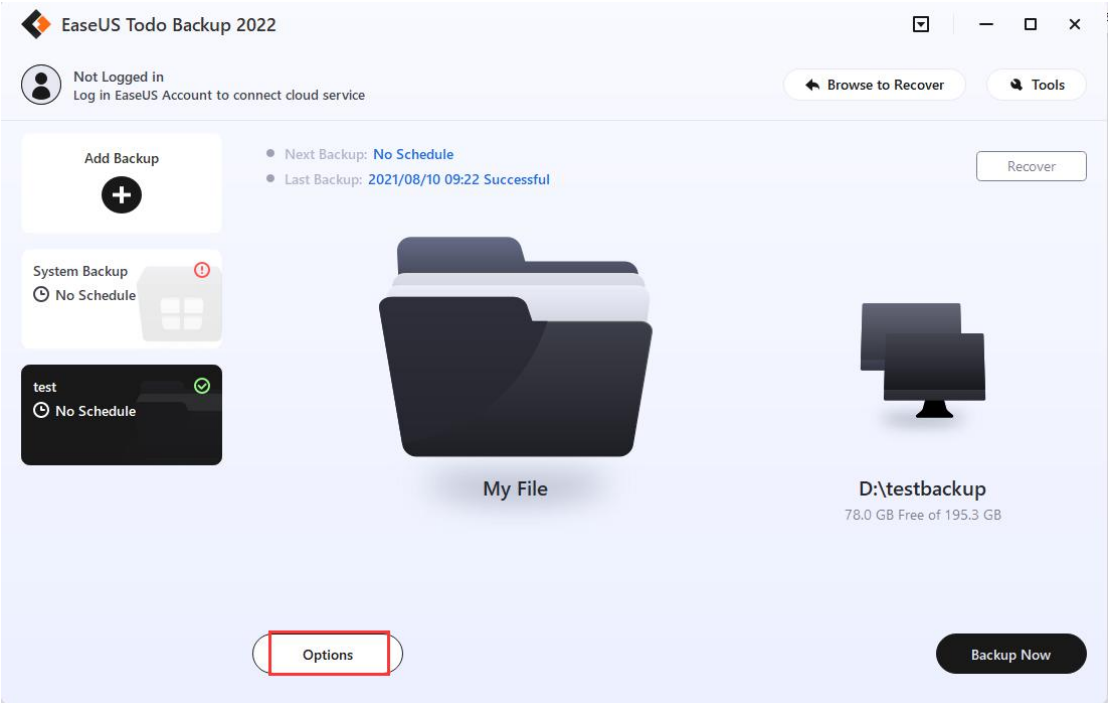
Edit Task
Highlight the backup plan and click Options.



Cloud backup

Currently there are 2 kinds of cloud backup options in Todo Backup Home.

Public Cloud Storage

You can backup to public cloud storage like **OneDrive**, **DropBox** and **GoogleDrive**. Cloud backup supports **File backup**, **Smart backup**, **Mail backup** and **Exchange backup** only.

You will find the Cloud backup in **Local Drive->-Cloud Device**.

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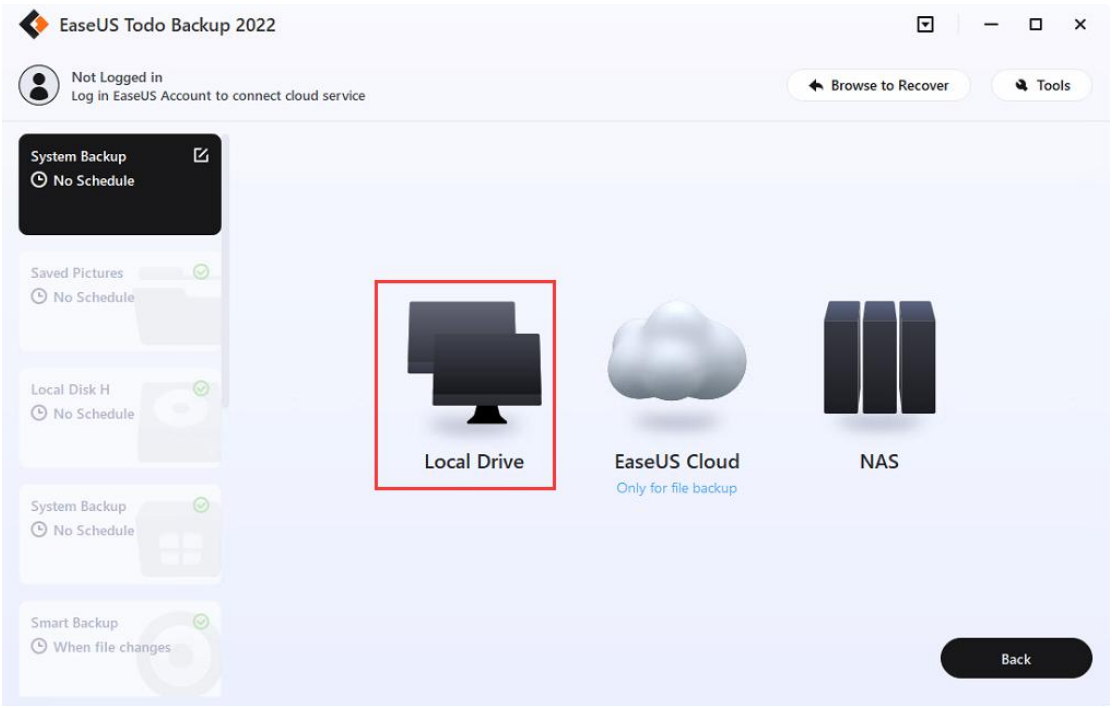

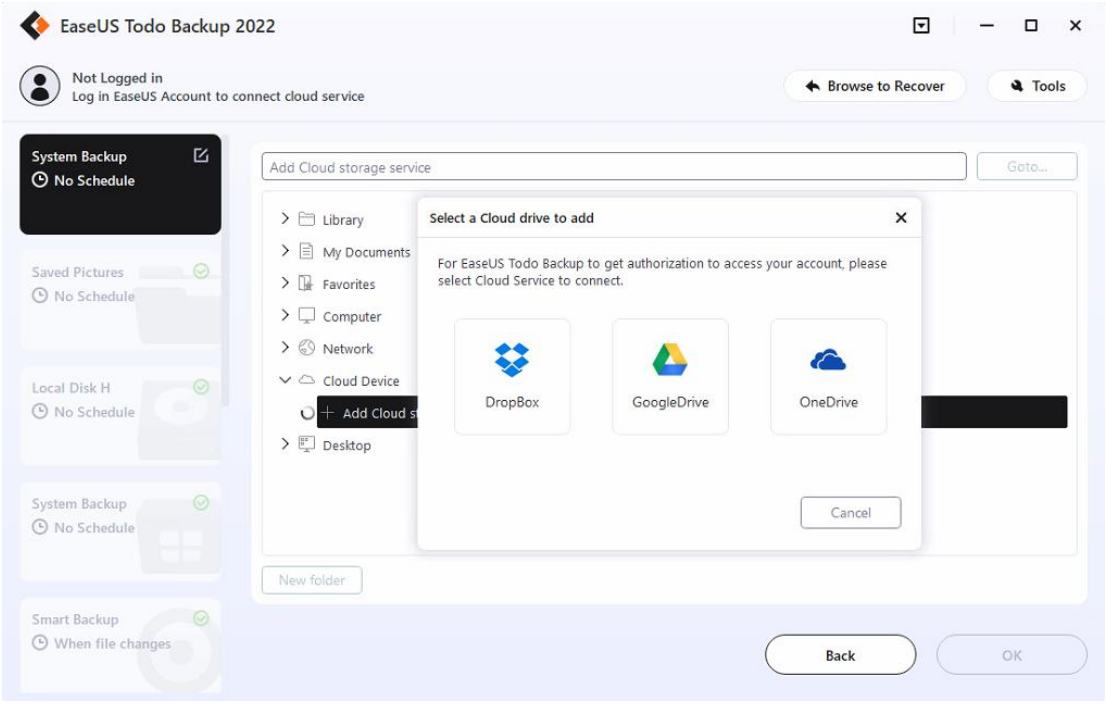

Cloud storage requires to be authorized via webpage. Here is an example of GoogleDrive:

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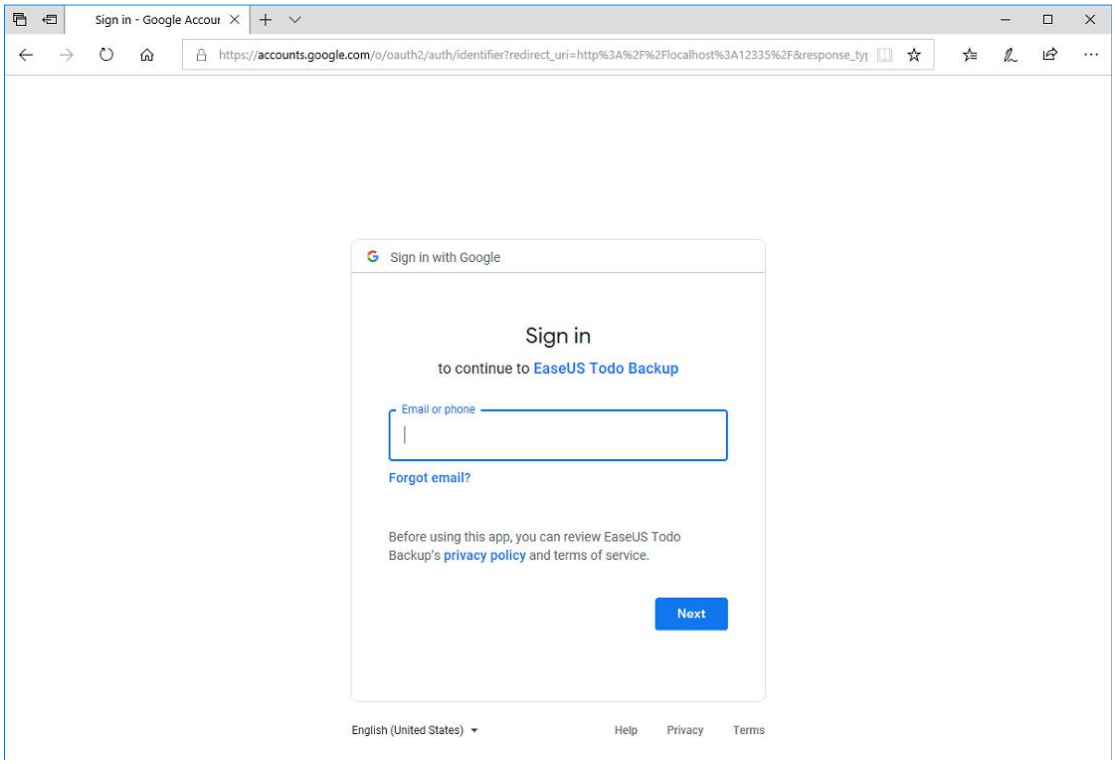
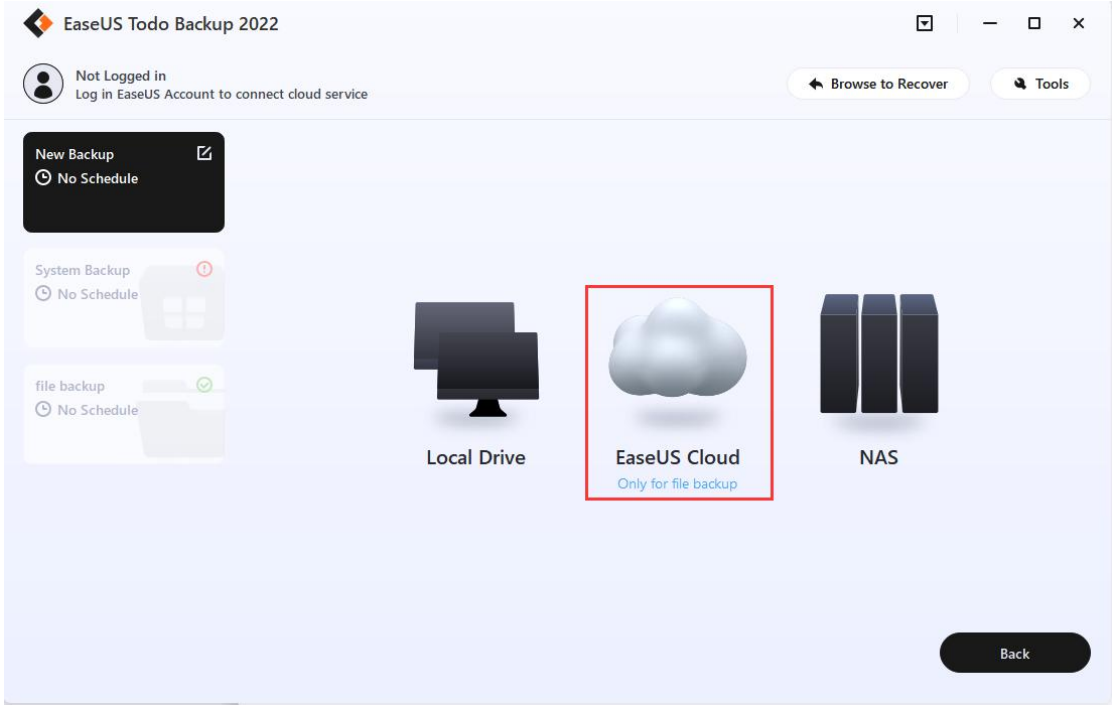


EaseUS Cloud Storage

Based on Amazon S3, EaseUS Cloud Storage is provided for the cloud-subscription users. And the backup images can be saved to EaseUS Cloud directly.

Currently it only supports File Backup.



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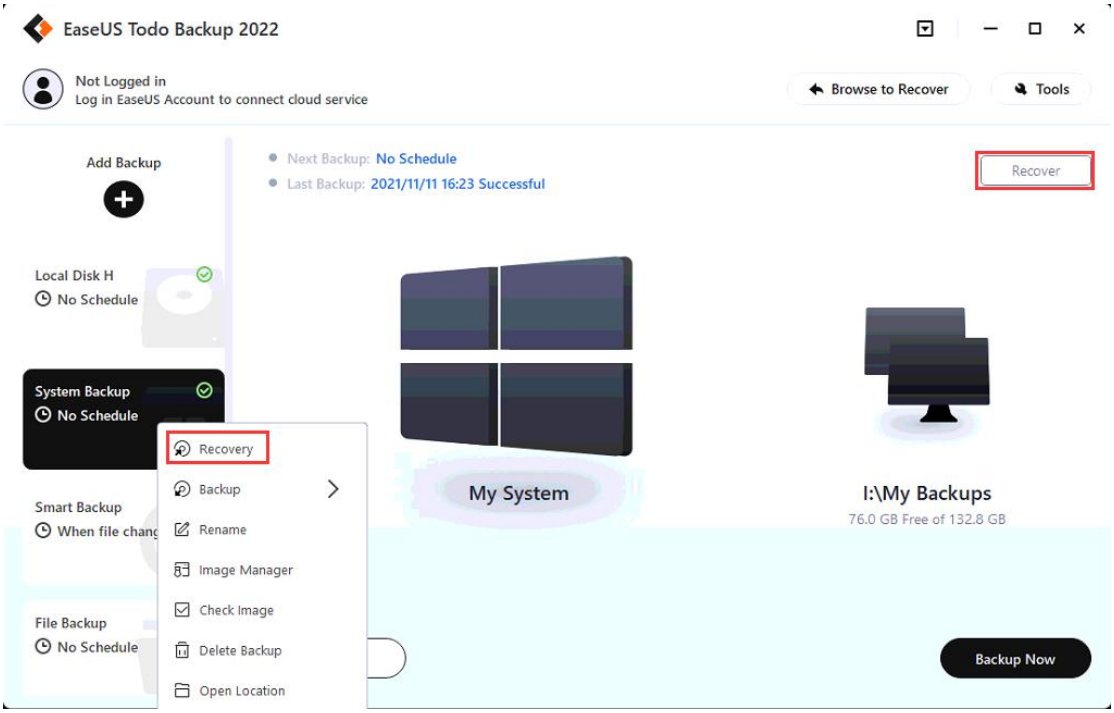
Recovery

