O&O software

O&O DiskRecovery 12



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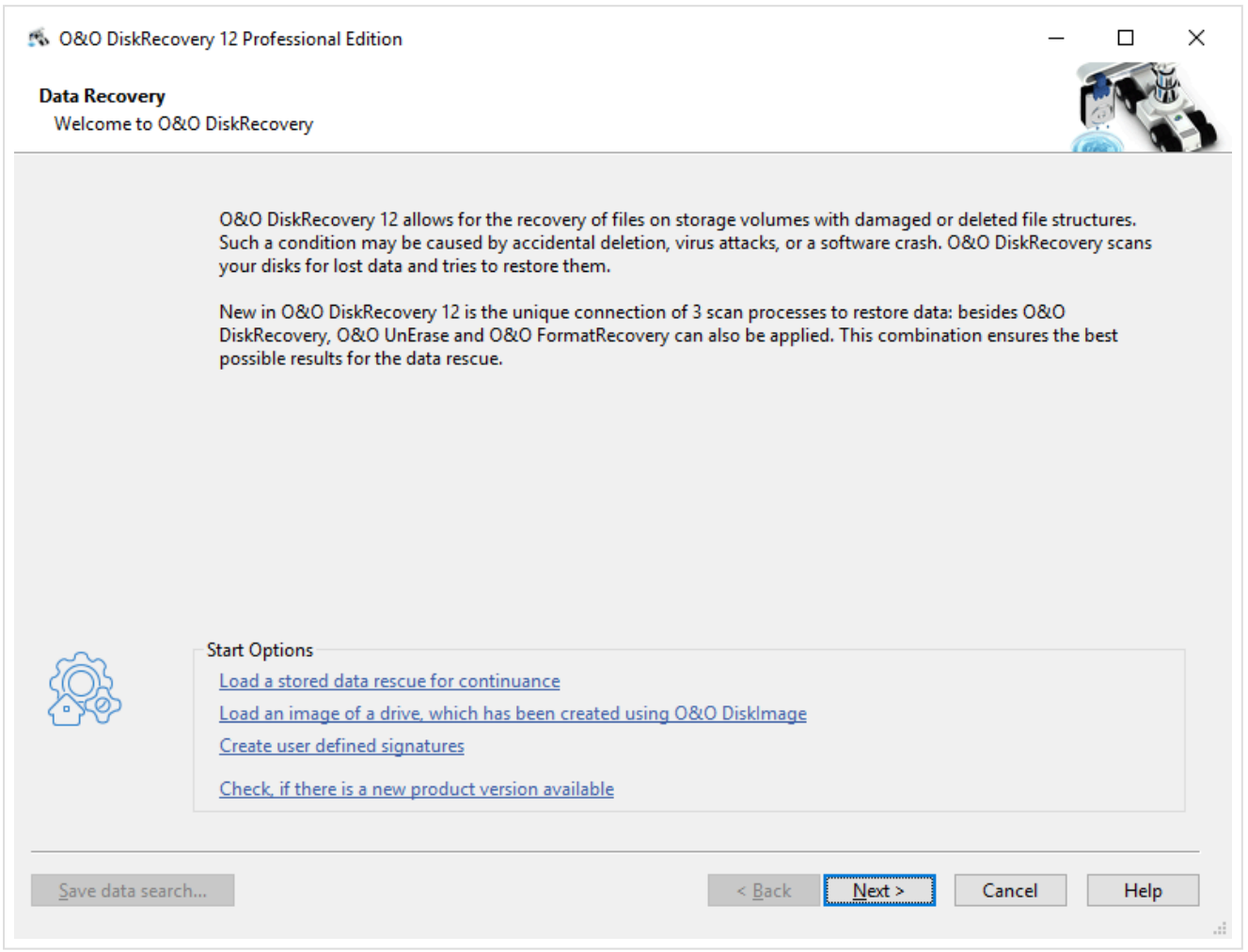
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Introduction

O&O DiskRecovery 12 recovers files that were deleted by mistake, removed by a virus or lost when a drive was formatted. Its search methods find files through the file system or by their signature, show the files found with their recovery chances and save them to another drive, so that nothing overwrites the lost data.



Earlier Version

This is the manual of O&O DiskRecovery 12. It is no longer updated. The manual of the current version is available at manuals.oo-software.com/oodiskrecovery/.

Where to start

You want to	Start here
Get to know the program and its editions	About O&O DiskRecovery 12 and Features at a glance
Know what to do right after data was lost	Important information on data recovery
Recover data without installing the program on the affected computer	Start O&O DiskRecovery without installation
Recover files in a few steps	Quick Start
Choose the right search method	Select the search method
Save the files found	Save files
Get help	Support and more from O&O

Licensing

O&O DiskRecovery is commercial software. You can try it during the trial period; continued use requires a valid license.

About O&O DiskRecovery 12

Thank you for choosing O&O DiskRecovery!

It's happened to the best of us: with the blink of an eye important files can be deleted and presumed lost forever. Whether the result of a computer virus, a software error, or user error, this can be devastating. Important documents and business data aside, in the age of digital photography the loss of a captured moment can be irreplaceable.

When such a disaster strikes, what can be done? Many users cut their losses and accept that their files are lost. However, this is not necessarily the way it has to be. O&O DiskRecovery is software designed for the recovery of deleted data. Even when Windows does not offer a viable solution for the recovery of lost data (i.e. the Recycle Bin), hope is now a possibility with O&O DiskRecovery, an easy and secure way to recover data you had thought was deleted. Accompanied by an on-screen assistant, you are guided through the data recovery process, step-by-step. When all is finished you will be able to use the once-deleted data just as before.

We hope this product is a joy for you to use and saves you valuable time at home and the workplace.

Yours O&O Software

www.oo-software.com

:::warning

If you have deleted data, end all programs running on your computer immediately and start O&O DiskRecovery right away to restore the file. If work on the computer continues as normal, important data can be overwritten making the recovery of desired data more difficult, if not impossible. For this reason it is advised that O&O DiskRecovery be already installed on your system to be ready when disaster strikes. This is the only way to ensure the best success possible for the recovery of lost data.

:::

:::warning

If you have already lost this file by accident, before having installed O&O DiskRecovery, then follow the instructions in chapter Execute the Instant-Installation.

:::

Which version is right for you? {#which-version-is-right-for-you}

O&O DiskRecovery is available in three different versions: Personal, Admin, and Tech Editions. All three differ with respect to their functionality as well as to the nature of their software licenses.

- The Professional Edition (PE) License is computer-bound, meaning that the software may only be used on a single computer. The PE is ideal for home users.
- The Admin Edition (AE) may be used on any number of computers within a company. The Administrator License is issued in the name of a person: in other words, it is issued per administrator. It is not permitted for this program to be installed on non-company computers or be used as part of a service provided to others. The AE is ideal for all companies looking to recover deleted data from company-internal computers.

- The Tech Edition (TE) expands the AE to include the use of O&O DiskRecovery on non-company computers. This license grants this software’s use as part of services provided in the field of data recovery. This software is licensed per technician, enabling licensed technicians to run it on any number of computers. The TE is ideal for all companies offering data recovery services to their customers.

Upgrades to another version can be made through the system menu. In the program window, click on the product icon top left, and then on "Upgrade from Professional Edition".

If you require additional information regarding the licensing of this product, please contact us. We would be glad to help.

Features at a glance

Besides the continuous maintenance and enhancement of the existing program components, you will find several additional new and helpful features in Version . Two additionally integrated search algorithms, known from our highly acclaimed test winner O&O UnErase and O&O FormatRecovery, enable you to search for lost data in more detail with O&O DiskRecovery. The list of supported files was also enhanced so that more than 350 file types and about 300 file enhancements can be processed. The advanced data rescue assistant guides you intuitively through the search and restoration process. If you have lost data before installing O&O DiskRecovery, then the simple Instant-Installation will help you with the data rescue.

- Three integrated search processes: • Fast search for files even on large hard disks (O&O UnErase) • Sector based DeepScan (O&O DiskRecovery) • Searches for formatted or structurally damaged partitions (O&O FormatRecovery)
- Enhanced file type recognition; more then 350 file types and about 300 different file extensions from all current media application can be processed.
- The program can now be started from removable drives (instant installation)
- Advanced Wizard to search and restore
- Deep search for files on destroyed partitions and disks
- Preview for some file types before the data restoration
- Disks will also be rescued, where file types have been damaged or destroyed by software
- Searches and restores especially small files (O&O-DeepScan-function)
- No unnecessary restoration of existing files. Thanks to the O&O-SmartScan function existing files are filtered and thus accelerates the search and restore process.
- The activation of the O&O-RawScan function can ignore the file system and thus also rescue formatted disks.
- Supports all hard disks, changeable drives (e.g. ZIP) a memory cards as well as USB sticks, CompactFlash and most of the digital cameras
- Supported by 64-Bit

System requirements

:::note

The Information contained in this chapter will not be relevant to you if you are using O&O DiskRecovery as part of the O&O RescueBox or O&O BlueCon. This version can be run directly from the CD on computers lacking operating systems. More information may be found in the O&O RescueBox/O&O BlueCon User's Guide of at http://www.oo-software.com

:::

Operating system

- System requirements of each operating system needs to be fulfilled
- 50 MB free hard disk space
- Supports 32 and 64-bit operating systems
- Windows® Vista till Windows® 10 (all Editions)

Access permissions In order to install and run O&O DiskRecovery, it is necessary for you to be a member of the local administrator group or own an equivalent level of privileges. Domain administrators normally already possess these permissions.