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

1. Highlight the backup task, right click and select Recover, or click Recover in the right corner.



2. Choose one **History version** of backup image, after confirming the contents, click Next button.

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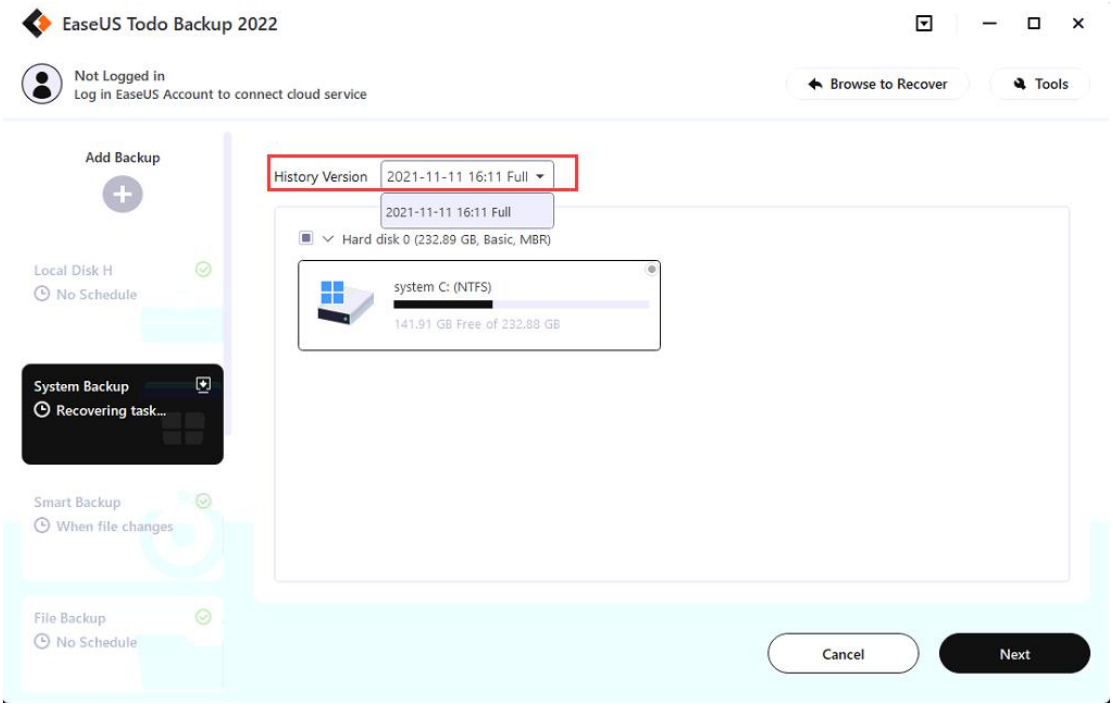
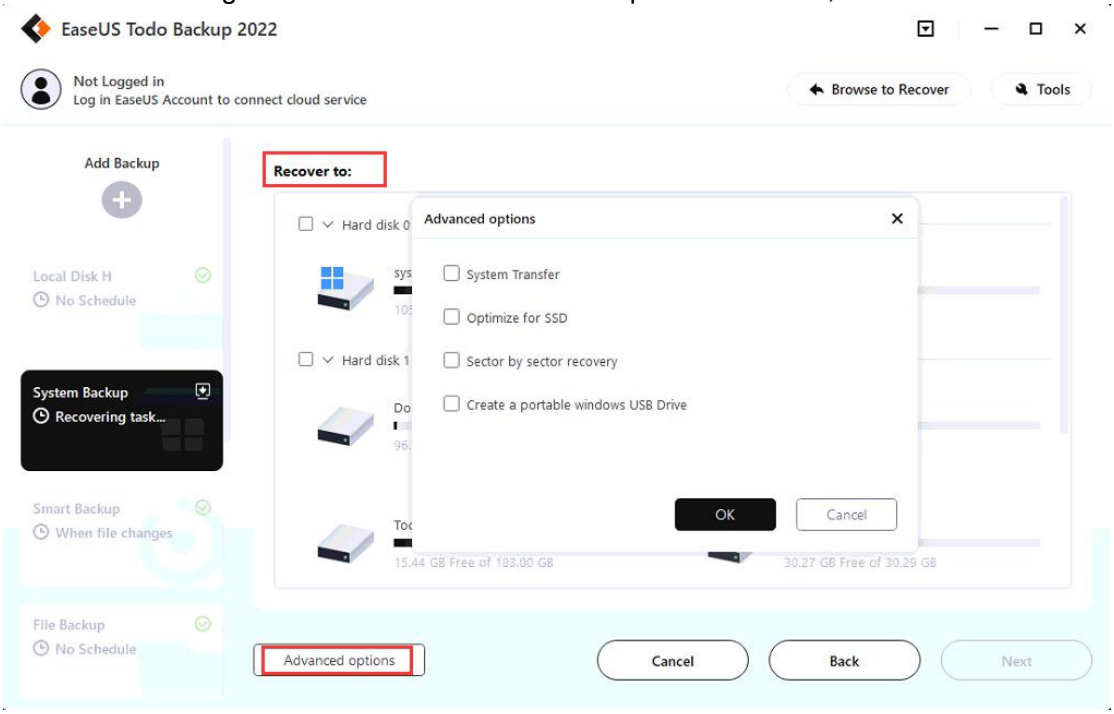


3. Choose the target disk and tick the Advanced Options if needed, then click Next.



Attention:
The original system will be overwritten once the recovery starts.
A WinPE bootable disk or Pre-OS 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

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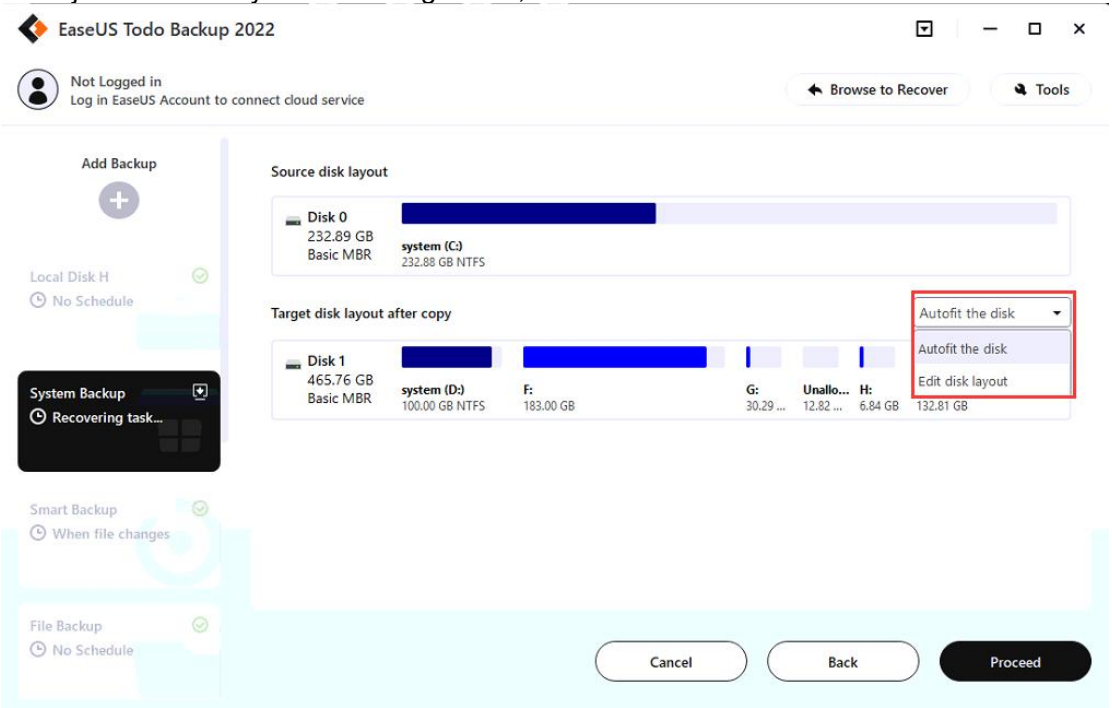
still give you a full restoration.

System Transfer - Restore the image which contains Windows system to dissimilar computer, for details please click here.
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.
Create a portable Windows USB Drive- Check this option if the target disk is connected via USB.

4. Adjust the disk layout of the target disk, then click Proceed.



Disk/Partition Recovery

1. Highlight the backup task, right click and select Recover, or click Recover in the right corner.

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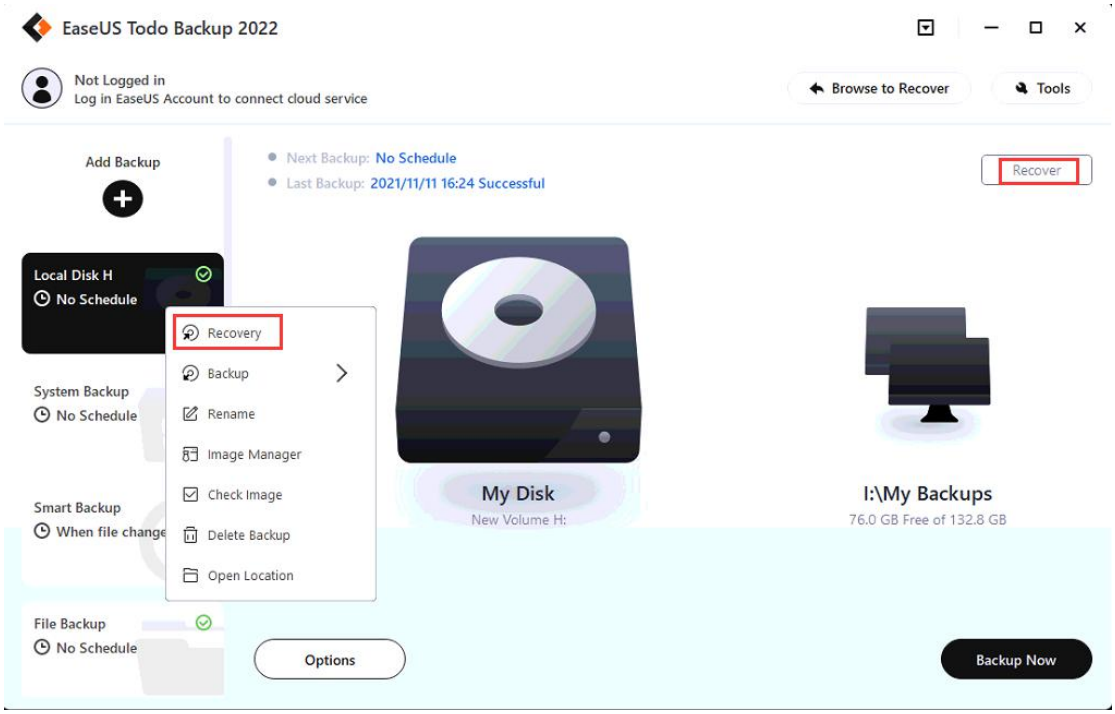
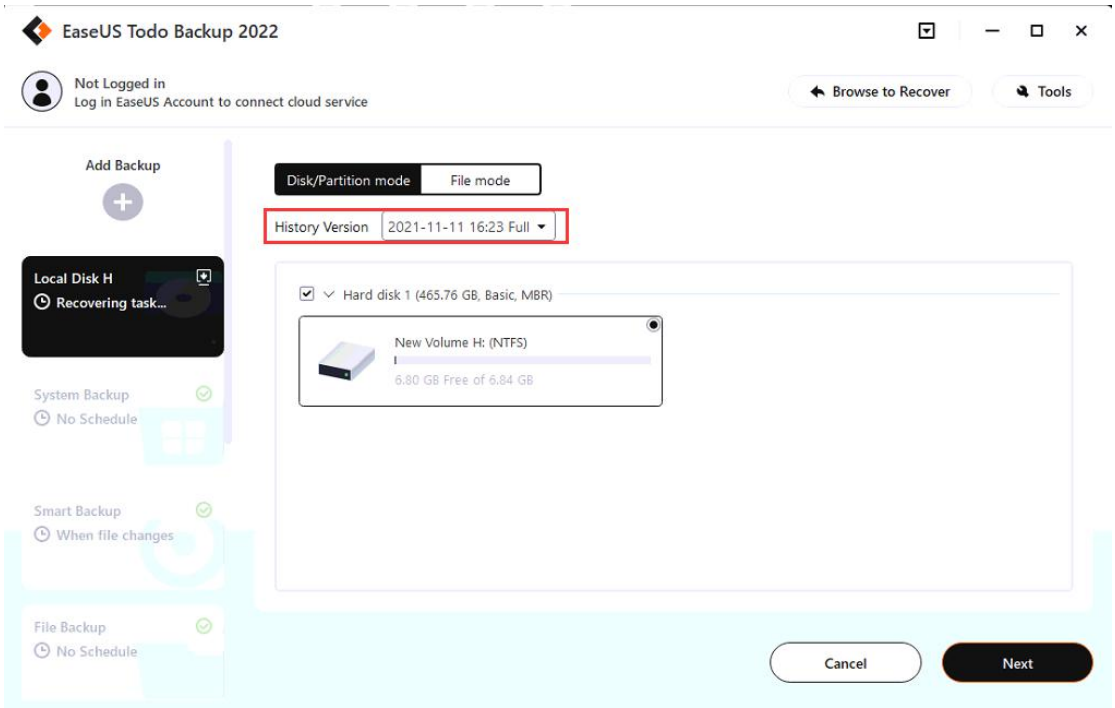


2. Choose one **History version** of backup image, after confirming the contents, click Next button.



3. Choose the target disk and tick the Advanced Options if needed, then click Next.

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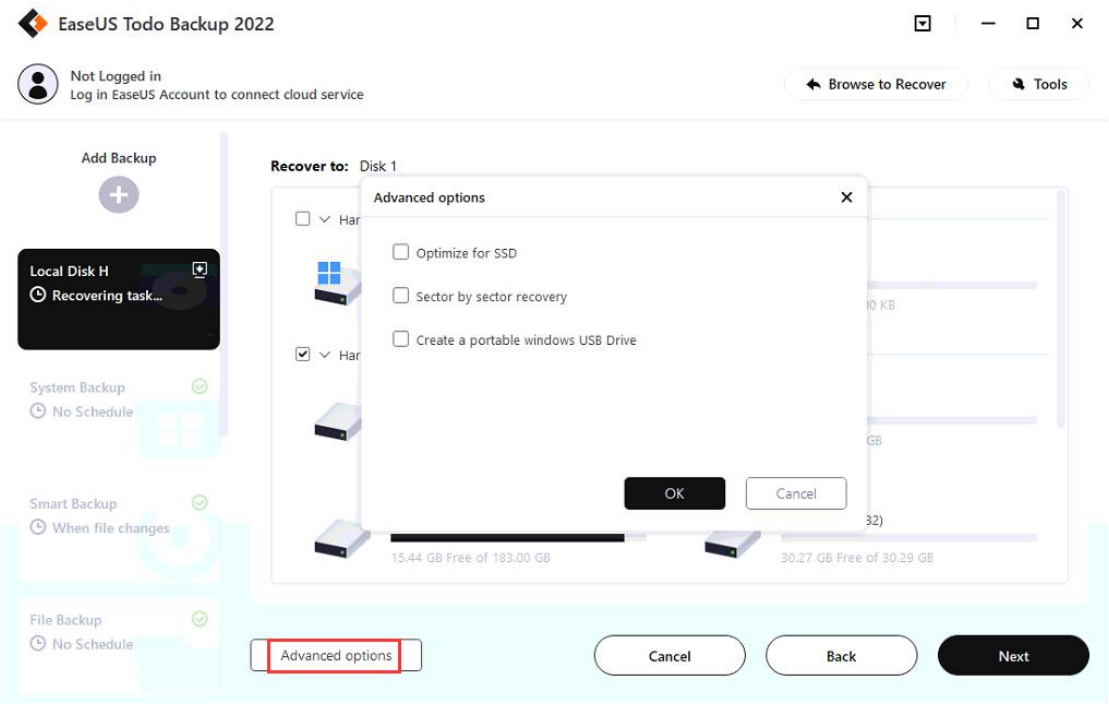

Note:
when you proceed a Disk/Partition recovery, the data on destination drive will be overwritten, please be careful that selecting the correct drive to restore.

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.

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.
Create a portable Windows USB Drive- Check this option if the target disk is connected via USB.

4. Adjust the disk layout of the target disk, then click Proceed.

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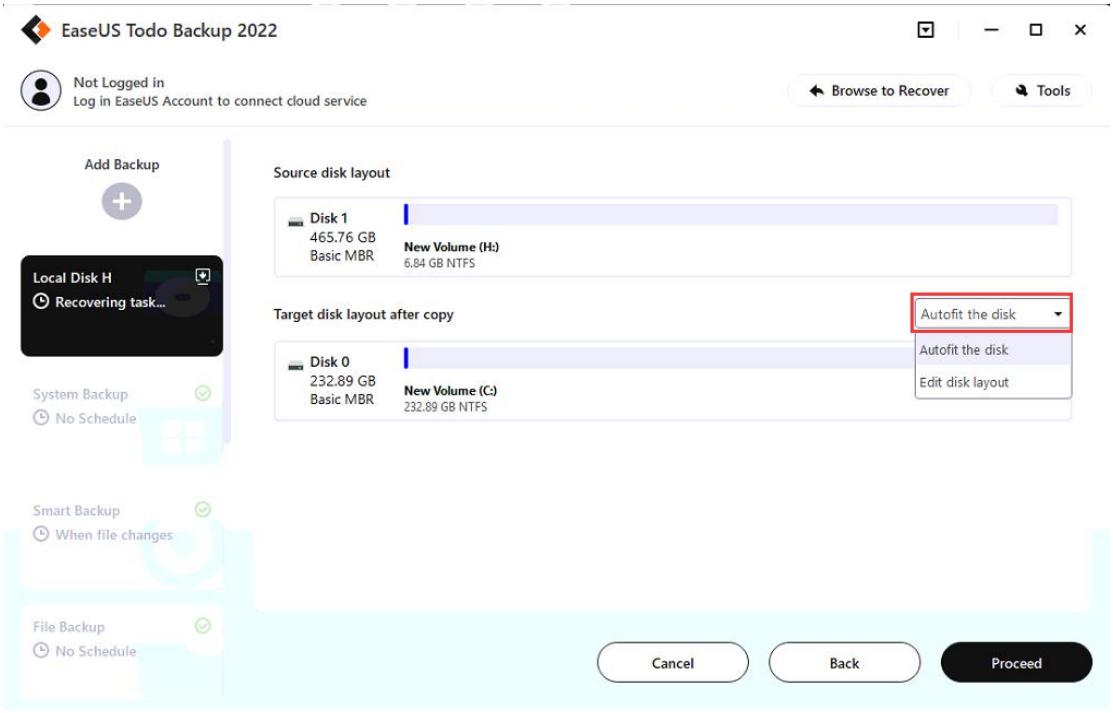
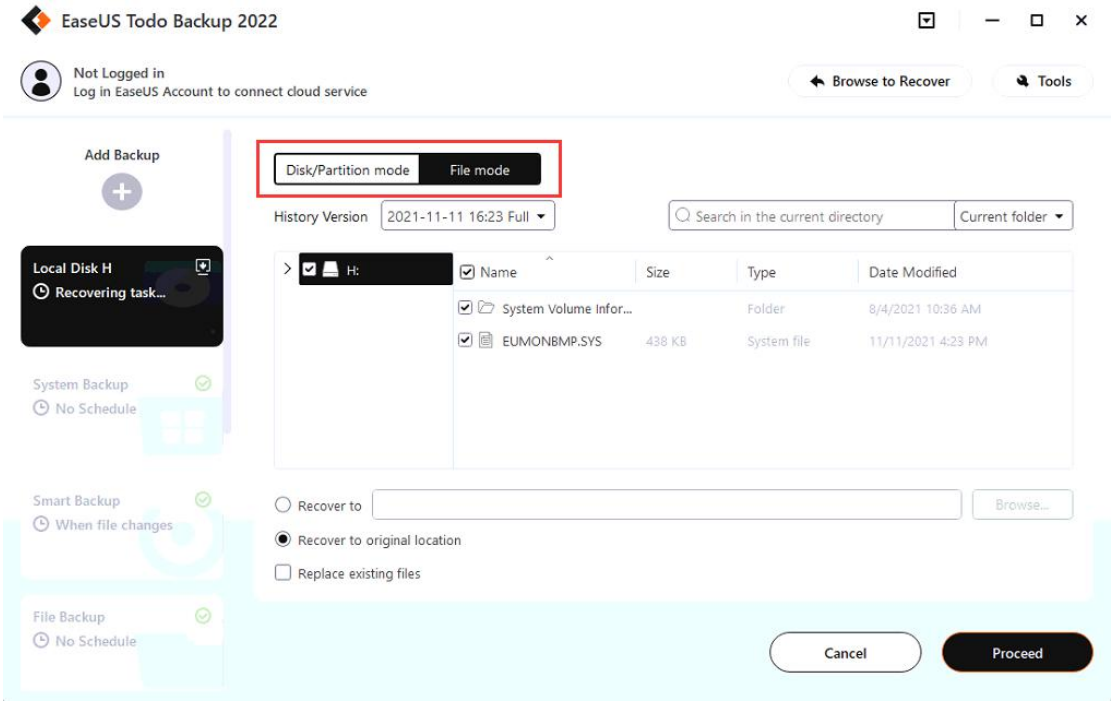


Disk/Partition mode and File mode

Two options are available for Disk/Partition recovery. Apart from restoring the entire backup as a disk/partition, you can restore individual files from the disk/partition image flexibly.



Disk/Partition mode

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Restore the entire disk/partition image.

File mode

Recover individual file/folder(s) from Disk/Partition backup image.

Specify a recovery location - The selected files or folders will be recovered to a specified location.
Recover to original location - The files or folders will be recovered to their original location.

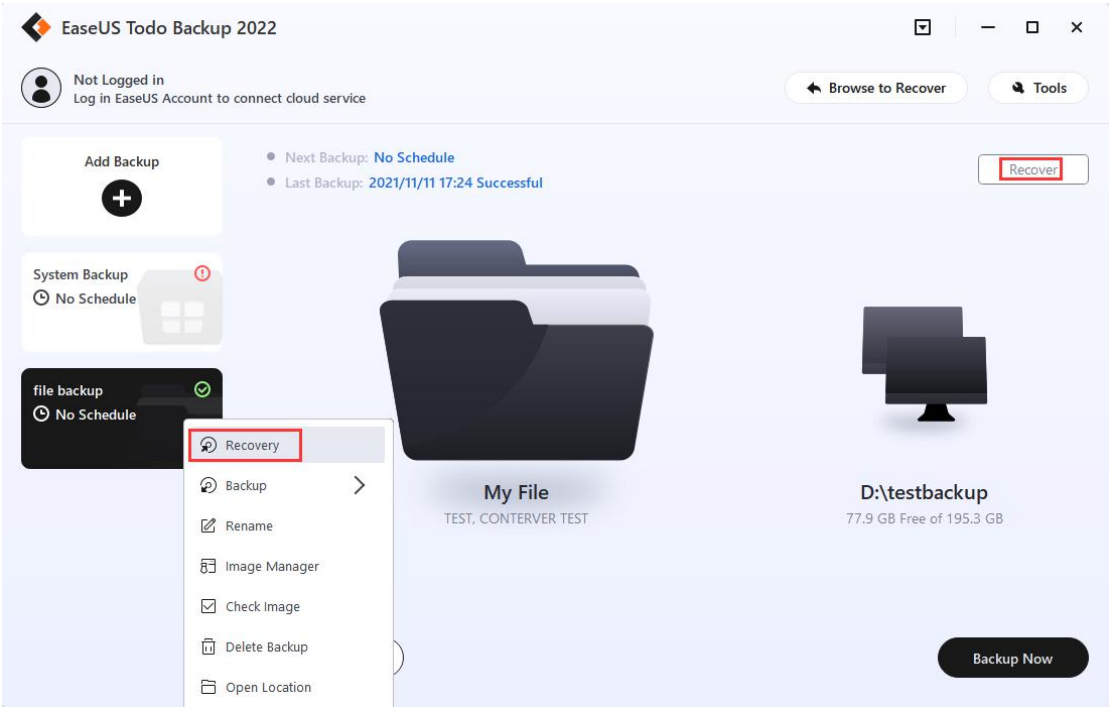
Dynamic volume recovery

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

1. Highlight the backup task, right click and select Recover, or click Recover in the right corner.



2. Choose a **History version** of backup image, confirm the contents and select a target location for recovery.

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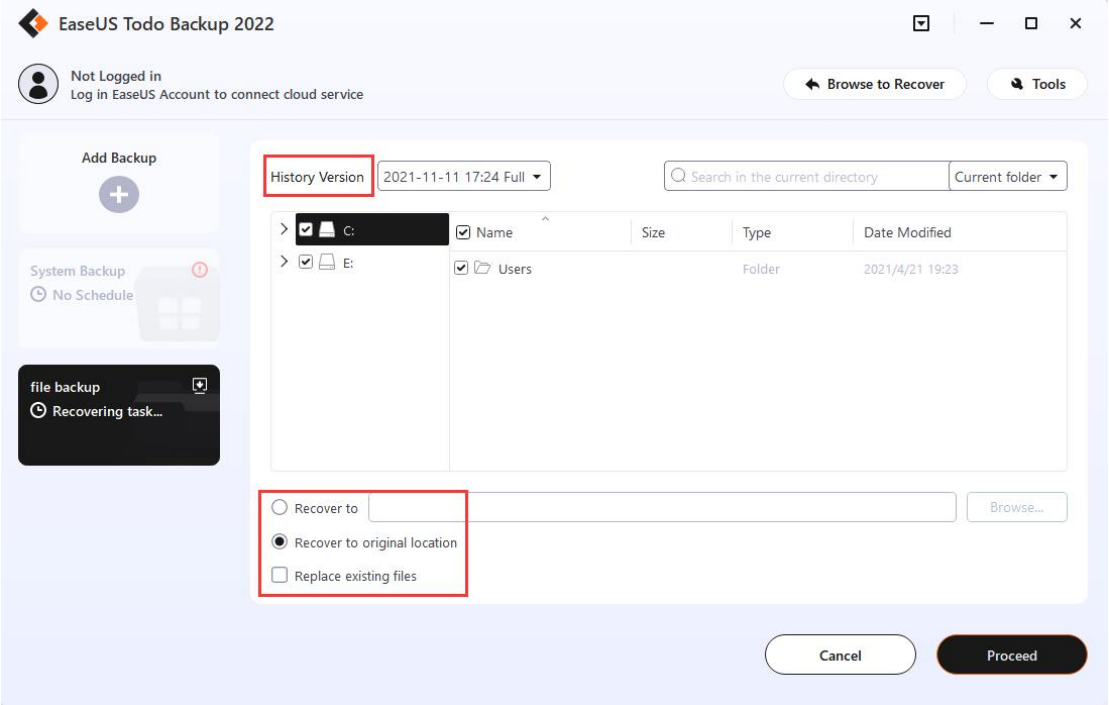
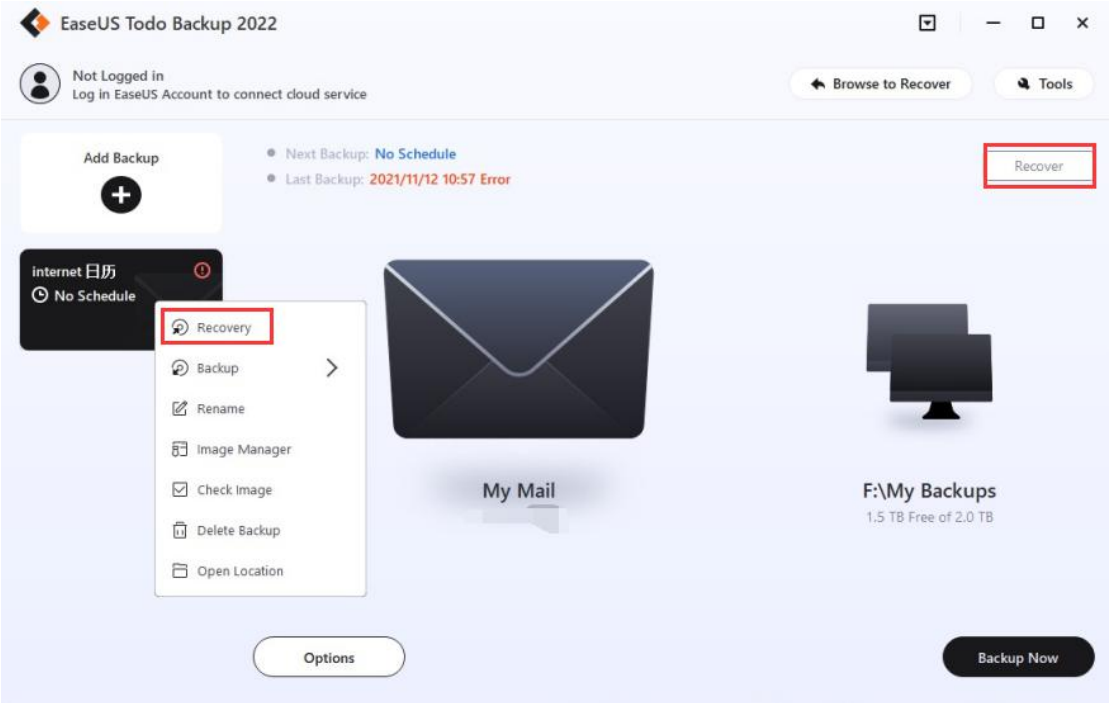


You can recover the files and folders to original or a different location.

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

Email Recovery

1. Highlight the backup task, right click and select Recover, or click Recover in the right corner.



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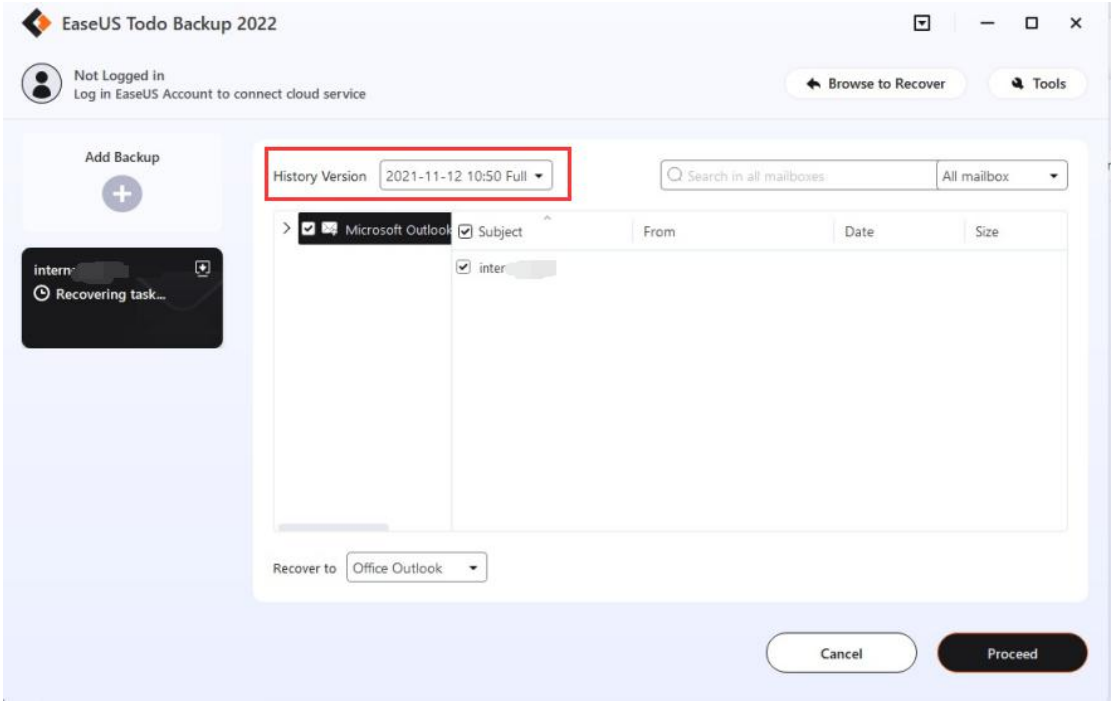
2. Choose one **History version** of backup image. Indicate the mailbox/folder/file(s) you want to recover to.



3. After confirming the contents, please select a target place and click the **Proceed** to restore.
The email backup image can also be restored to another computer, provided that the version of outlook on target computer is equal to or higher than the one where you taken the backup from.

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. **Browse to recover** option is helpful to restore the backups.