Installation and licensing

:::warning

If you have already lost this file by accident, before having installed O&O DiskRecovery, then follow the instructions in chapter Execute the Instant-Installation. To execute the Instant-Installation correctly, you will need a second computer and a portable disk or a network connection from which you can access the target computer.
The installation of O&O DiskRecovery is very easy. Please follow the steps below:

:::

1. Start the computer on which you would like to have O&O DiskRecovery installed.
2. Sign in as an administrator or equivalent.
3. Start the O&O DiskRecovery installation file that you either downloaded from our server or received on one of our software CDs.
4. After the setup program has been successfully initialized, please follow the installation dialogue.
5. During the installation you can select, if you want run an Instant-Installation or a normal Installation.
6. Also, you can decide if you want to grant access to O&O DiskRecovery the current or all users.

:::note

The Information contained in this chapter will not be relevant to you if you are using O&O DiskRecovery as part of the O&O RescueBox or O&O BlueCon. This version can be run directly from the CD on computers lacking operating systems. More information may be found in the O&O RescueBox/O&O BlueCon User's Guideof at http://www.oo-software.com

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Enter license {#enter-license}

In order to activate the product after installation or to gain access to the Full Version at a later time, you must possess a valid license key. This license key is also called a registration code, serial number, or product ID.

The dialogue for registration always appears automatically at the start to guide you if you are using an unregistered version or have entered the registration code incorrectly.

The registration wizard allows for a simple registration process. When you select the option **Enter your Registration Code**, a dialog box will appear where you can enter the registration code you received when purchasing the software. Please make sure that you do not confuse the digit “1” with “I” or enter any empty spaces where they don’t belong when entering the license key.

Press **Next** to save the registration data or **Cancel** to leave the dialog window without saving the data.

When you have correctly entered the license code you will receive confirmation in the dialog window.

Should you run into any problems when entering your registration code, please contact our Support Team.

:::note

If you do not enter a valid license key, you can use O&O DiskRecovery as test version. The test version allows you to search for lost files, yet it cannot restore them. Restoration is only available in the full version. Should you have any questions, please contact our Support Team.

:::

Information about licensing {#information-about-licensing}

O&O DiskRecovery needs to be licensed for each computer, in other words, you need to acquire a license for each computer where you use O&O DiskRecovery. You are not allowed to transfer this license on another computer.

If you would like to implement O&O DiskRecovery in your company or as a technician for your customers, then please contact one of our resellers or our Sales Department.

Trial version If you do not enter a valid license key, you can use O&O DiskRecovery as test version. The test version allows you to search for lost files, yet it cannot restore them. Restoration is only available in the full version. Should you have any questions, please contact our Support Team.

Online registration {#online-registration}

To register online, you'll need the license key you received when you purchased the program.

To register online, start . The questions related to online registration always appear at the start, provided you haven’t registered online.

What are the advantages of online registration? Online registration gives you the benefit of having your customer data kept safely in our files, which means we can provide you with even better service. If, for example, you accidentally lose your license key, we can quickly resend it to you without any problem. The license key is needed for using the full version of a program, getting updates, and for reinstalling the program when you make a new setup of your computer.

Further advantages will let you

- Be supplied with the latest information about our products
- Make free updates on new versions of purchased items (minor updates)
- Upgrade to a new version at a special discount price (major update)
- Obtain support from our customer service

How do I register online? If was purchased on our Online Shop, you’ve automatically registered with us. If purchased at a retailer, you will be asked if you want to register while entering the license information. You then have the option of either registering immediately or at another time. All you’ll need is a functioning Internet connection and a valid license key.

You may also complete the registration form right here: http://www.oo-software.com/register

Just return the completed online form by clicking “Send” and you’ll be eligible to take full advantage of our O&O Customer Service.

Uninstall {#uninstall}

1. To remove O&O DiskRecovery from your system, open the Control Panel under the heading Settings in the Start Menu and click on **Add or Remove Programs**.
2. Please select **O&O DiskRecovery** from the list of installed software and click on **Remove**.
3. Confirm the uninstallation of O&O DiskRecovery. Once the uninstall process is complete you will receive a confirmation message, O&O DiskRecovery is now removed from your system.

Updates {#updates}

If you want to update O&O DiskRecovery to a newer version, you will need a license key. Please follow the following directions:

1. Start the installation of O&O DiskRecovery.
2. Follow the normal O&O DiskRecovery-installation.
3. Once finished, the new version is fully installed.
4. If necessary, follow additional instructions.

Start O&O DiskRecovery without installation

If, during an emergency, O&O DiskRecovery is not yet installed on your computer, you still have the possibility of executing an Instant-Installation. The Instant-Installation is not system bound. In combination with portable disks the possibility exists to start O&O DiskRecovery on that "instant" on a second computer and to select a removable disks (USB-Stick, external hard disk) as target folder for the "Instant-Installation". You can connect the disks afterwards to the actual computer, where data needs to be saved and start O&O DiskRecovery from there. You will completely avoid the installation on your target computer, which possibly might overwrite important data areas of the hard disk, and would thus make data rescue efforts very difficult or even impossible.

:::note

To execute the Instant-Installation correctly, you will need a second computer and a portable disk or a network connection from which you can access the target computer.

:::

:::note

If you execute the Instant-Installation on the same computer from which you want to rescue data, you should bear in mind that starting the installation might overwrite important data areas. We therefore recommend to use a second computer and a portable disk for the Instant-Installation.

:::

:::note

Should you have already fully installed O&O DiskRecovery on a computer, then you cannot carry out an Instant Installation on this machine. As a result, the Instant Installation pop-up window will not appear.

:::

Run the Instant-Installation {#run-the-instant-installation}

Run Instant-Installation, if you have already lost data involuntarily and have not installed O&O DiskRecovery on your computer yet.

:::note

To run the Instant-Installation correctly, you will need a second computer and a portable disk or a network connection from which you can access the target computer.

:::

1. Place the O&O-DiskRecovery-CD in the CD/DVD drive of the second computer or download the installation file from our web server.
2. If you want to use a portable disk (instead of a network connection) for the installation, connect it to the second computer before starting the installation.
3. Start the installation file (*.exe) and select Instant-Installation in the dialogue.
4. Set the portable disk as target and follow the dialogue prompts to finish the installation.

5. after a successful installation, connect the portable disk to the target computer where you want to rescue data.
6. Start O&O Instant DiskRecovery from there and enter the license code when asked, which you have received upon purchase of the software.
7. Execute the data rescue as described in chapter Getting started.

License to use O&O InstantDiskRecovery {#license-to-use-o-and-o-instantdiskrecovery}

With the purchase of the license for O&O DiskRecovery you have also acquired a license for the Instant-Installation. It basically is the "emergency version" of O&O DiskRecovery, which you can use on a different computer, then on the one where O&O DiskRecovery is installed.

Because a single license may only be used on one computer, you will be required to do the following:

1. Open O&O DiskRecovery from the emergency disk on the computer on which you would like to restore one or more deleted file(s).
2. Enter the license code for O&O DiskRecovery. This license now exclusively belongs to this computer!

Once the data restoration has completed, you now can install the full version of O&O DiskRecovery onto this computer. Please note that such an use of this software is not allowed and is against the license agreement. If you would like to use O&O DiskRecovery on multiple computers, it is possible to purchase a multi-user license. Our Sales team would be more than happy to assist with this free of charge and obligation.

Quick Start

Connect the drive, from which you would like recover data, to your computer. It is necessary that your computer is running a compatible version of Windows.

1. Start O&O DiskRecovery from **Start/All Programs/O&O Software/O&O DiskRecovery**.
2. After the start you will get to the drive selection by clicking on **Continue**. Select the drive on which you would like to recover data and confirm by clicking on **Next**.
3. Confirm the initial data recovery settings on the next page by click on **Next**. After the following page, you can start the data recovery operation.
4. After the scan for deleted data has been completed you may now select from the list of folders and files the deleted files you would like to restore. With some file types (e.g. pictures) you can see the content of the file. This function is activated with preview.
5. Clicking **Next** will lead you to the selection of the target folder. In this folder your restored files will be saved.
6. In the next step the files will be restored. After this is complete, you will be able to view a status report of all actions taken up to this point. You can now close O&O DiskRecovery.

:::note

Please make sure that there is sufficient disk space on your system and the target folder is not located on the drive where you would like to recover the deleted data.