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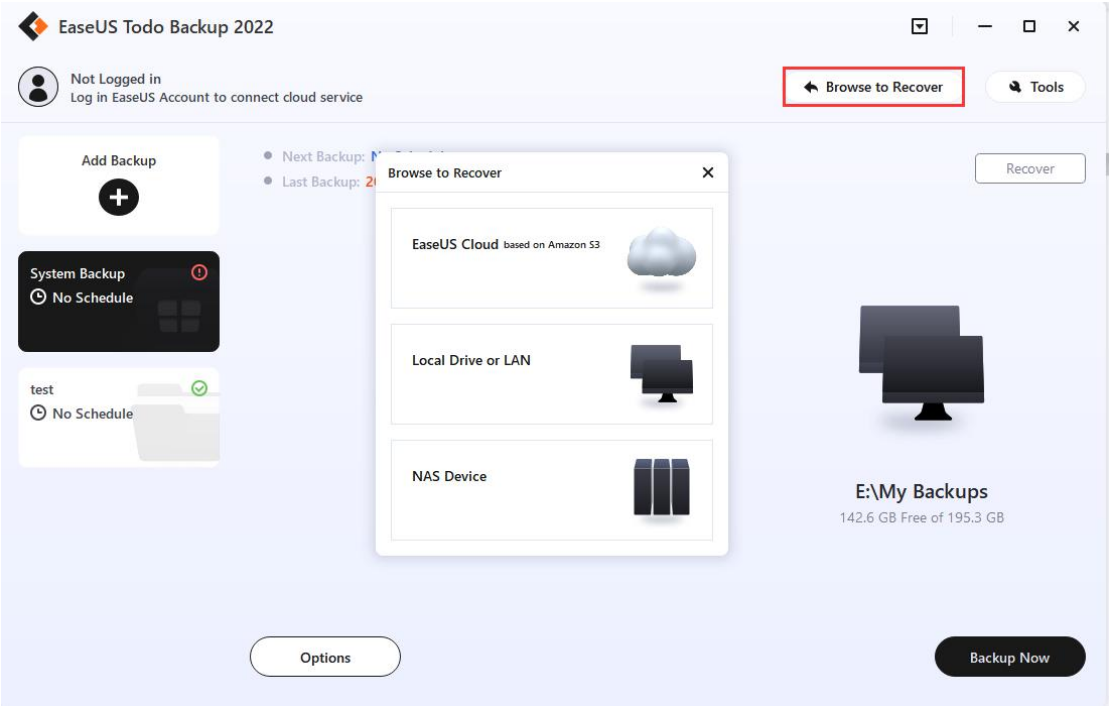
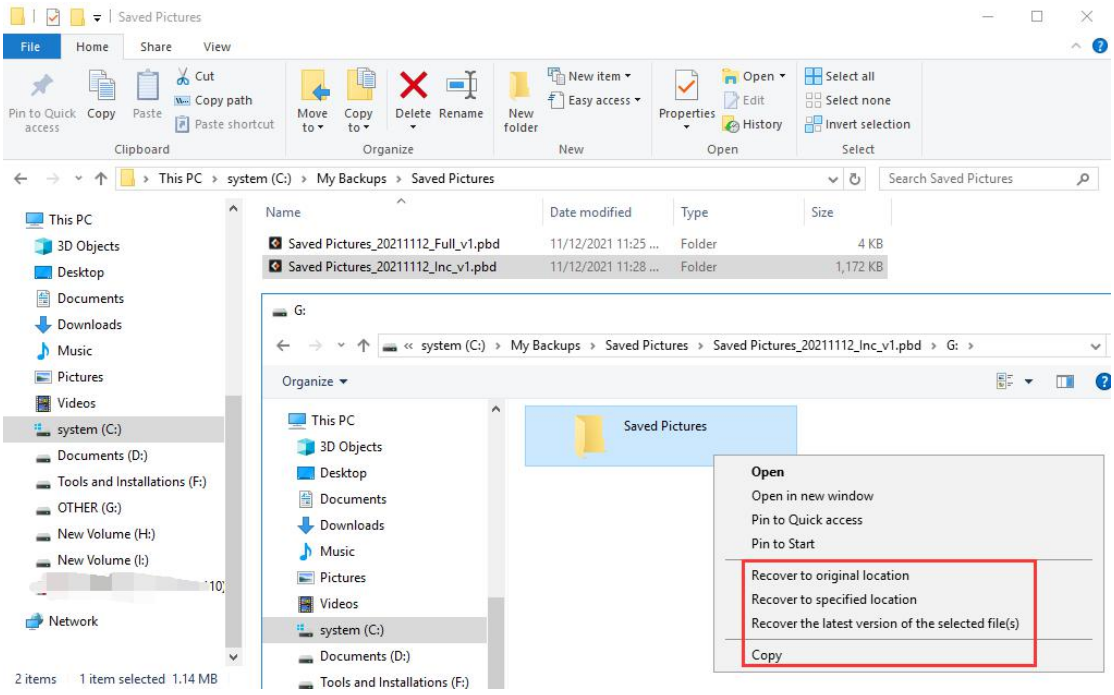


Click **Browse to Recover** in the right corner, then locate your image file manually from Local disk, LAN or EaseUS Cloud to do restoration.

Individual File Recover

EaseUS image files can be directly accessed. You can double click 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.



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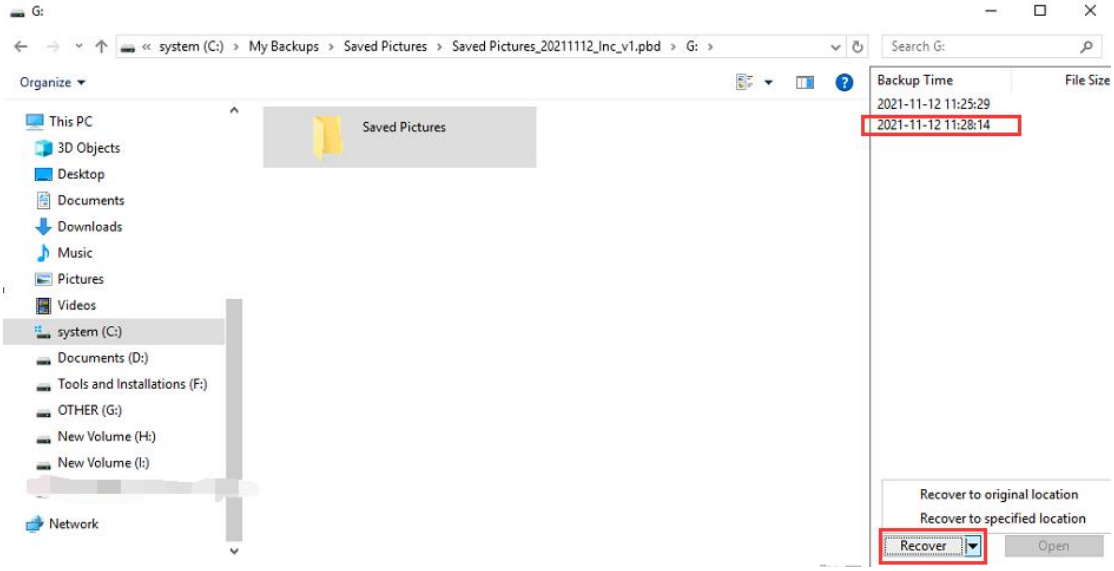
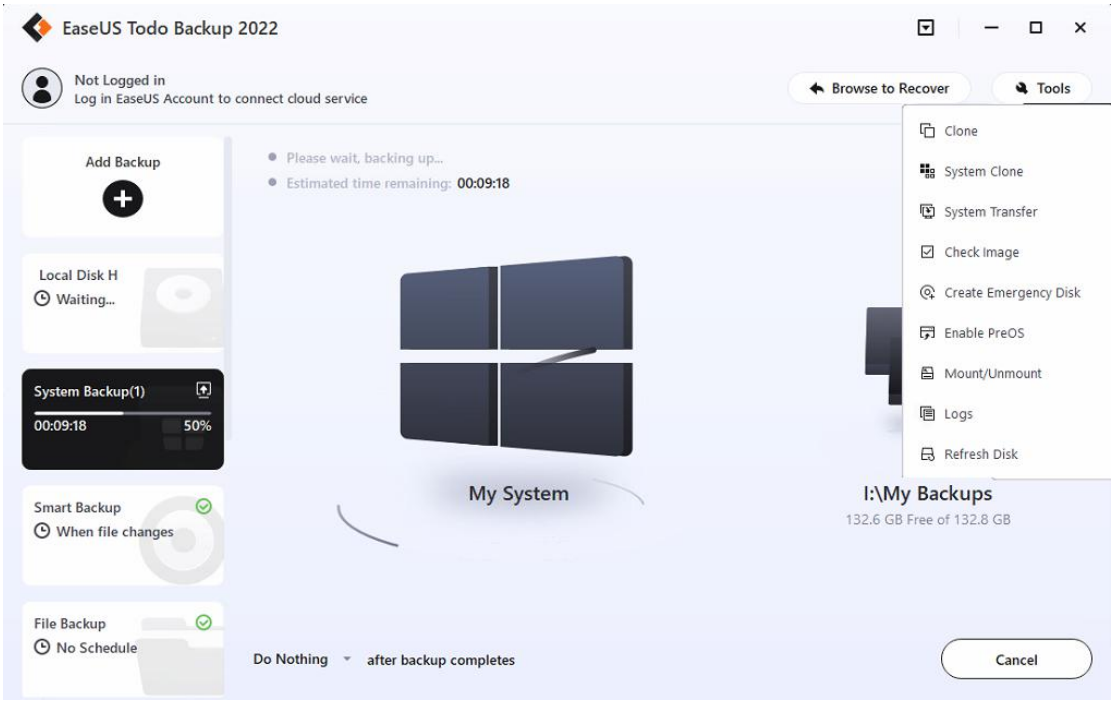
Another method is to select a version to recover according to the backup time.



Tools

There are some useful features in **Tools** menu.



Clone

Disk/Partition clone will transfer all data 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 clone, please ensure that the capacity of destination disk/partition is larger than the used space of source disk/partition.

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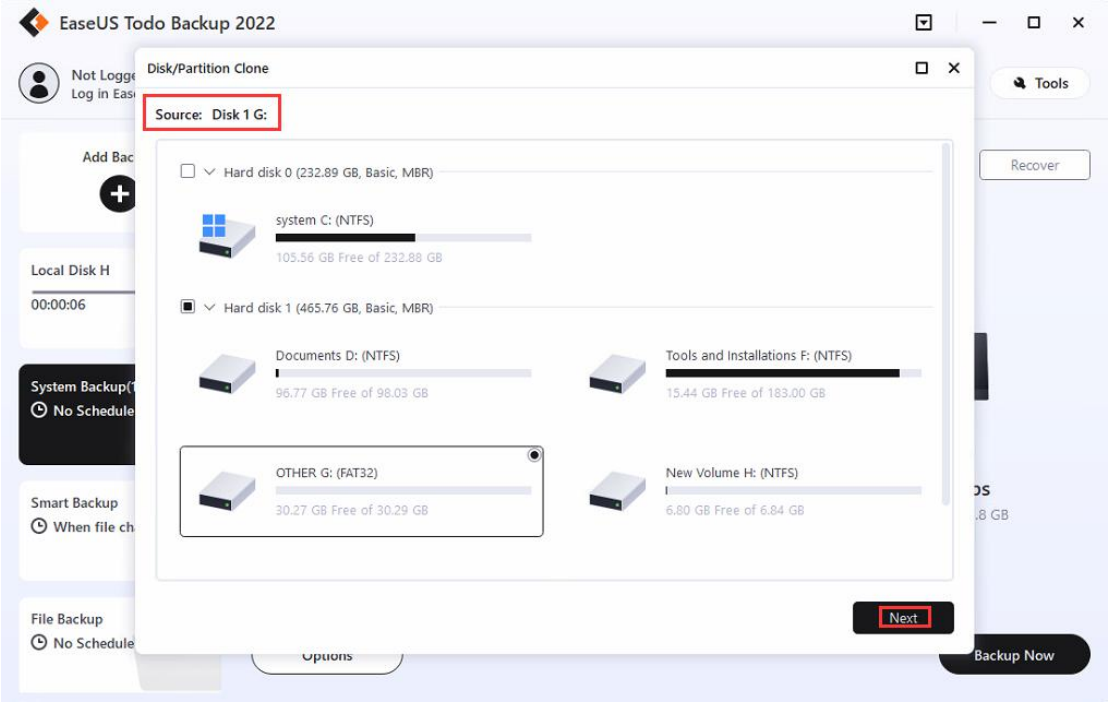
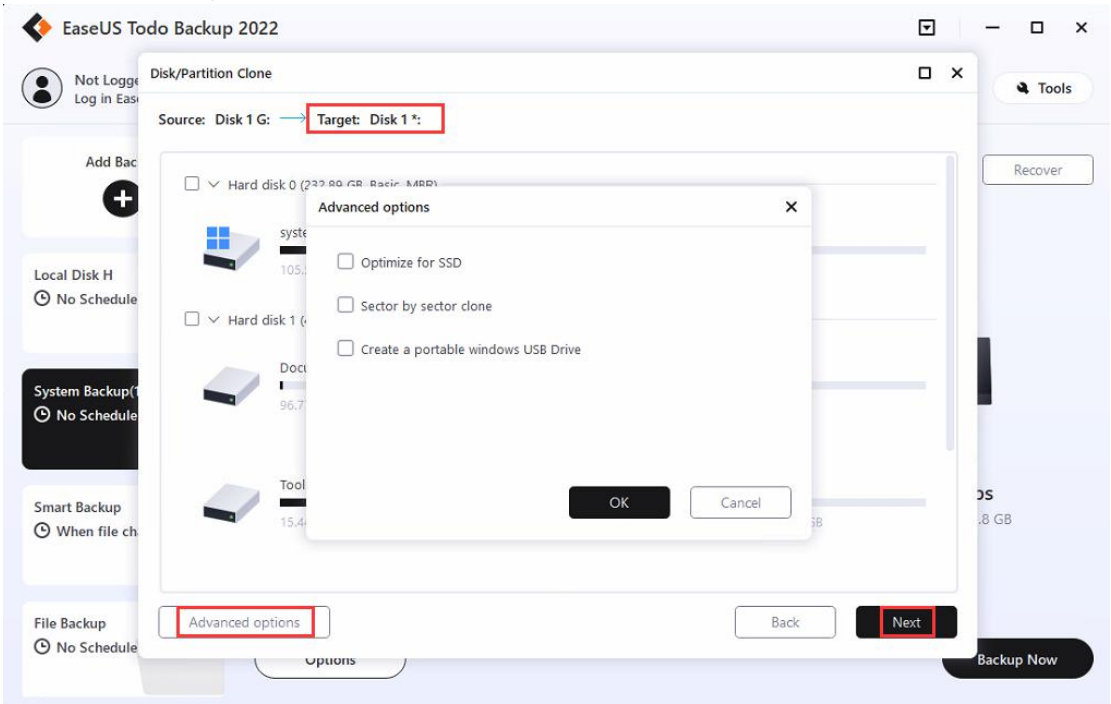
Steps:

1. Click **Tools**, and choose **Clone**.
2. Choose the source disk/partition, and click Next.



3. Select the target location and click Next.



Advanced options

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

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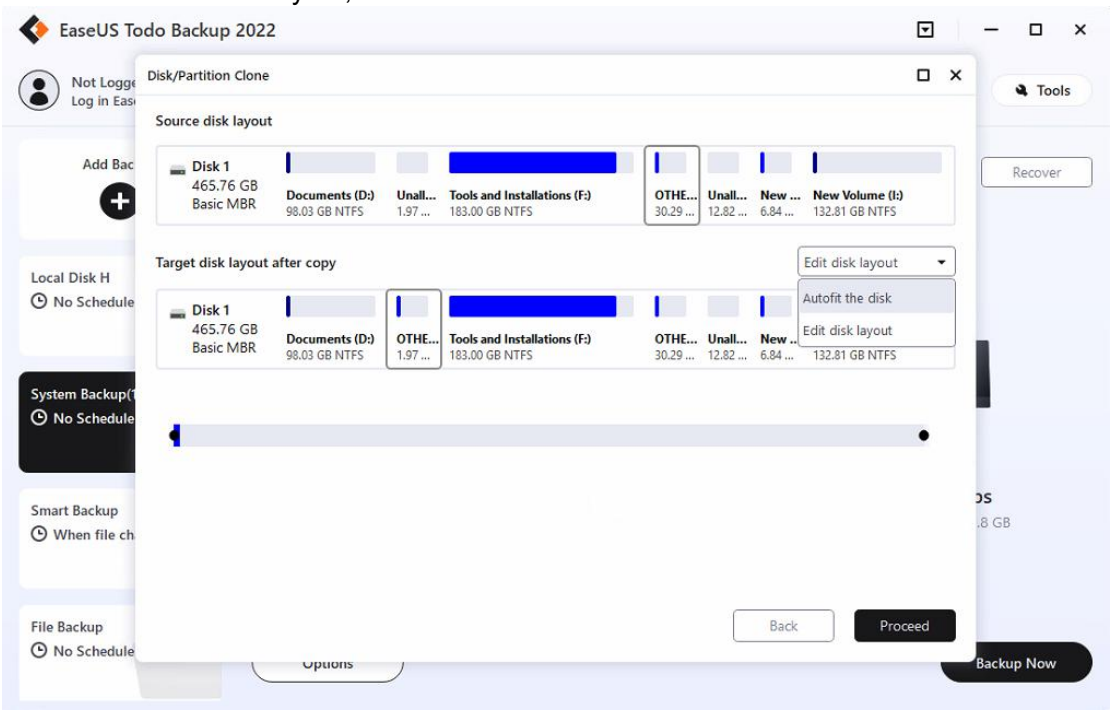
give you an exact and intact clone.

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.

Create a Portable Windows USB drive - It will appear when you want to clone the system drive. This option ensures that the cloned USB system disk is able to boot normally.

4. You can select to autofit the disk, or edit disk layout yourself. After you preview and confirm the hard disk layout, click Proceed to start the clone.



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

System Clone

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

Steps:

1. Click **Tools**, and choose **System Clone**.
2. The current system partition and boot partition will be automatically selected. Select the target drive in the disk list and click Next.

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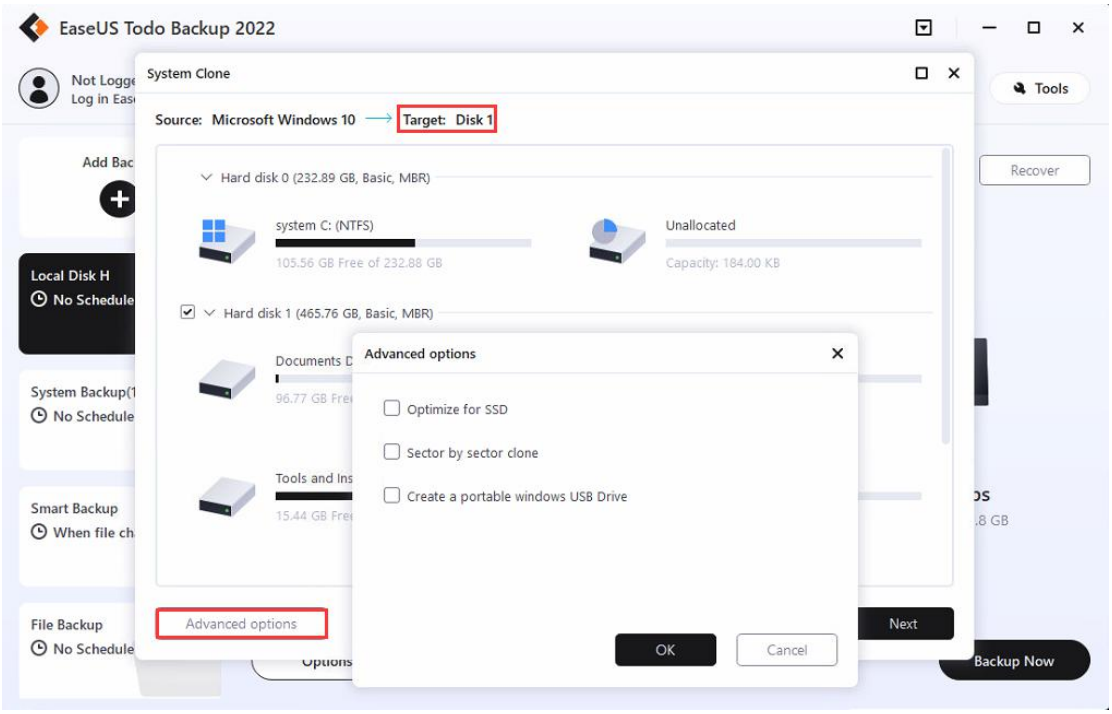

Advanced options
These advanced settings can help you clone a drive more stably and smoothly in some special case. However, without these advanced settings, EaseUS Todo backup can still give you an exact and intact clone.

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.

Create a Portable Windows USB drive - It will appear when you want to clone the system drive. This option ensures that the cloned USB system disk is able to boot normally.

3. If the unallocated space on the target disk is not large enough, the error message will pop up, asking you whether you want to delete the following partitions. Click Continue to confirm the deletion.

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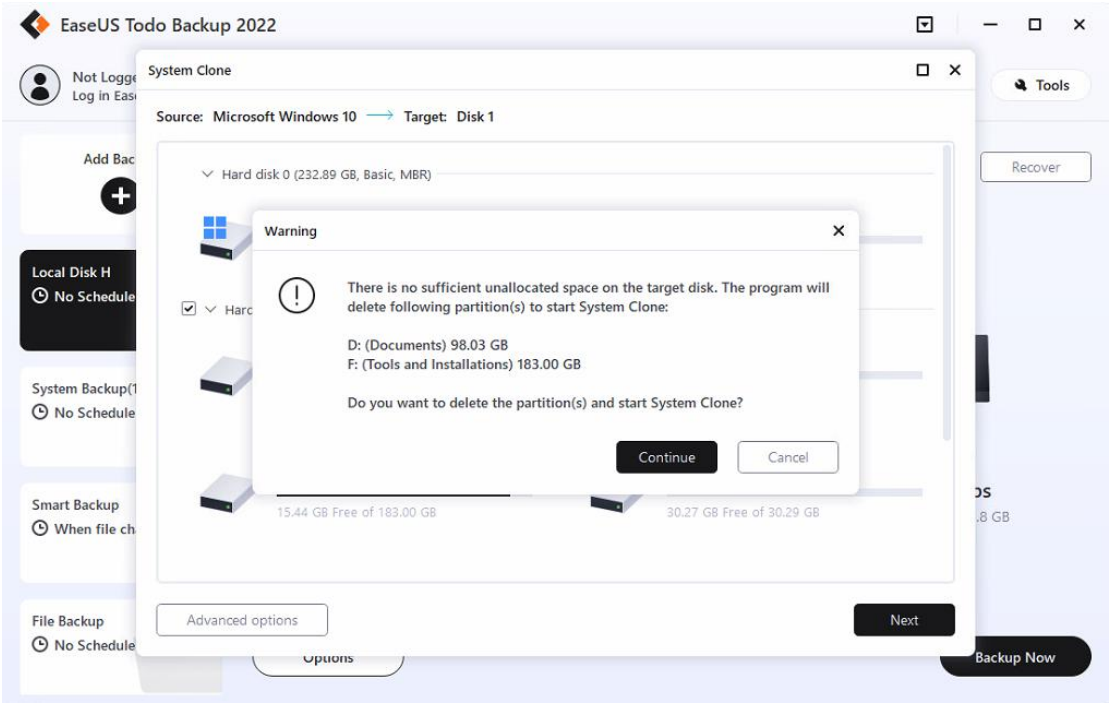
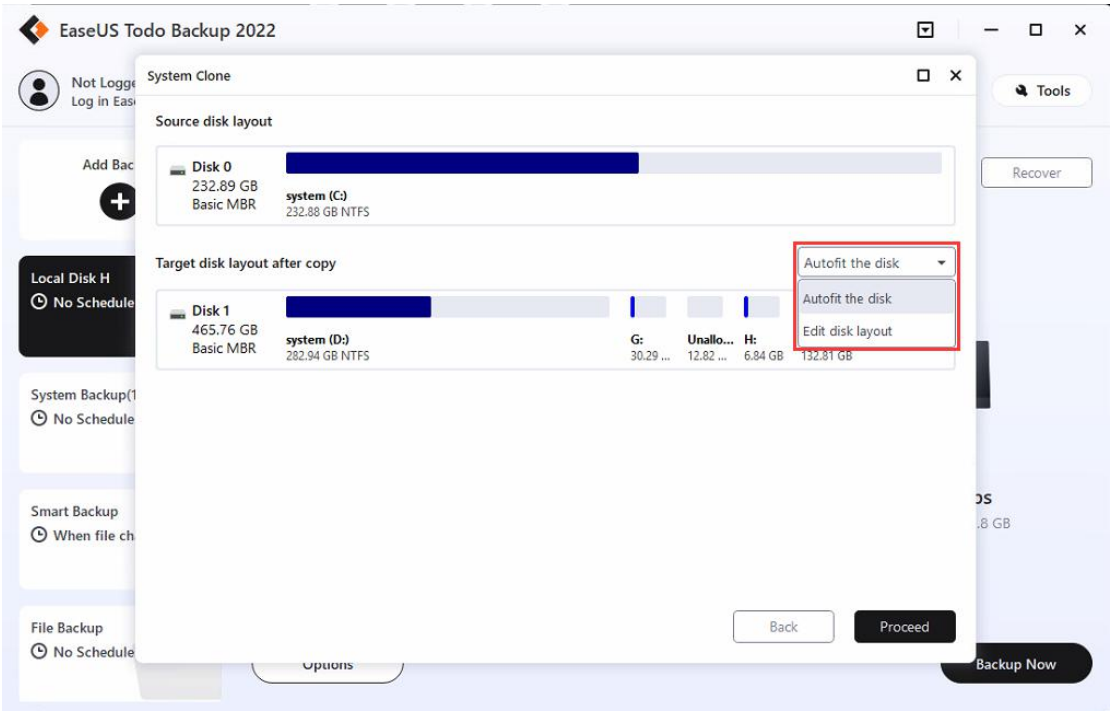


4. For the target disk layout, you can select to autofit the disk, or edit disk layout yourself. After you preview and confirm the hard disk layout, click Proceed to start the clone.



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.

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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.

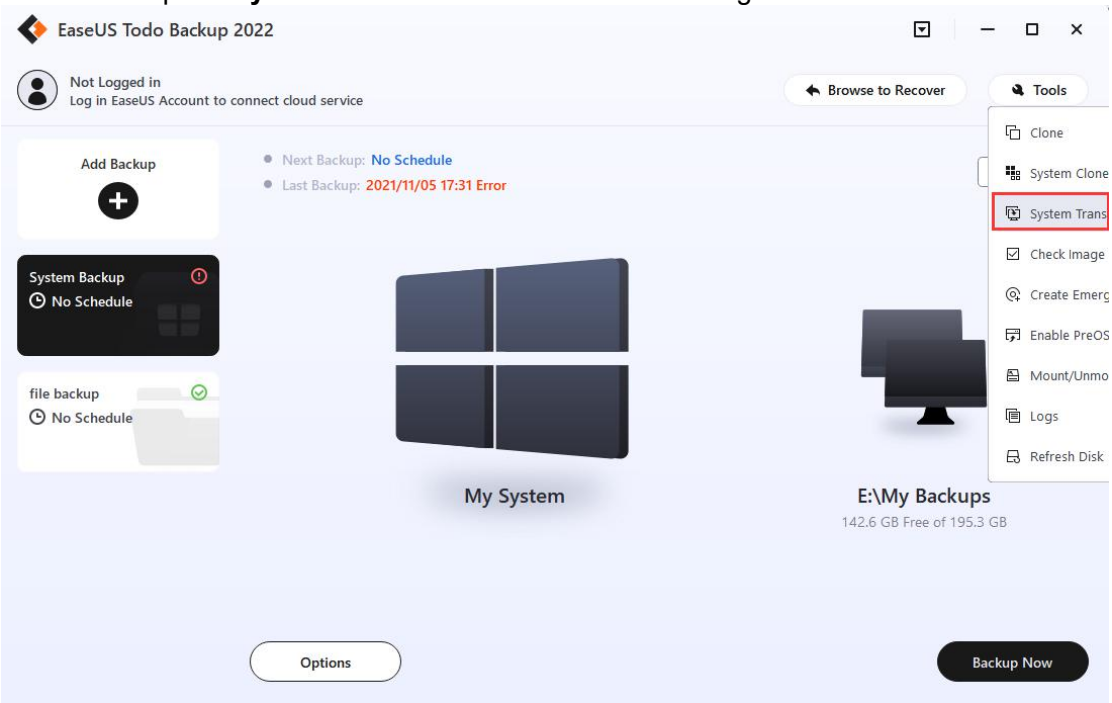
Essential preparations before the recovery include:

1. A valid system image file created with System backup or Disk/partition backup option.
2. A proper WinPE emeregncy disk/USB which can be loaded on target machine correctly.
3. The inf driver file of the new hardware on target machine.

Note:
System Transfer is only available for Home and higher editions.
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 the 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 **Tools** menu in the right corner.



3. Browse and load the system image file, click OK.

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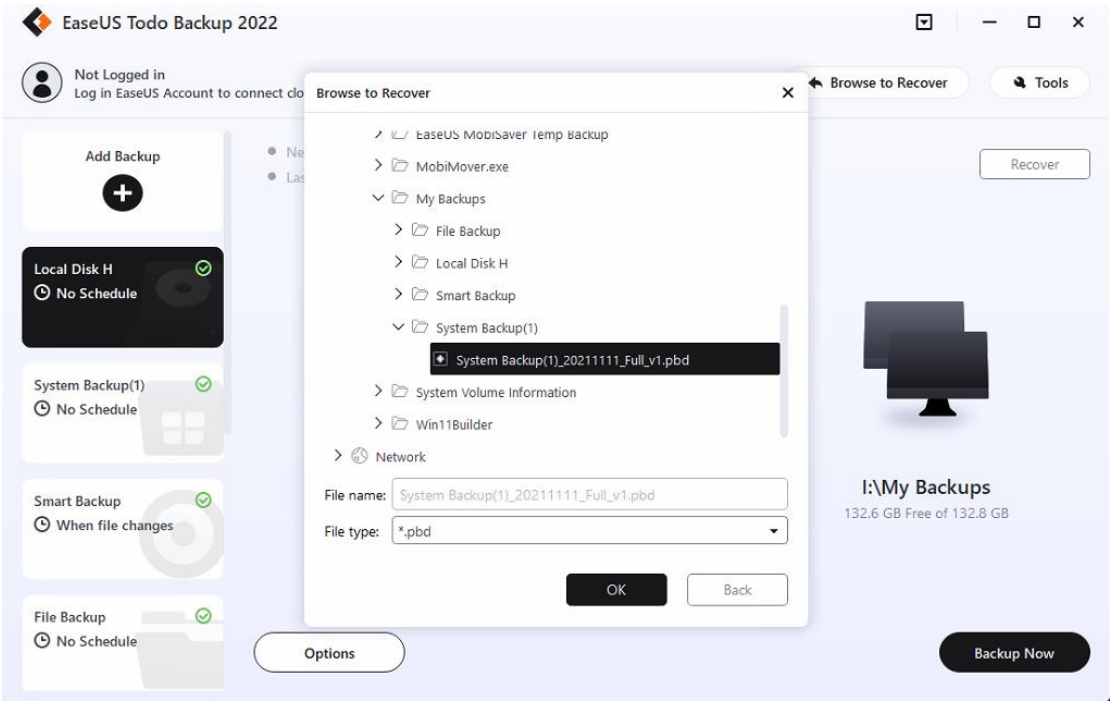
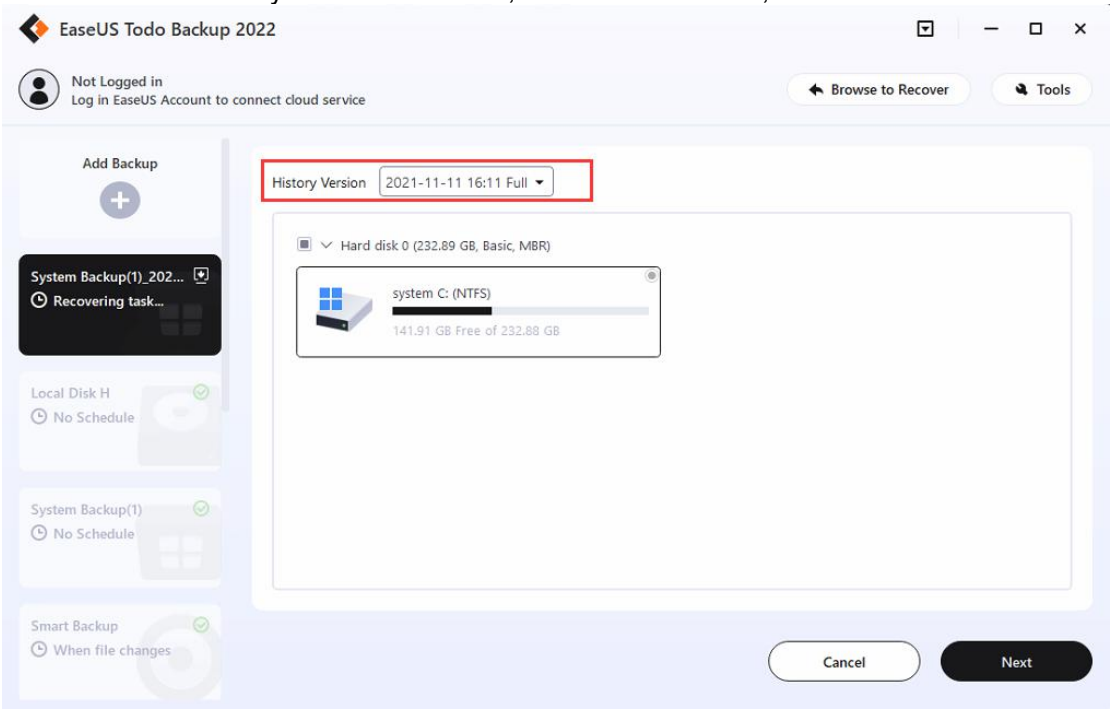


4. Select the version you want to restore, confirm the content, and click Next.



5. Select the target drive, and restore.

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.