:::

Regarding O&O RescueBox/O&O BlueCon It is possible to execute the data restoration directly from the bootable O&O RescueBox-CD or the O&O BlueCon-CD without needing a bootable Windows operating system! More information on this can be found in the O&O RescueBox/O&O BlueCon user's handbook or at http://www.oo-software.com

Important information on data recovery

If you would like to restore mistakenly deleted files, you should try to avoid, as much as possible, writing to the affected disk drive. This can overwrite data preventing them from being recovered at all. It is for this reason alone that we recommend the installation of O&O DiskRecovery before a problem occurs.

O&O DiskRecovery is able to restore data, in which the directory structure and the information is already deleted or have been overwritten. This can happen when a partition is formatted or new files are created. With the help of a special process, O&O DiskRecovery attempts to find and restore these data back into valid file formats.

Unfortunately, not all files can be recovered without error. For example, the highly fragmented files can be very difficult, if not impossible, to recover. In such a case, the regular use of a defragmentation tool such asO&O Defrag can not only help you avoid this problem, but also can strongly contribute to the improved performance of your system.

Please note, however, that it may not be possible to restore all deleted dataIf the areas, where the deleted data was located has already been overwritten, it is not possible to restore them with O&O DiskRecovery. If some areas have been partly overwritten, some files may be incomplete possibly leading to errors.

Should you have further questions, you can always contact our technical support team. Please note that we can only provide this support for registered users of the software according to their individual license agreements. However, in conjunction with our subsidiary, the support staff of O&O Services GmbH would be more than happy to offer you fee-based assistance in rescuing your lost data.

:::note

Please do not delete any data for fun or for test purposes without first making a backup copy using e.g. O&O DiskImage. We strongly recommend that you regularly make back up copies of your important data and store them in a safe place.

:::

What to do when data gets deleted accidentally {#what-to-do-when-data-gets-deleted-accidentally}

If possible, do not save anymore data onto the system after the data in question have been deleted. Close all applications without saving any data to the disk or other data storage media (if possible). Even searching or downloading data rescue programs from the Internet can overwrite areas of your hard disk, restoring your lost data is thus complicated or even becomes impossible.

If in doubt, shut down the computer!

Think calmly about how the data were deleted. Try not to panic and quickly restore the data in question! Reckless behavior can lead to even more data loss.

Make sure that the files are not located in the **Windows Recycle bin**

If data has really been deleted, you should use O&O DiskRecovery to run a data rescue.

If you have O&O DiskRecovery installed, start the program and proceed as directed in chapter Getting started.

:::note

If you **haven't** installed O&O DiskRecovery yet, proceed with the Instant-Installation.To execute the Instant-Installation correctly, you will need a second computer and a portable disk or a network connection from which you can access the target computer.

:::

:::note

If you only have one partition (e.g. only "C:"), you will need an external disks to save the data to be restored, e.g. USB-Stick.

:::

Prepare for an emergency {#prepare-for-an-emergency}

1. Install O&O DiskRecovery on the computer, where you want to restore the data in the case of an emergency.
2. Register O&O DiskRecovery with the purchased license code. Without a valid license code it will not be possible to restore data with the O&O DiskRecovery.
3. All necessary preparations are now complete. If you have to restore data due to an emergency, follow the instructions in the section Getting started or Quick Start

Optimize data search and rescue

With O&O DiskRecovery you have a lot of control over the speed and precision of the program's operations. the more detailed you set the scan, the better the restoration results. Please note that a complete and in-depth scan can take some time. It is possible, however, for a scan to be run completely without any user interaction. This can spare you time-consuming interaction with the computer while the scan is being run.

We recommend the activation of the options O&O SmartScan and O&O DeepScan. If this does not suffice in gathering the desired results, activate O&O RawScan and repeat the scan.

You can repeat the scan as many times as you would like with as many different settings as you would like. Because O&O DiskRecovery is only reading the storage media, there is no danger of data loss occurring.

Quicker scanning with O&O SmartScan {#quicker-scanning-with-o-and-o-smartscan}

A common problem that occurs with data recovery is that not only deleted files are recovered. You have to filter through those files that already exist on your system, while looking for deleted files.

With the one-of-a kind option O&O SmartScan you can hide existing files automatically so that only deleted files are looked for and restored. This can greatly accelerate the data recovery process, depending on the settings.

- You enable/disable this option in the dialogue Advanced options for the search **Additonal settings/Adapt settings/General.** This option is set by default.

:::note

this option is only available, if you run a search through a partition. If you have selected a device (hard disk, USB Stick etc.), the option O&O SmartScan is not available.

:::

More precise search with O&O DeepScan {#more-precise-search-with-o-and-o-deepscan}

Often very small files are not recognized and restored by data recovery programs. Moreover, those files that are found are sometimes restored as much larger files. This can lead to errors in the file's operation. This not only increases how much storage capacity is consumed, but can also lead to undesired results.

The O&O DeepScan technology scans for all files located on your storage media with a special emphasis on finding especially small files. O&O DiskRecovery also tries to identify the correct size of the files so that wasted disk space and errors can be avoided.

- You enable/disable this option in the dialogue Advanced options for the search **Additonal settings/Adapt settings/General**. This option is set by default.

Leaving out the file system with O&O RawScan {#leaving-out-the-file-system-with-o-and-o-rawscan}

With the option O&O RawScan you can restore files from partitions, which have been formatted before. If a partition on which you would like to restore deleted data with a new file system (e.g. FAT and now NTFS), then you can direct O&O DiskRecovery with this option to not consider this file system. This enables the recovery of data on a system-wide level and therefore offers the more precise possibility for data recovery.

- You activate/deactivate this option in the dialogue **Selection of search technique/Adapt settings/General**. This option is set by default.

:::note

This option is only available, if you run a search through a partition. If you have selected a device (hard disk, USB-Stick etc.) , you don't have the option O&O RawScan available.

:::

Start a data recovery

The following chapters will explain, how to rescue data with the successful installation if O&O DiskRecovery.

Start O&O DiskRecovery {#start-o-and-o-diskrecovery}

For this start O&O DiskRecovery either over the desktop link or under **Start/All Programs/O&O Software/O&O DiskRecovery**. You can also have online help displayed by clicking **Help** or pushing **F1**.

As soon as O&O DiskRecovery starts, it is possible to begin a new data recovery session or continue one you have saved. Clicking **Next** will take you to the Drive Selection dialog box. O&O DiskRecovery may be **Cancel**ed at any time.

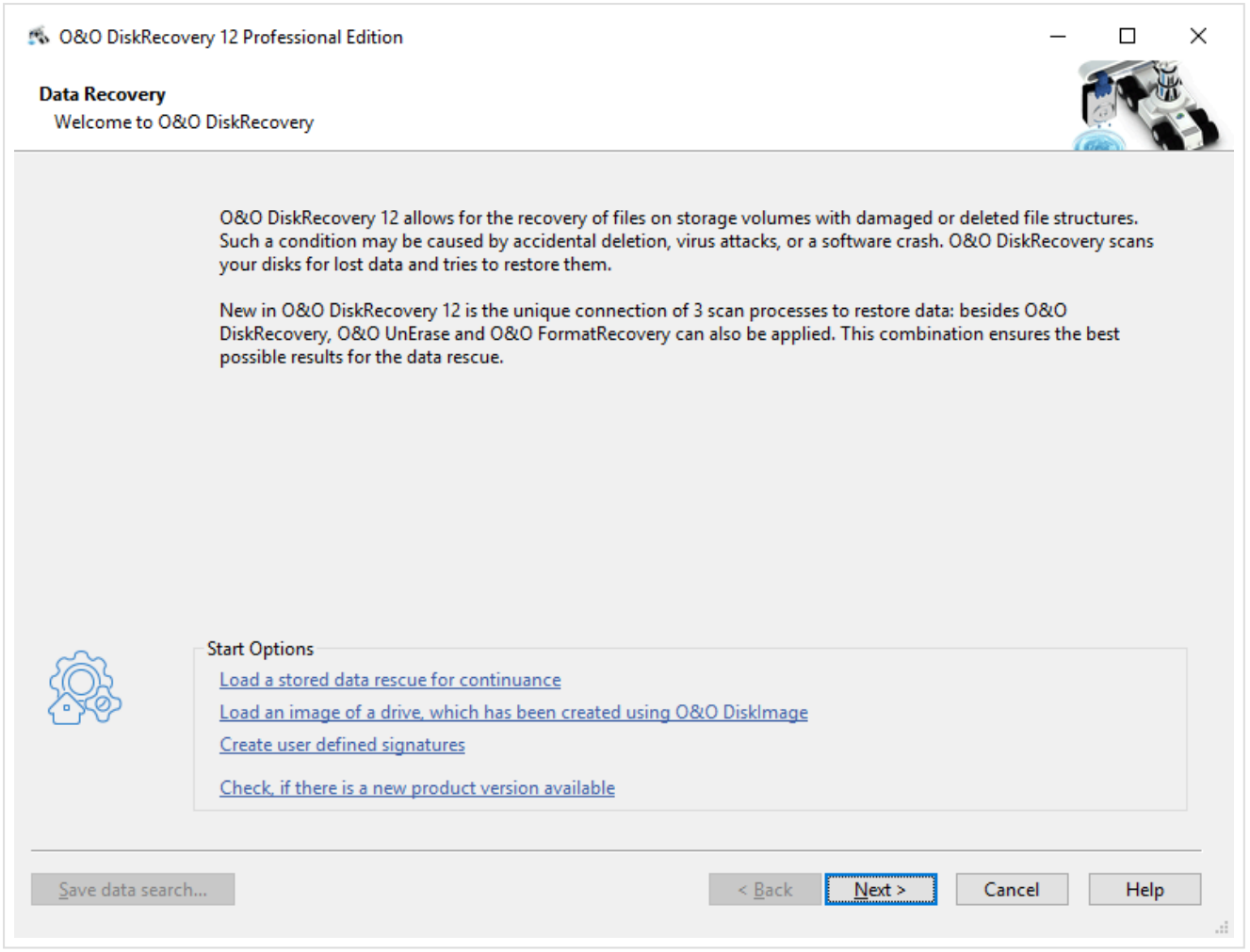
Loading a Saved Data Recovery

1. Select **Load a stored data rescue for continuance** and select the file with the data rescue. Such a file generally has the extension DRD.
2. The data recovery information will then be loaded. Then you will be able to continue with your data rescue. If the data volume on which you would like to recover data is not present on your system, an error message will appear.

Execute data rescue from an image Our data imaging programm O&O DiskImage can be used to create a direct forensic 1:1 image of the affected disk. This image (*.omg) can be mounted as drive under Windows, and you can try to rescue your data with O&O DiskRecovery. The advantage is that the original disk will no longer be needed and thus can be used for other measures, such as sending it to a data rescue facility.

- Under **Load an image of a drive, which has been using O&O DiskImage** you can load a created image(*.omg), and then run the data rescue from there.

User defined file signatures Some types of files are not supported by O&O DiskRecovery. However, if you would like to add your own file signature so that O&O DiskRecovery will detect such files during its scan, select **Create user defined signatures**. More on this can be found in the section entitled Adding Your Own Signatures.


O&O DiskRecovery 12 Professional Edition
Data Recovery
Welcome to O&O DiskRecovery
O&O DiskRecovery 12 allows for the recovery of files on storage volumes with damaged or deleted file structures. Such a condition may be caused by accidental deletion, virus attacks, or a software crash. O&O DiskRecovery scans your disks for lost data and tries to restore them.
New in O&O DiskRecovery 12 is the unique connection of 3 scan processes to restore data: besides O&O DiskRecovery, O&O UnErase and O&O FormatRecovery can also be applied. This combination ensures the best possible results for the data rescue.
Start Options
Load a stored data rescue for continuance
Load an image of a drive, which has been created using O&O DiskImage
Create user defined signatures
Check, if there is a new product version available
Save data search...
< Back
Next >
Cancel
Help

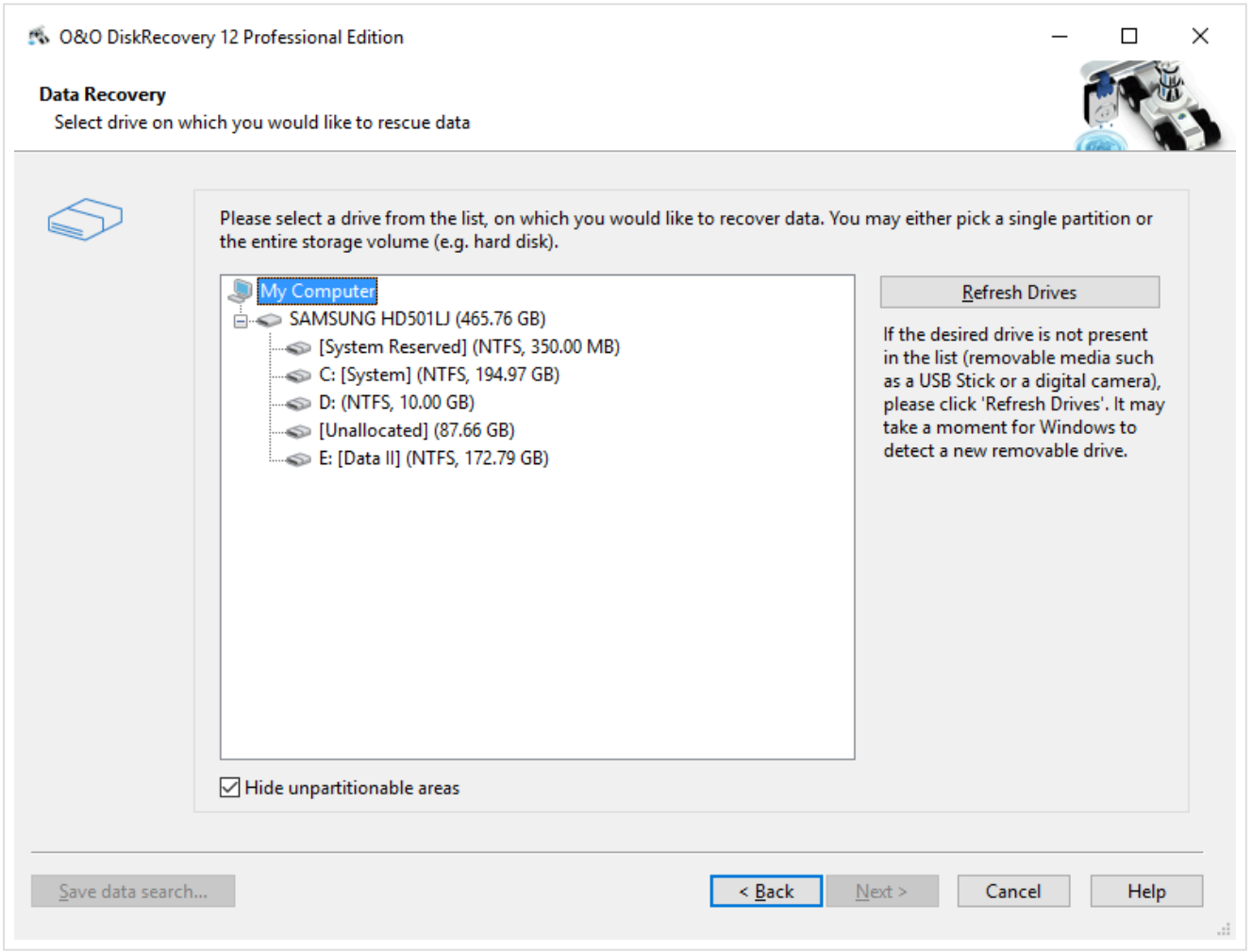
Select a drive

Select the drive, where you want to search for the deleted data. You can either select a partition (e.g. C: or D:) or an entire hard disk. You can also select as many storage volumes as you want, e.g. USB Sticks and Memory-Cards of digital cameras. Clicking Next will end the Drive Selection dialog.

As a standard, the areas which cannot be partitioned are hidden. Unselect **Hide unpartitionable areas**, if you want to make these areas visible.

Compared to the areas that cannot be partitioned there might also be areas, which are not partitioned. These areas are not available as partitions for Windows, but can be searched by O&O DiskRecovery. These areas are displayed in the partition list of a hard disk as RAW or "not allocated".

If you want to add drives after starting O&O DiskRecovery (e.g. USB Sticks or digital cameras), they will be displayed when you select update the drives. Then the drive list will be scanned once more and displayed.



Select the search method

O&O DiskRecovery offers various search techniques in combination. The search techniques employ different search techniques to rescue data, which optimally complement each other.

As a rule, all search techniques are activated. In the search for deleted files all will be used for any inquiry. Depending on the size of the disk, this could take some time.

Selecting individual search techniques e.g. only O&O UnErase, offers the advantage that the search for deleted files is faster. If you are missing files after the first search run, you can use another search technique.

:::note

It is possible that not all scan processes will be fully run during a scan. This can be caused by the scan requiring an increased memory load. You'll notice this when, for example, a higher number of files are found, or one of the three scan processes results in no found data at all. To avoid this, you should run a new scan and when doing so, disable one of the scan processes. You should either run O&O UnErase and O&O FormatRecovery OR O&O UnErase and O&O DiskRecovery.

:::

O&O UnErase The intelligent search algorithm enables a quick search run even through large hard disks. Even if some parts of your file have been overwritten with data, it is still possible to restore the other parts. Yet, it is also possible that not all deleted files are found.

O&O FormatRecovery Compared to O&O UnErase and O&O DiskRecovery, O&O FormatRecovery is able to restore data, of which folder and structure information is missing completely. The advanced functions of the special search algorithm of O&O FormatRecovery makes it possible to locate and ignore the defect sector. As a result, it still possible to conduct a data rescue even if the disks is damaged.

O&O DiskRecovery The search algorithm of O&O DiskRecovery scans all sectors of the hard disk, the memory card or the USB Stick for lost files. Even formatted or destroyed file systems have a good chance of having data reconstructed. After completing a scan, it is possible to preview the files that can be restored. O&O DiskRecovery supports various picture and text formats in the preview function (among other things JPEG, BMP, TIF an many more).