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

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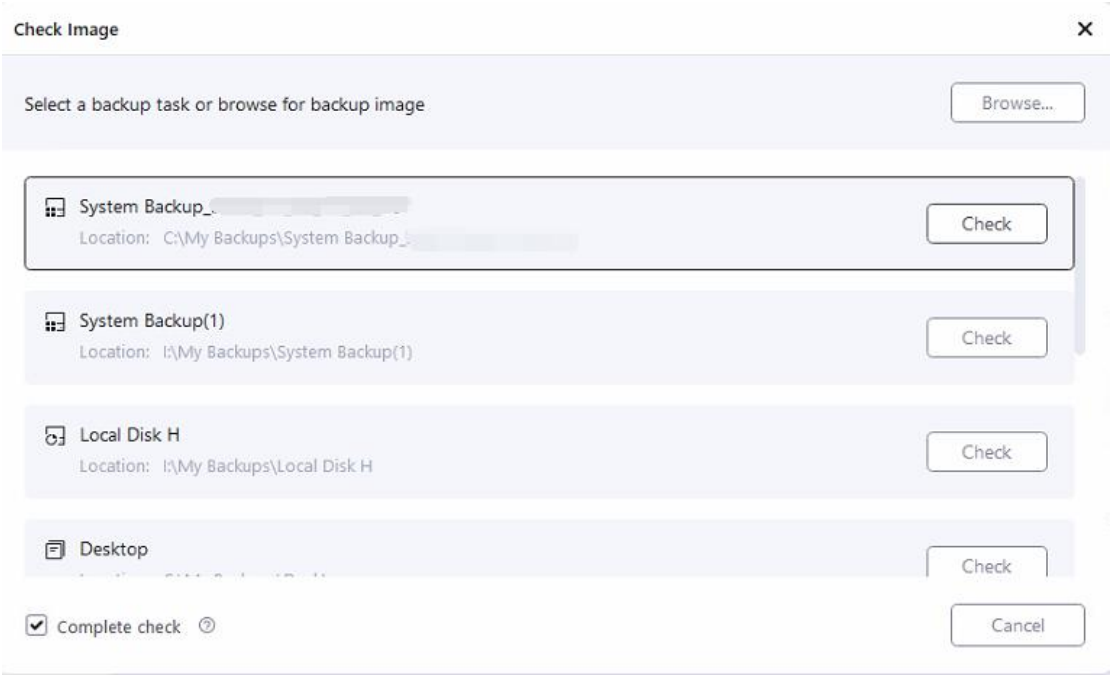
be installed in order to make the drives available. For more info, you can read:
What to do if the drive cannot be listed by default.

Check Image

Check image can verify the validity of an image file. If our product finds errors during checking process, 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.



***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.

Steps

1. Click **Tools->- Create Emergency Disk**.
2. In this step, you can choose the ISO, USB flash drive or CD/DVD as boot disk location.

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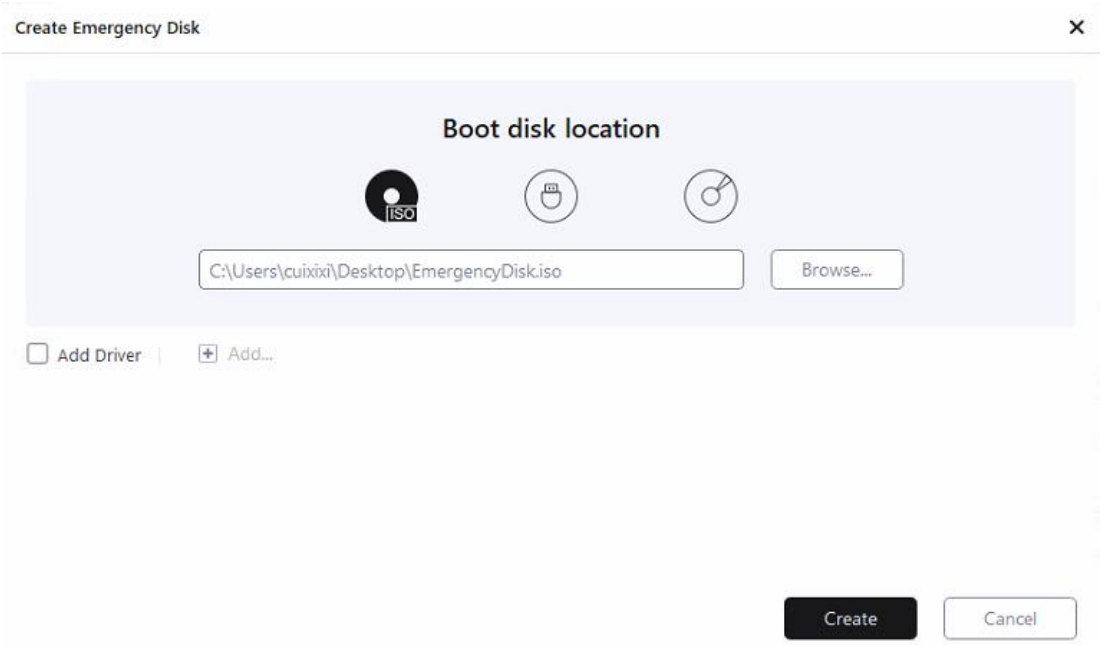

3. Check the **Add Driver** option then click the **Add** to add desired driver for your WinPE bootable disk. You are suggested to add disk, RAID and network card driver to avoid Todo backup have a trouble to recognize your hard disk or network drive in WinPE environment.

Note:
To learn more information between WinPE emergency disk, please click here.

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.

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

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 image is valid or not.

Steps

1. Click **Tools->-Mount/Unmount**, all available backups will be listed.

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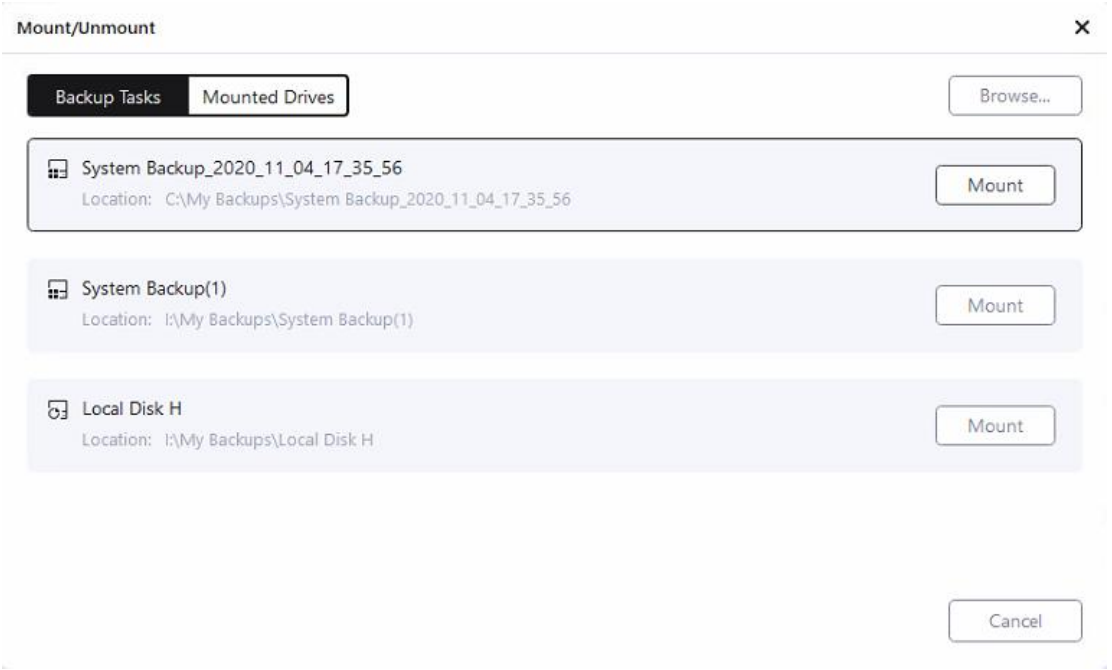
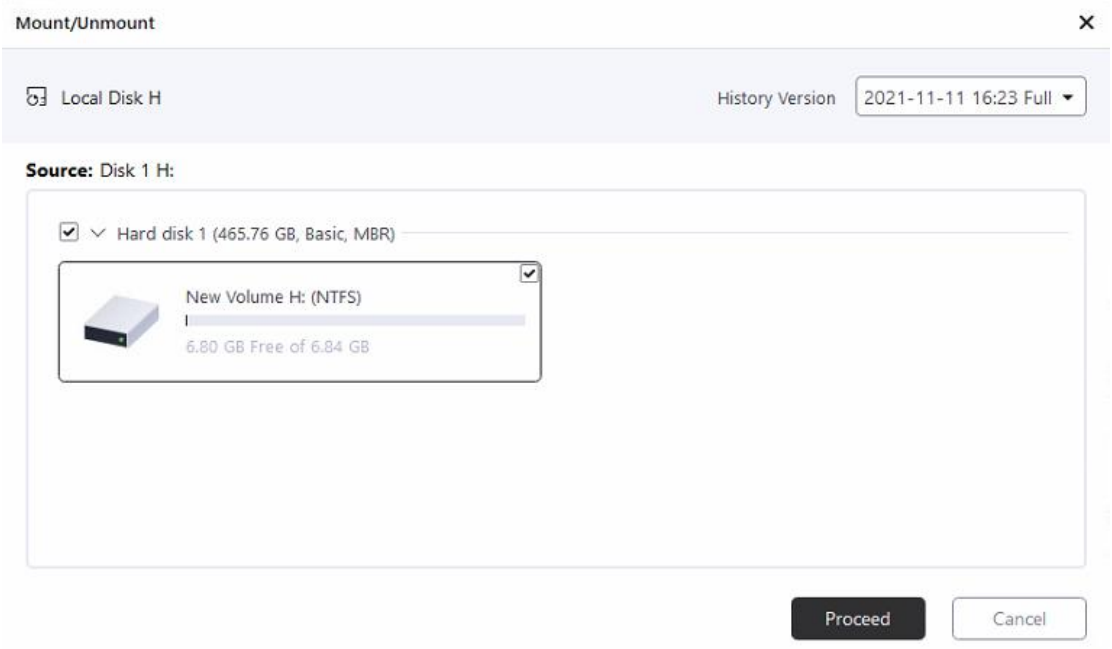


2. Select one backup and click Mount.
3. Select the Source and click Proceed to start the mount operation.



4. If you need to unmount the image, please click Mounted Drives.

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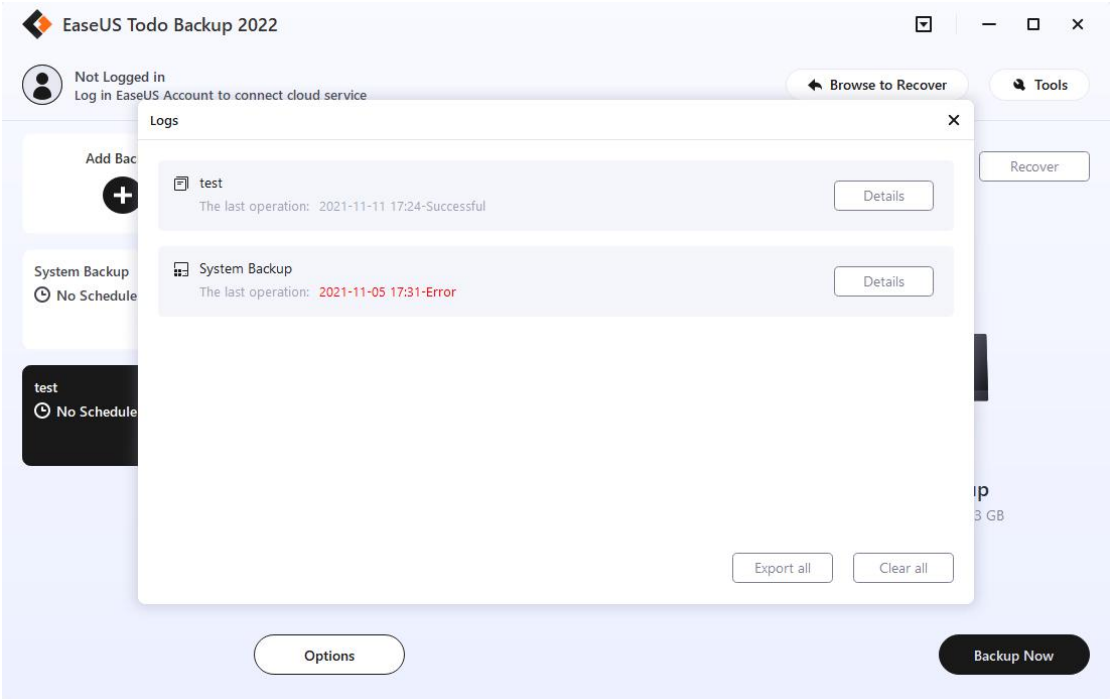
Tips:
Disk/Volume backup *and* ***System backup*** *image are supported only.*
A password is necessary for encrypted backup image.
To fully access mounted virtual partition, please make sure the image is created and mounted in same Windows account.
Mounted drive will automatically disappear after computer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

Logs

All the backup operations and statuses are recorded in Logs.



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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.

Note:
Failed operations are marked in red.

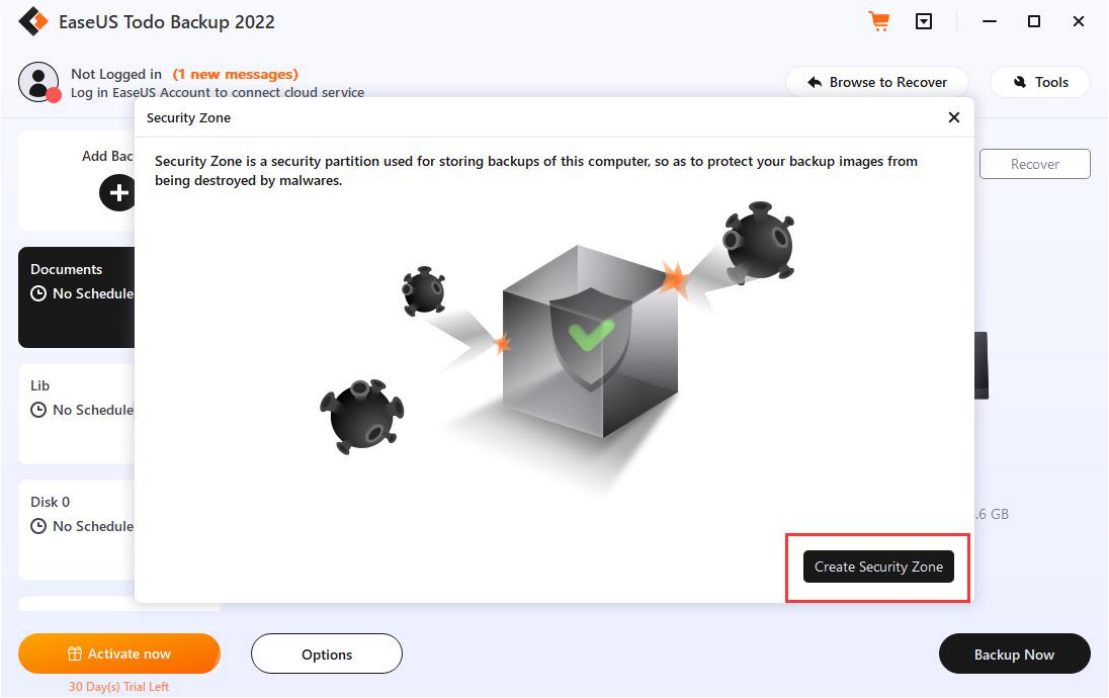
Refresh Disk

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.

Security Zone

Security Zone is a secret partition used to safely store your backup image files. The security partition cannot be explored or modified on Windows once created, and it is able to protect your backup files from being destroyed either by malware or faulty operation.

Go to **Tools**=>**Security Zone**. Click **Create Security Zone** to start creating the security partition. Note that only one security partition can be created on one computer.



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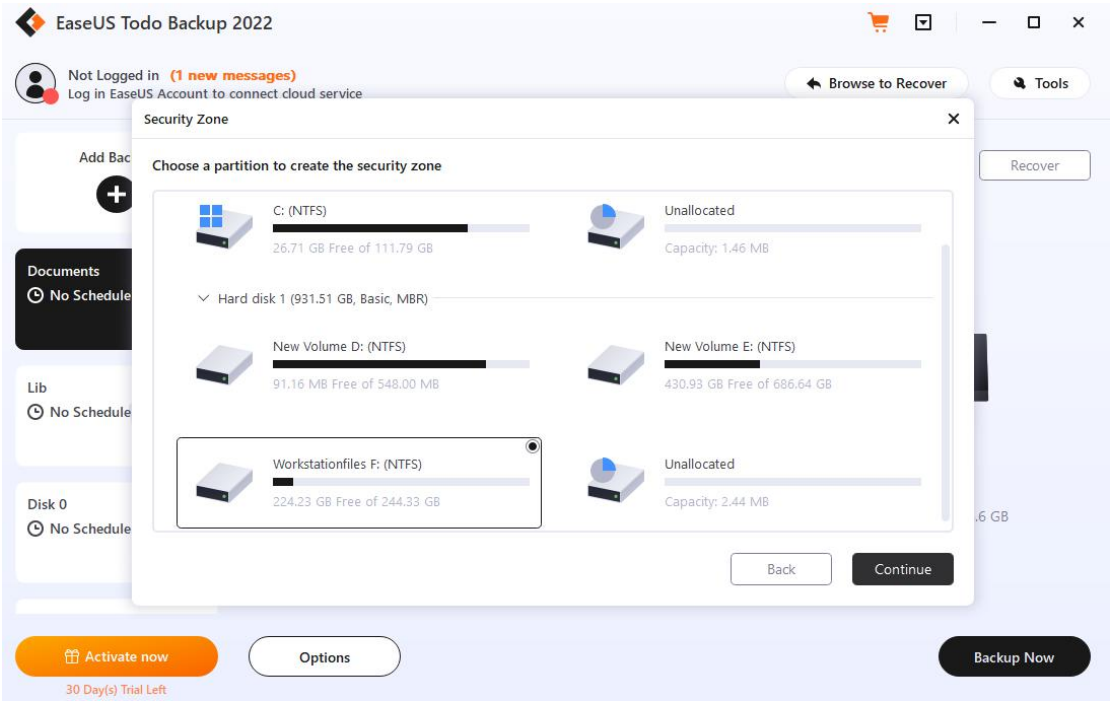
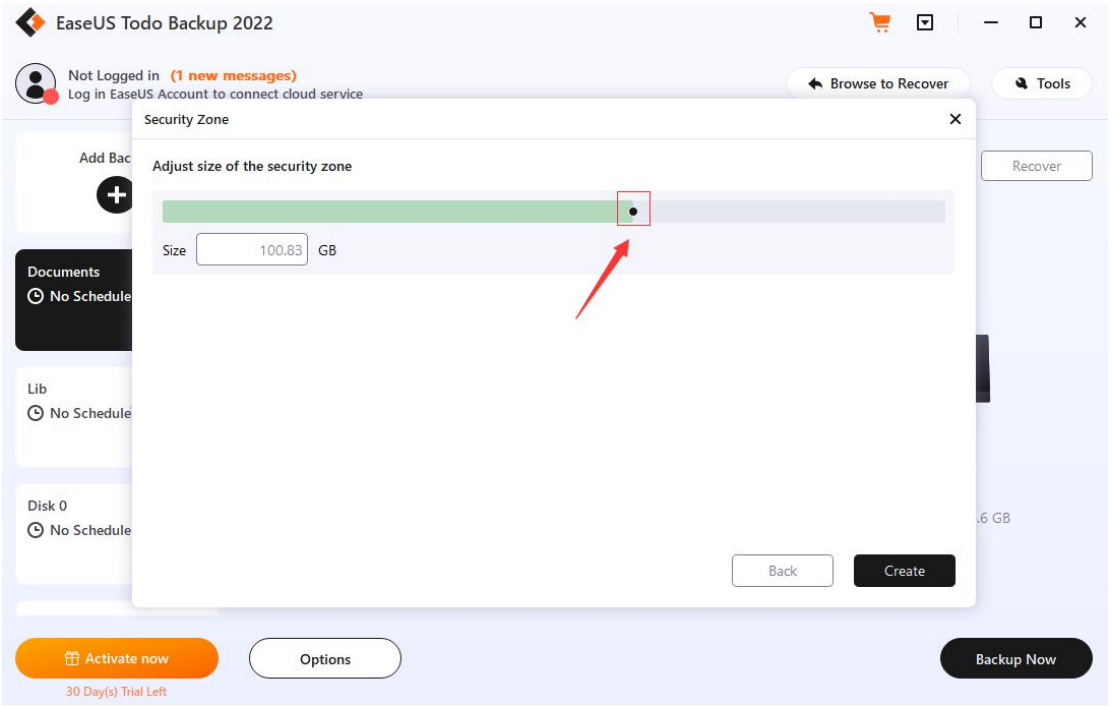
Select the partition with enough space to store your backup files, and adjust the size of the security zone based to your requirement.





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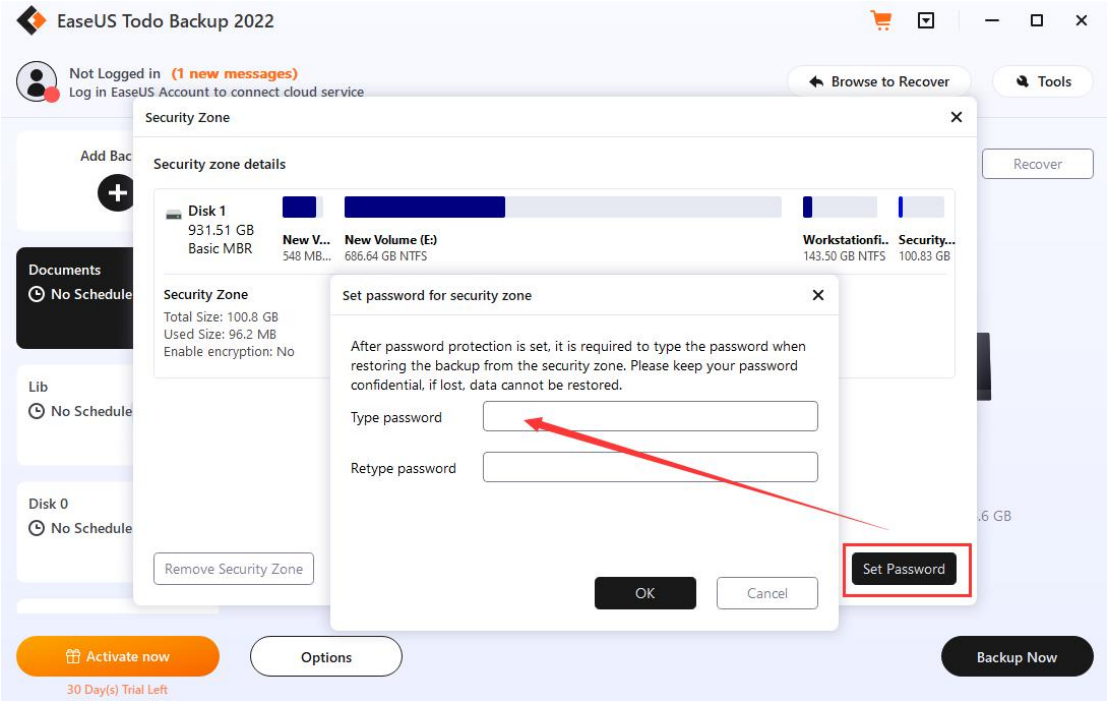
EaseUS Todo Backup will use the space you assign to create a security partition. This partition does not have drive letter, and it cannot be viewed or opened in Windows Explorer.

Click **Set Password** to create a password for the security partition. This password will be used when you remove the security zone.



Once the security partition is created, you can also:

1. **Modify password** for the partition.
2. **Remove the security zone.**

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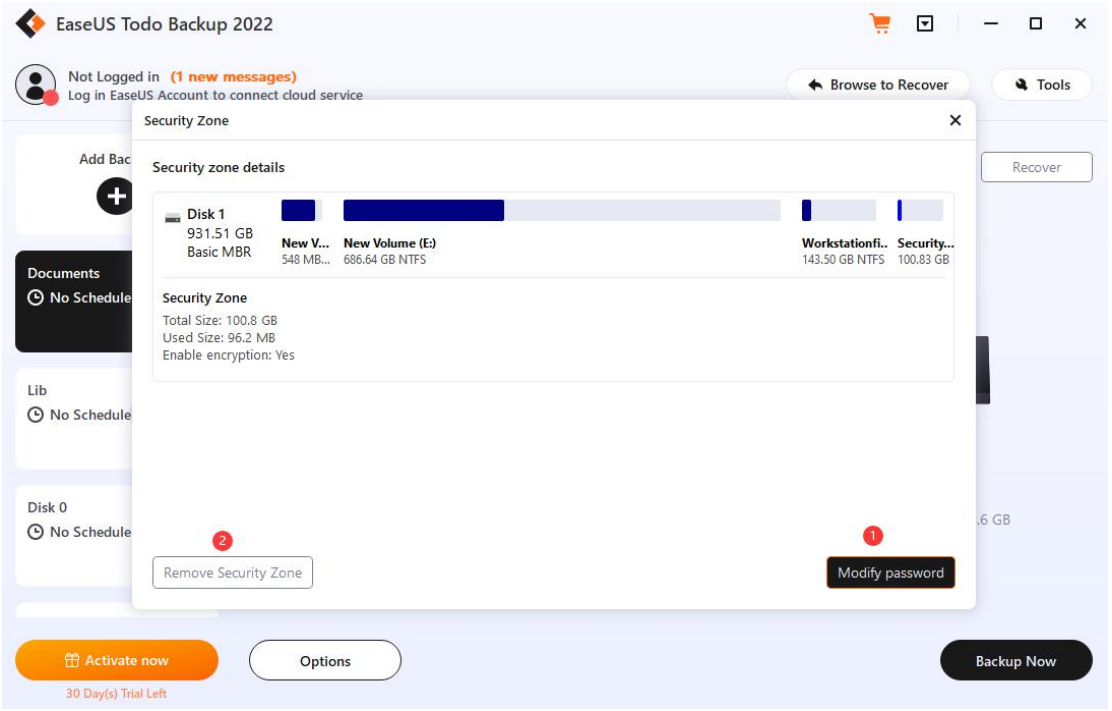

When you set the destination for your backup task, if you have a security partition, you can find and select it from the list.

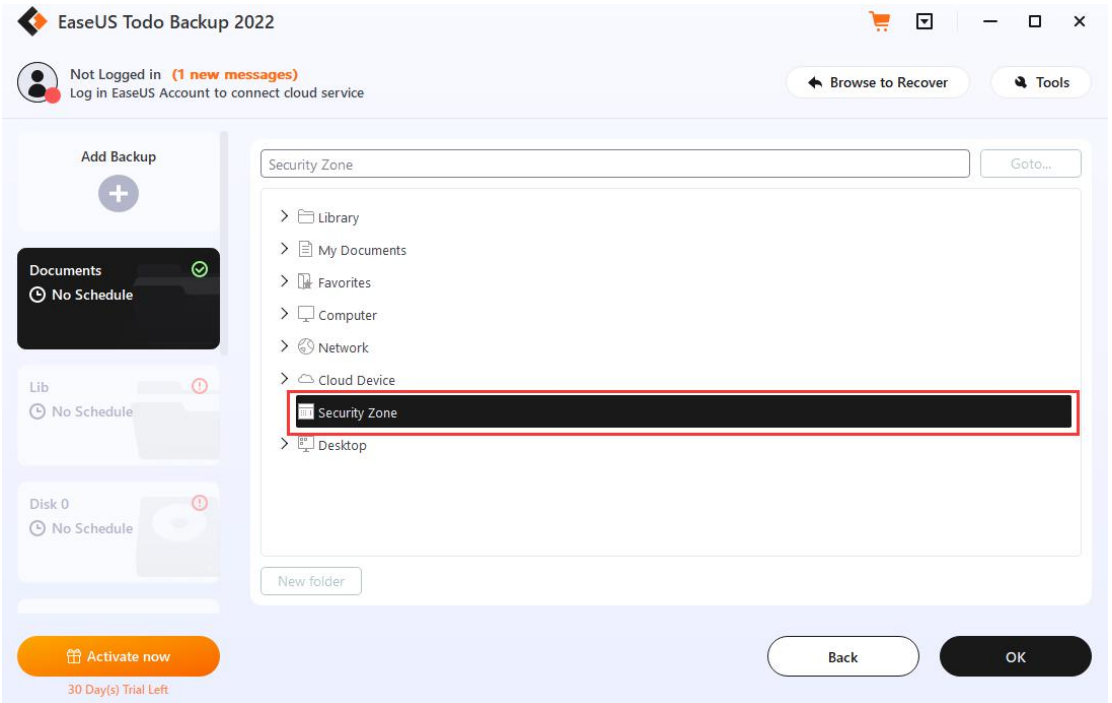

Image Tool

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.

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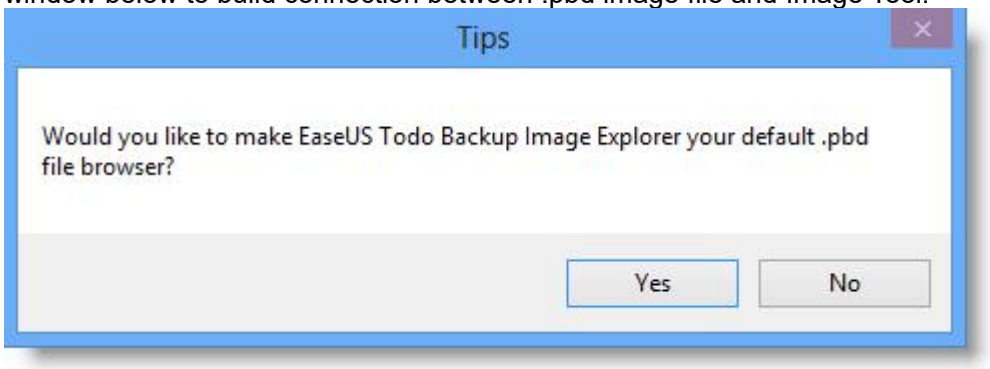
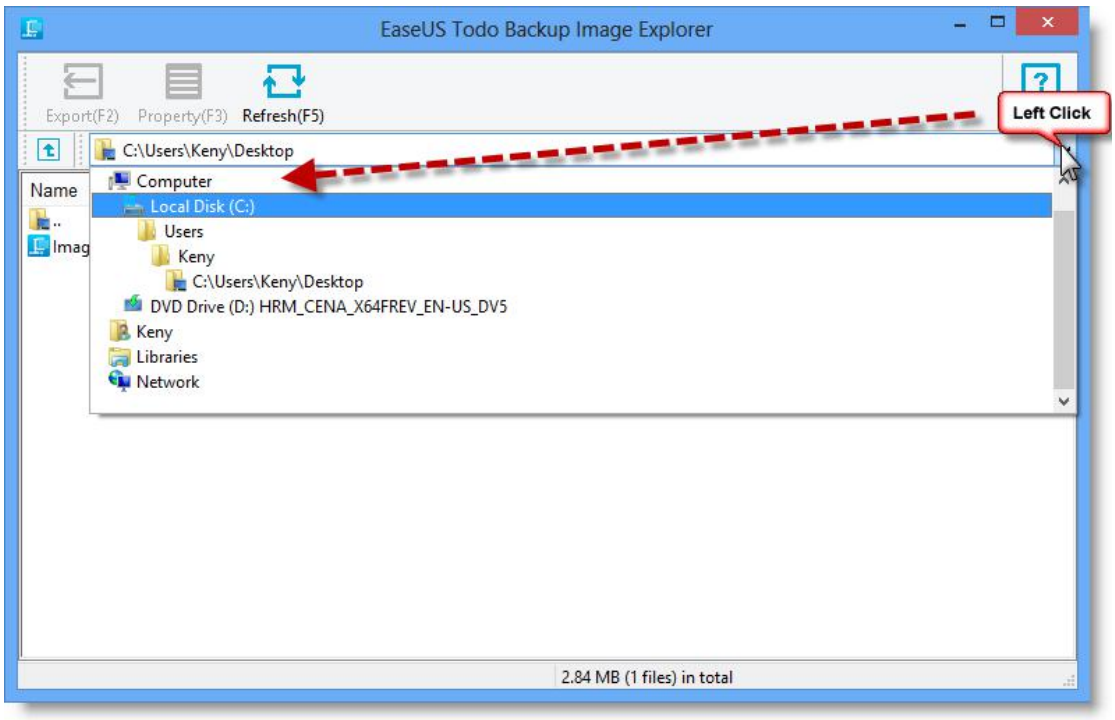
How to Use