It is sensible to use all of three search techniques for the data rescue. Here are a few typical application examples to illustrate the differences between the software programs.

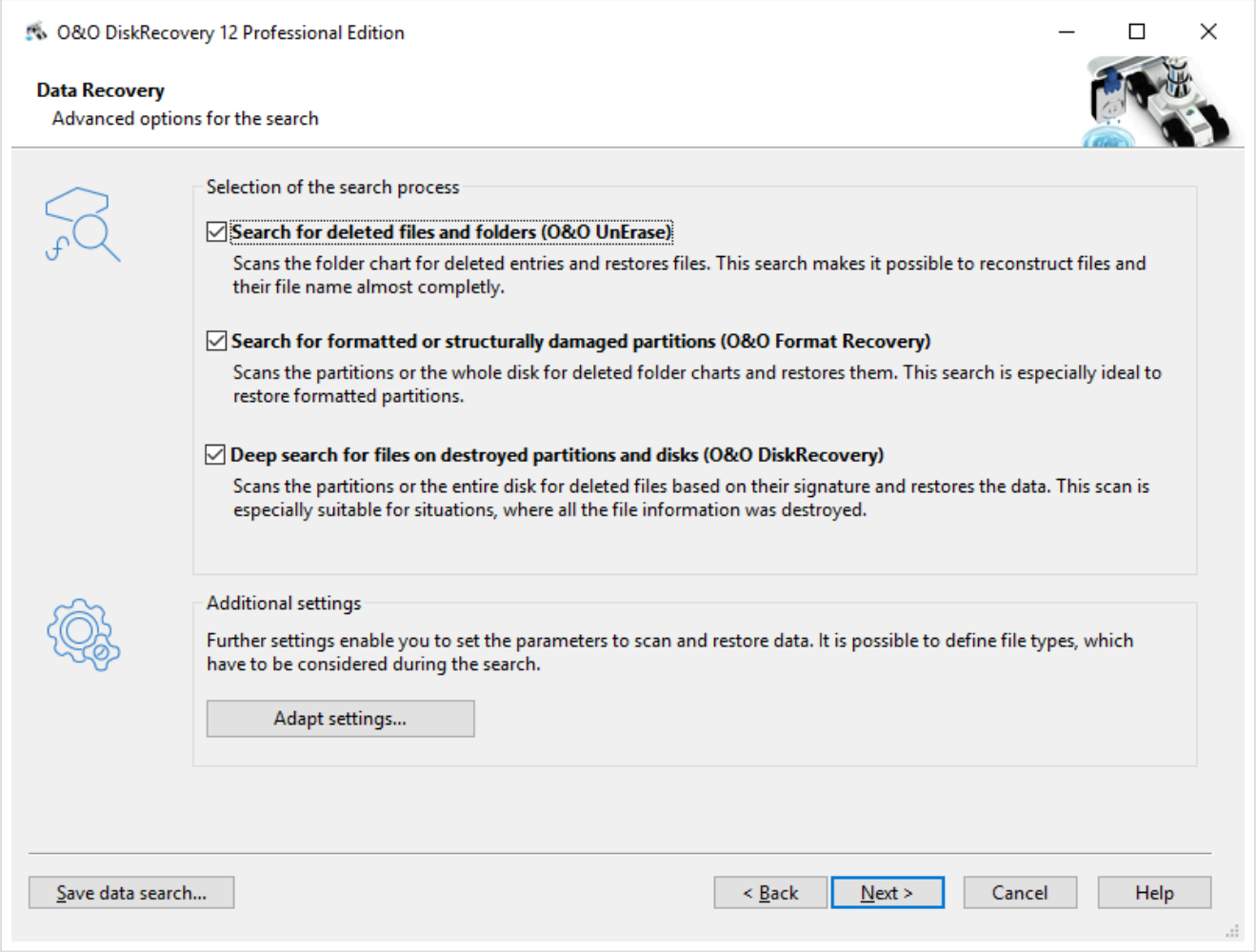
	O&O UnErase	O&O FormatRecovery	O&O DiskRecovery
Files were accidentally deleted from the Recycle bin.	✔	✔	✔
A drive was formatted.		✔	✔
A virus or malicious software caused damage to some data and now some files or folders are missing.	✔	✔	✔
Windows announces the need to format the disk.		✔	✔
The disk was formatted, the files were heavily fragmented.		✔	
O&O UnErase did not produce the desired results.		✔	✔
No file system is present on the drive.		✔	✔
O&O FormatRecovery and O&O UnErase did not render the desired results.			✔
A new operating system was accidentally installed.			✔

You can set further settings under **Adapt settings**.

:::note

Please bear in mind that the search techniques used by O&O FormatRecovery on e.g. hard disks encrypted with BitLocker, cannot reconstruct data.

:::



Set up the search settings {#set-up-the-search-settings}

After drive selection you will be able to define the settings that will have a huge effect on the precision and length of the scan. In addition you can lay down a minimum length for text files. However, the default settings are generally sufficient for most cases and therefore probably do not need to be changed.

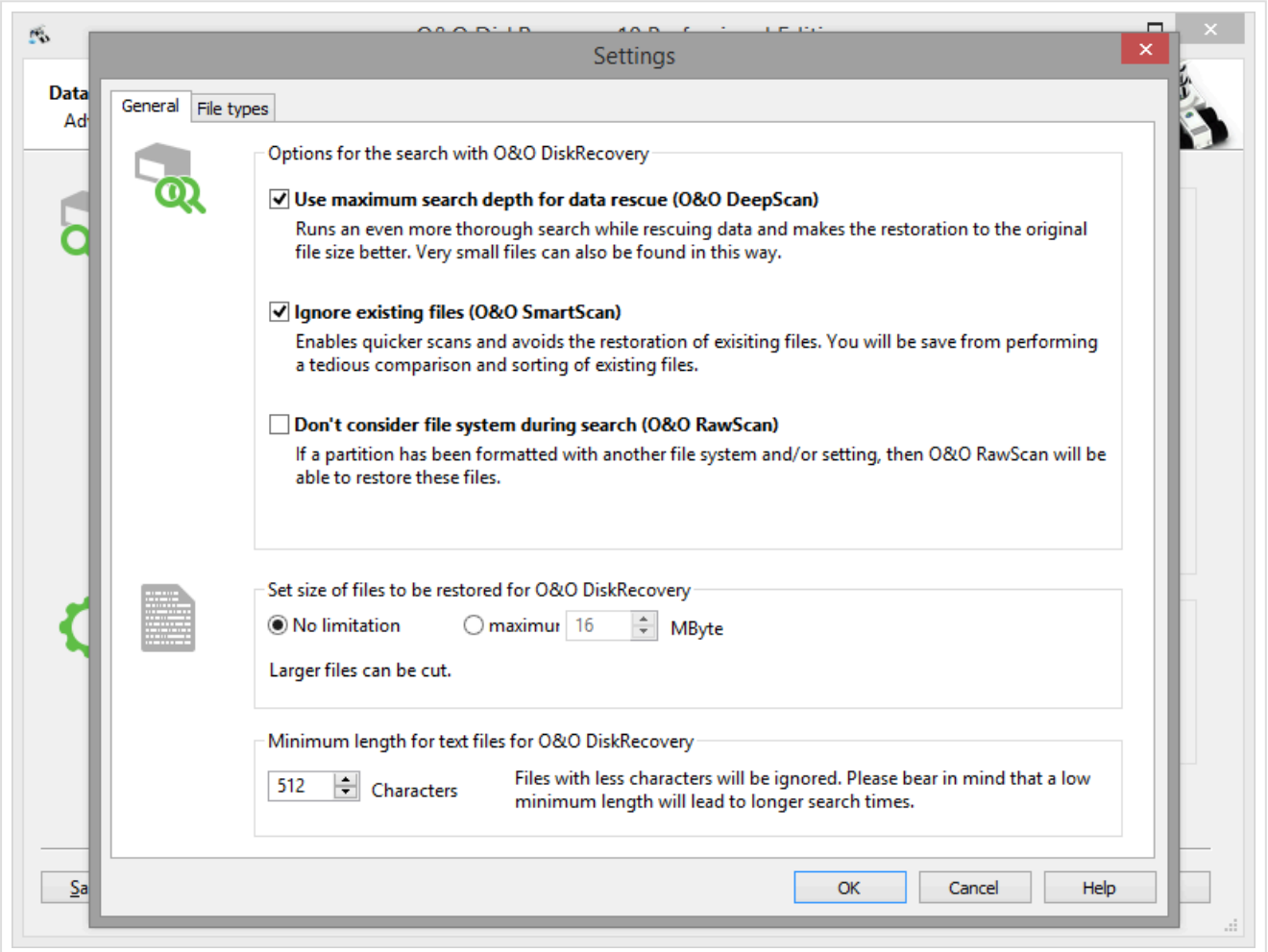
:::note

If you have selected a device(hard disk, USB Stick etc.) and not a partition, you do not have the options O&O SmartScan and O&O RawScan at your disposal.

:::

Maximum Scan Depth for Recovering Data (O&O DeepScan) Runs an even more precise scan when rescuing data and increases the rate of success for the restoration of the original file size. Also, very small files can also be

found this way. This can increase the duration of the scan. **Ignoring Existing Files (O&O SmartScan)** Enables a faster scan and avoids the restoration of exisiting files. You will save later tedious comparisons and sorting of already existing files. **Leaving Out the File System During the Scan (O&O RawScan)** If the partitions, from which you want to restore data, was formatted, then the option O&O RawScan enables you to also restore these files. This can increase the duration of the scan. **Specify size of files to be restored in O&O DiskRecovery** This function limits the scanning sequence to notice only files smaller than a set number of Megabytes. This maximum value can be set anywhere between 1 and 1024 MB. By default, all recoverable files, regardless of their size, are scanned. Using this function will conserve system resources and possibly accelerate the entire scanning operation. **Minimum Length for text files** O&O DiskRecovery can recognize a number of different text files (HTML, source text files etc.). The default value of 512 characters means that all text files that consist of 512 characters or less will not be picked-up by the scan. If you would like to set this value lower, you can do so here. Minimum is a length of 16 symbols. The smaller the value, the longer the scan duration.



Filter by file type {#filter-by-file-type}

It is possible to determine which types of files O&O DiskRecovery will scan for. By default all data types are considered. After the scan has been completed you will be able to select which files are to be restored. Because of this you may want to just leave the file type settings as they are. Clicking **Next** will initiate the data scan.

File Types In the file type dialog box you can define which file type will be considered in the scan and will not. With the Filter you can customize the display to only show specific **file type groups**. To do this, just adjust the column headings to meet your sorting needs.

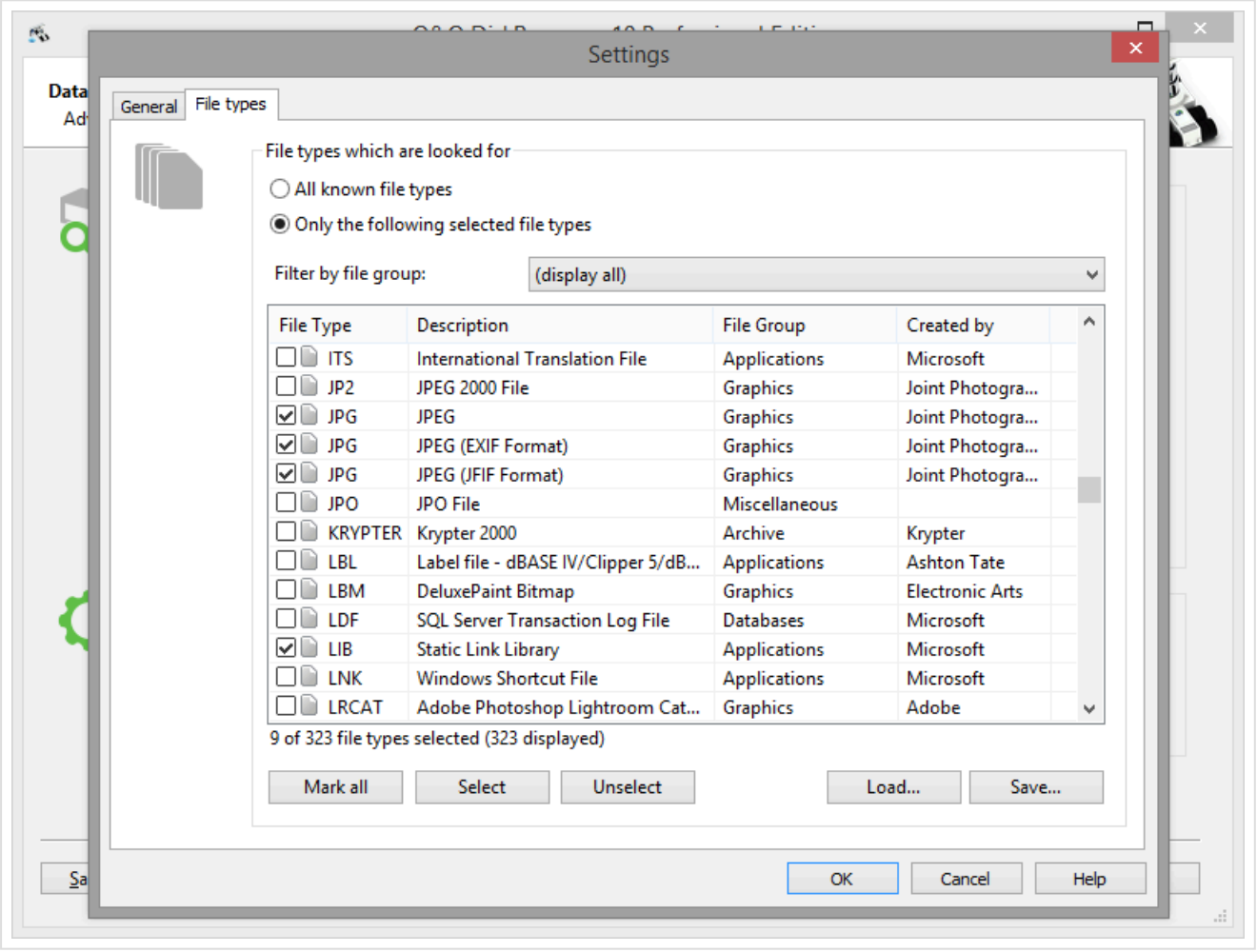
:::note

Please note that you must select at least one file type to continue with the scan.

:::

Load and Save In order to secure a specific group of file types for future scans, simply save this particular scheme. Later you can use the load function to change or use it again.

Selecting File Types O&O DiskRecovery scans for all highlighted file types. All unselected file types are hidden. Normally, though, you can select all file types to be considered for the scan and filter those you do not want to recover after the scan result have been compiled.



Start and run the search

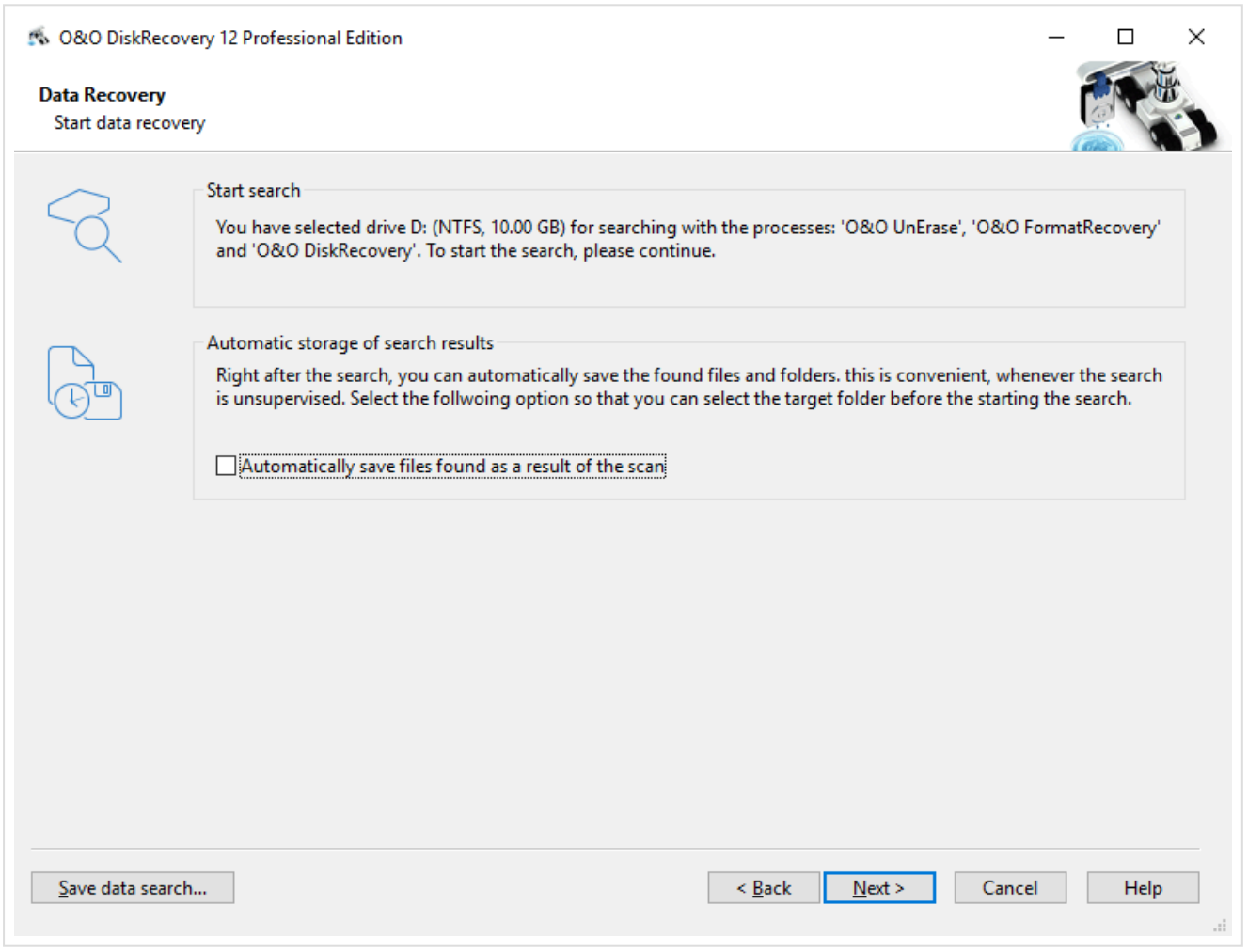
- Click on **Next** to start the search for deleted files.