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

1. Download 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.



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



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

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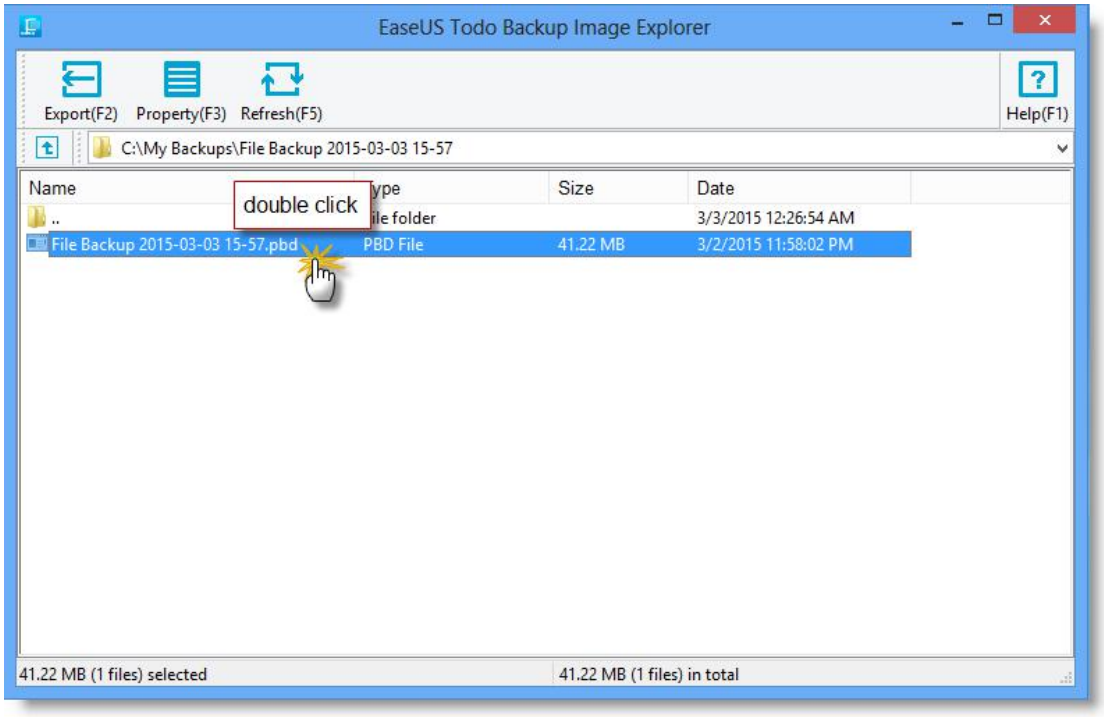
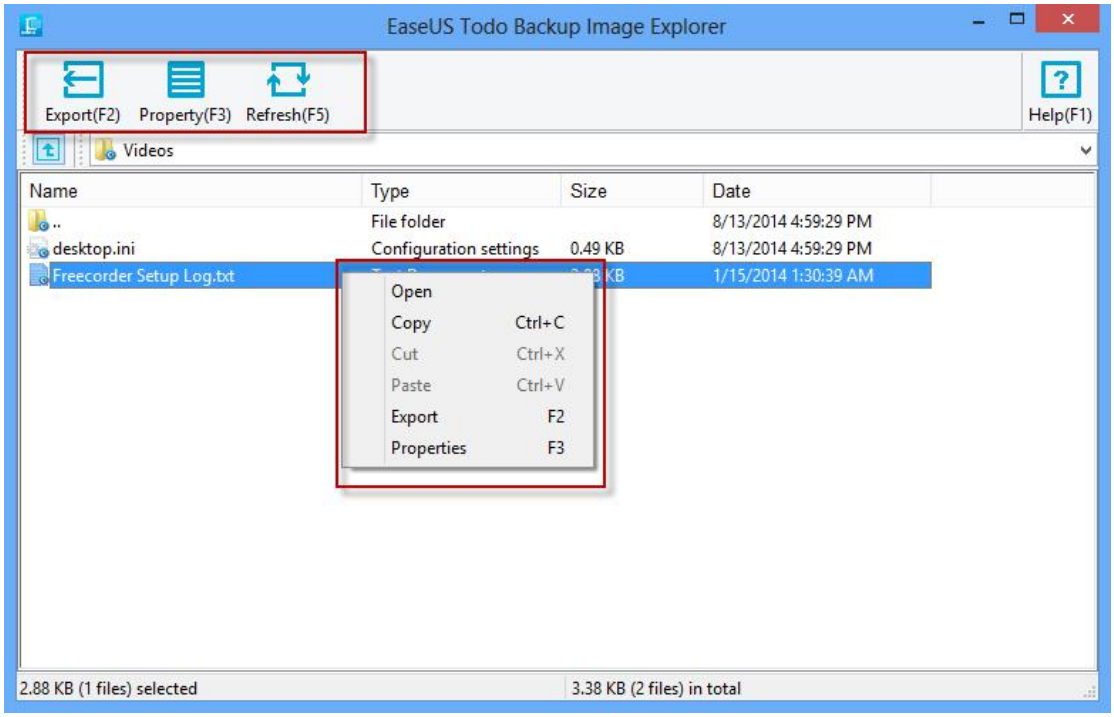


4. All files and folders belong to .pbd image file are marked with EaseUS logo.



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.

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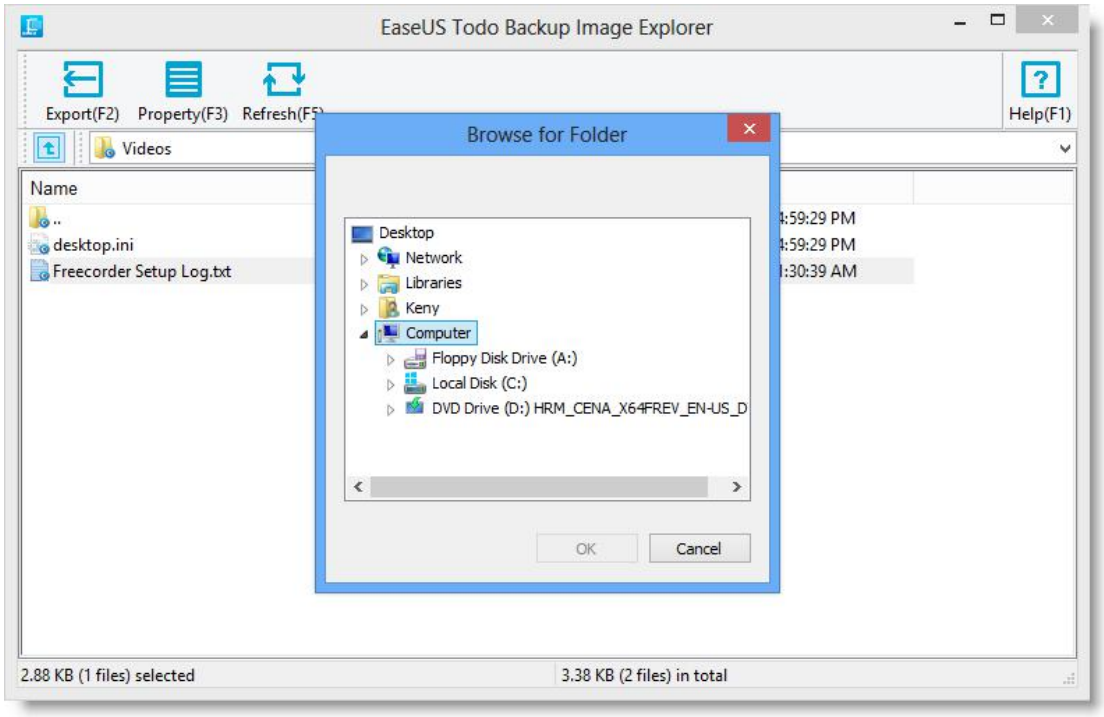

Tips:

An additional copy of Image Tool is automatically created in "C:\Program Files\EASEUS\". To completely uninstall Image Tool, please manually delete it after uninstallation.

Basic Settings

There is a drop-down menu at the top right corner, click it to find **Settings** in the menu.

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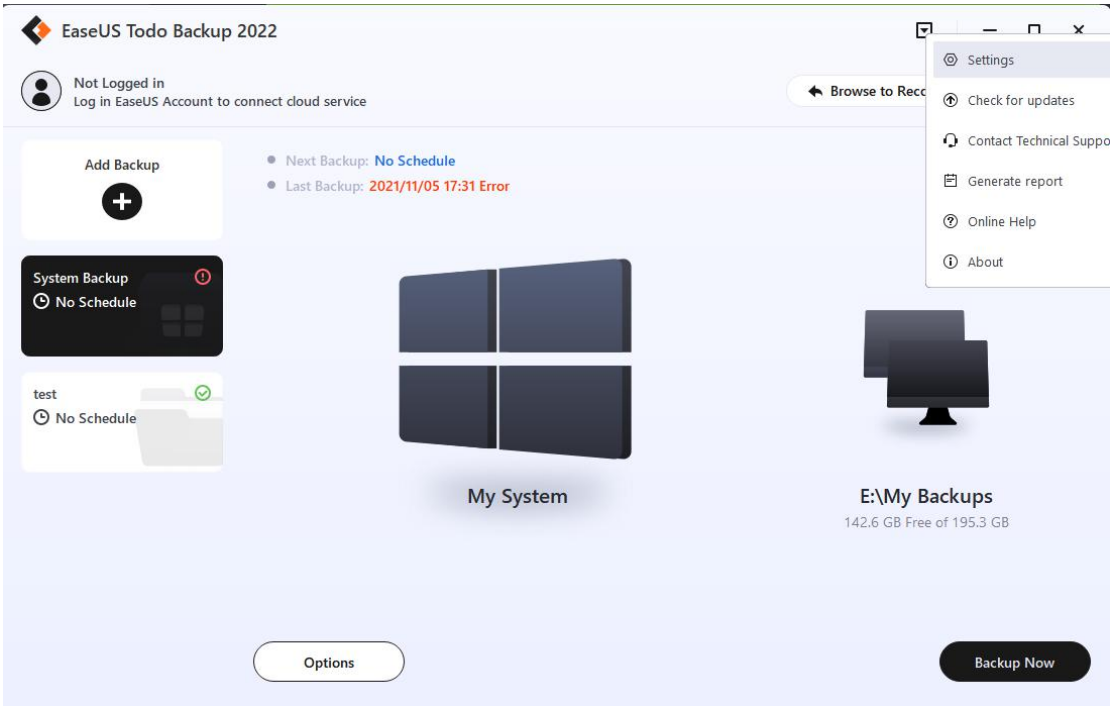
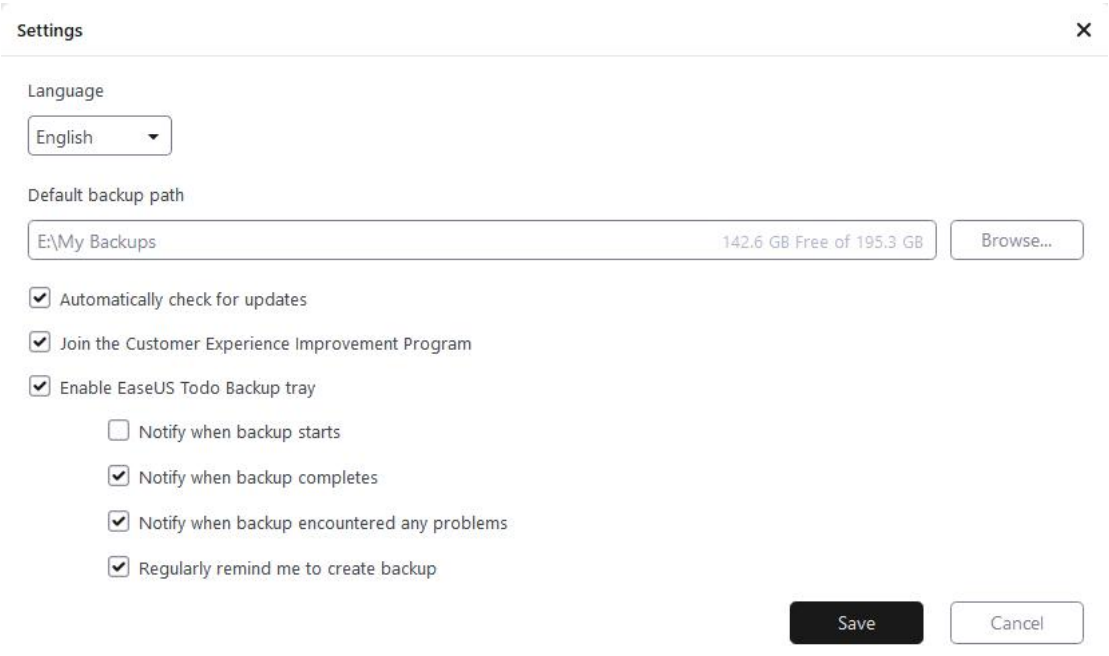


Clicking **Settings** will bring you the following configuration panel. You can switch among German, English, Spanish, French, Italian, Japanese and Others in **Language** box, or edit/modify **Default backup path**.



Automatically check for updates - uncheck it if you are satisfied with the current version and do not want to upgrade.
Join the Customer Experience Improvement Program - help us improve our product better with the info from your daily operations with our product.
Enable EaseUS Todo Backup Tray - You can easily check the backup status, run backup, edit backup task or launch EaseUS Todo Backup from the tray.

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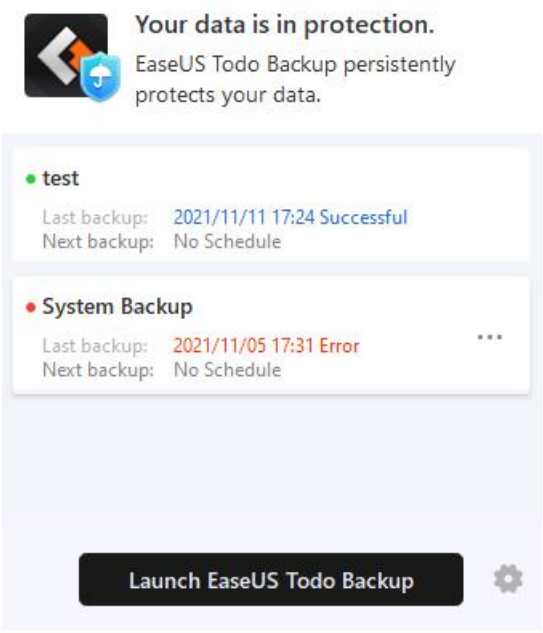
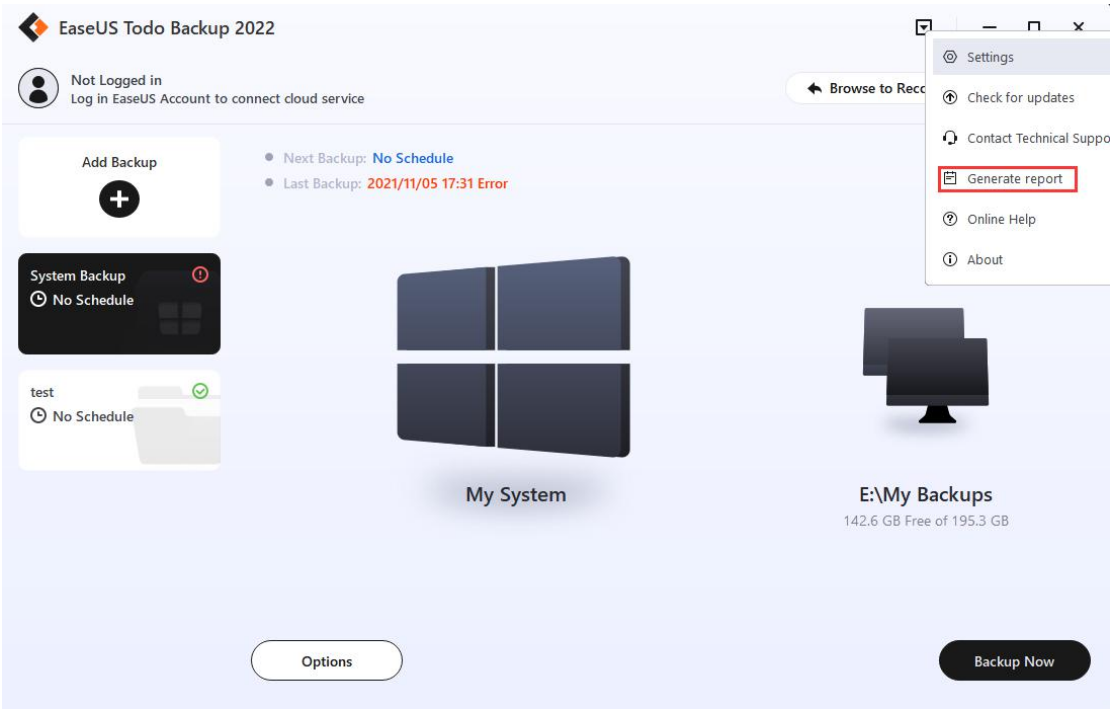


Support

If you cannot find what you are looking for in this help, we encourage you to visit our Knowledge Base 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 take a screenshot of the issue then sent them to **techsupport@easeus.com**, so we can assist you more efficiently.



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