Automatic saving of the search results If you would like to execute an unsupervised scan, you can instruct O&O DiskRecovery to save all found files automatically after the scan and to finish the data rescue. This can save time. If you would like to select this option, your next step will be to define a target folder. Once this is completed, the scan will be initiated. More information on this can be found in the section entitled Saving Files.

:::note

This function is not available in the trial version and Personal Edition of the software.

:::



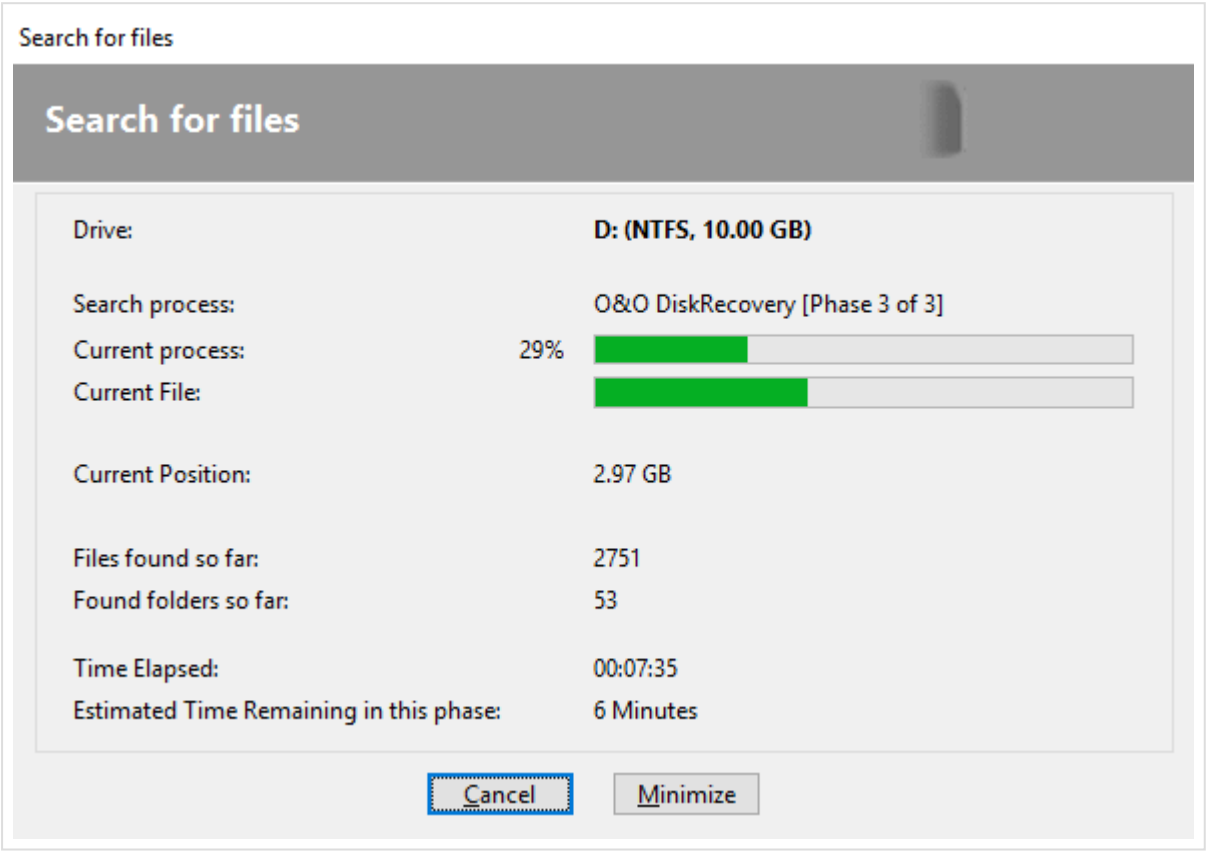
Run the search {#run-the-search}

During the scan you will receive information regarding the O&O DiskRecovery scan by way of a status dialog box. In it you will find the overall progress of the scan, the progress pertaining to a specific file, and the number of files

found to this point.

The elapsed time, as well as the estimated time remaining, can also be found here.

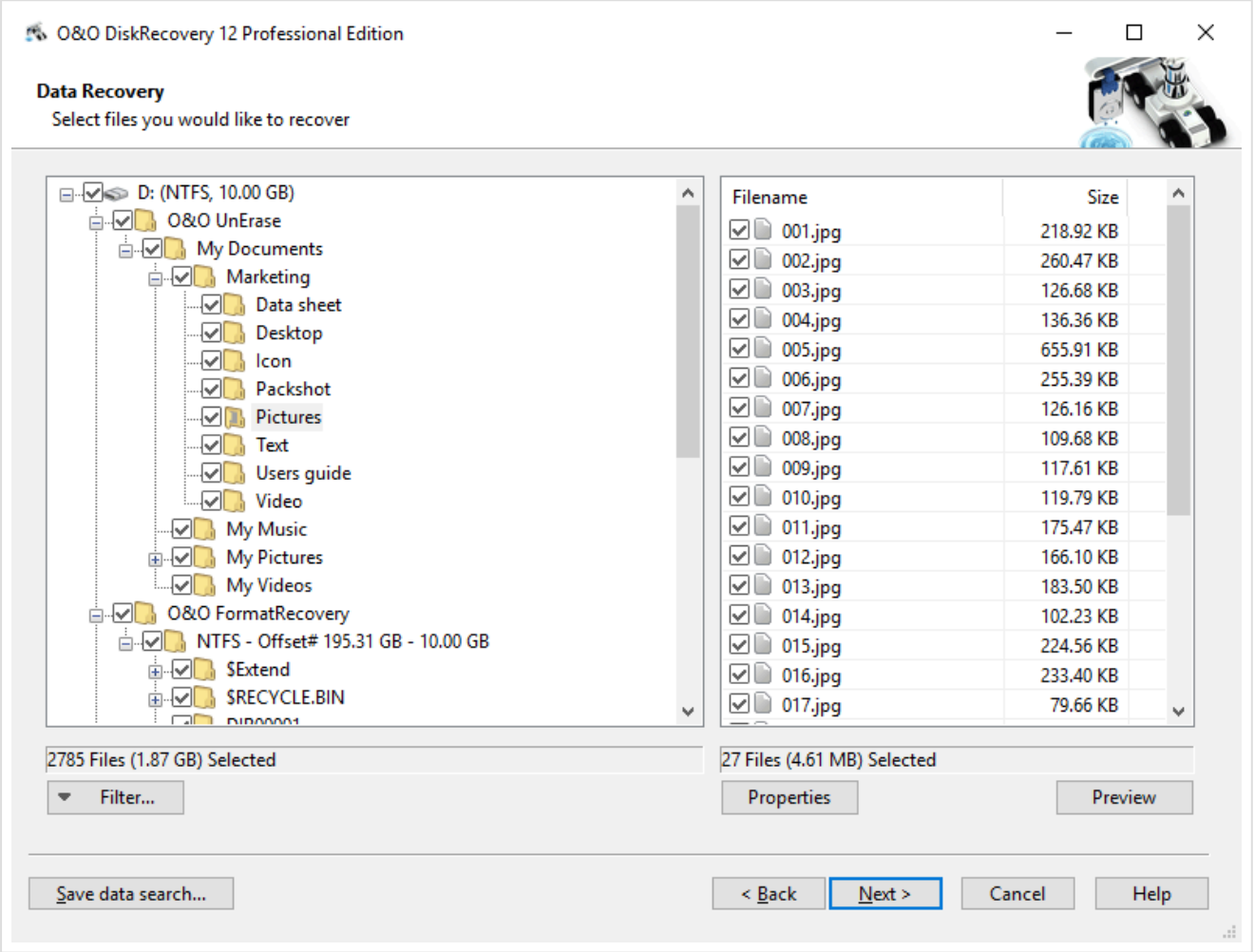
O&O DiskRecovery can be Minimized in to the System Tray. By clicking **Cancel**, you can stop the scan at any time. When the scan is interrupted you will be returned to the previous page of the assistant where you will be given the option of resuming the scan or running it again.



Select files to be restored

After the scan has been completed, the files found will be displayed in two lists; the list to the left displaying the types of files found, the one on the right showing the actual files of this type found. By selecting a specific file type on the left, the corresponding list on the right will change. Depending on which list is activated, the commands Select All, Select, and Unselect can be used.

When your selections are made, click on **Next** to continue to the next step.



:::note

It is possible that not all scan processes will be fully run during a scan. This can be caused by the scan requiring an increased memory load. You'll notice this when, for example, a higher number of files are found, or one of the three scan processes results in no found data at all. To avoid this, you should run a new scan and when doing so, disable one of the scan processes. You should either run O&O UnErase and O&O FormatRecovery OR O&O UnErase and O&O DiskRecovery.

:::

Preview {#preview}

Many picture and text files can be immediately previewed without having been previously recovered.

To activate the preview select the file type group on the left and then click on **Preview**. If the button is grayed-out, these types of files cannot be previewed.

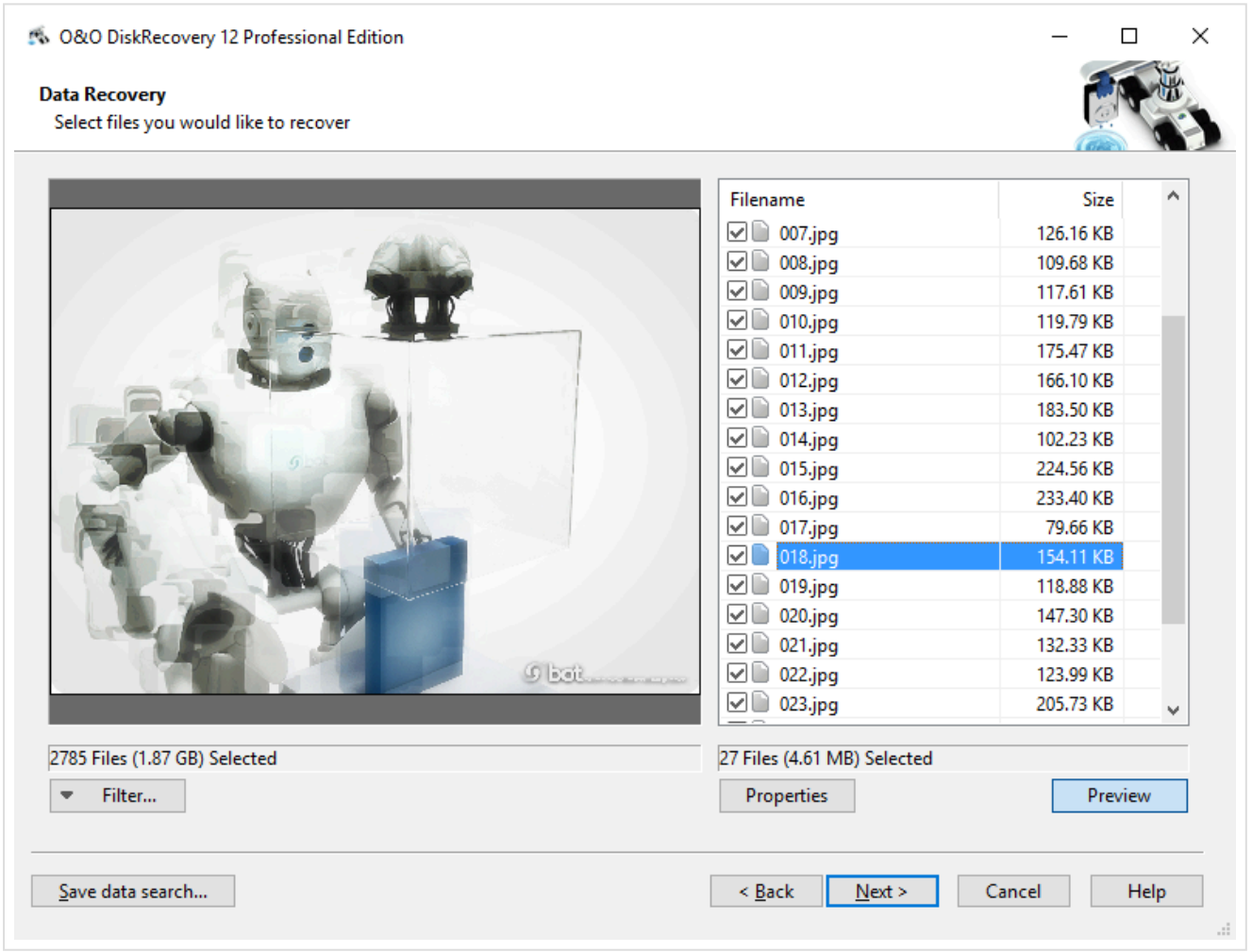
With the preview function active, click on the file you would like to preview.

- To **deactivate** the preview function, simply click the **Preview** button one time.
- **Filter/Select all files** marks all suitable files for restoration
- **Filter/Unselect all files** removes the selection.

:::note

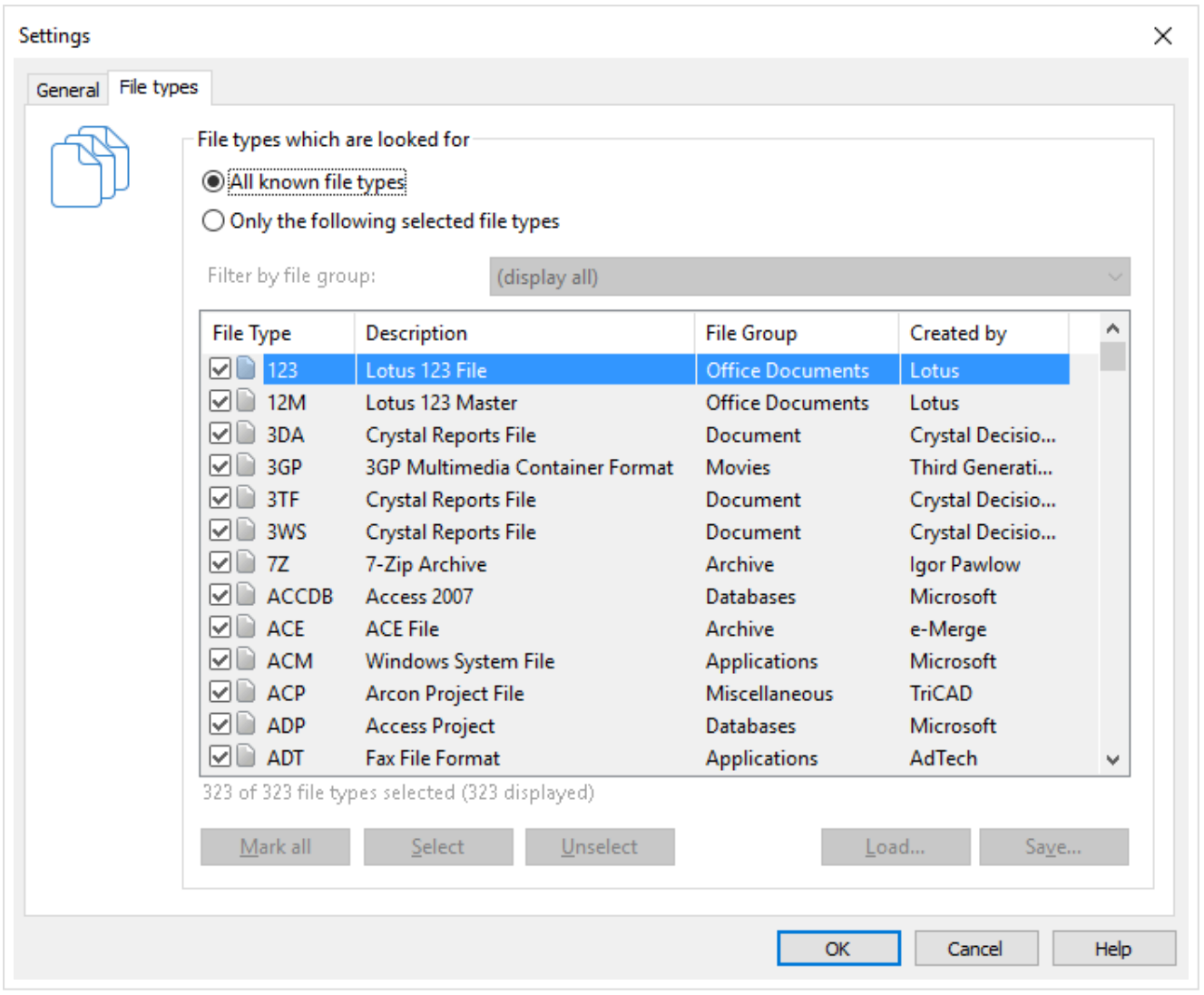
The fact that a preview is not available for some files does not rule out the chance for a successful and flawless restoration of those files. This function should not be seen as a way to judge the quality of a pending restoration, but rather as a means to make the file identification process easier.

:::



Filter {#filter}

With the Filter option it is possible to include or exclude specific files from the list depending on their size. To do so, enter the size range in which the desired files should fall. You can also stipulate whether the filter should consider all files, only those previously selected, or only those you previously left unselected.



Select the target folder

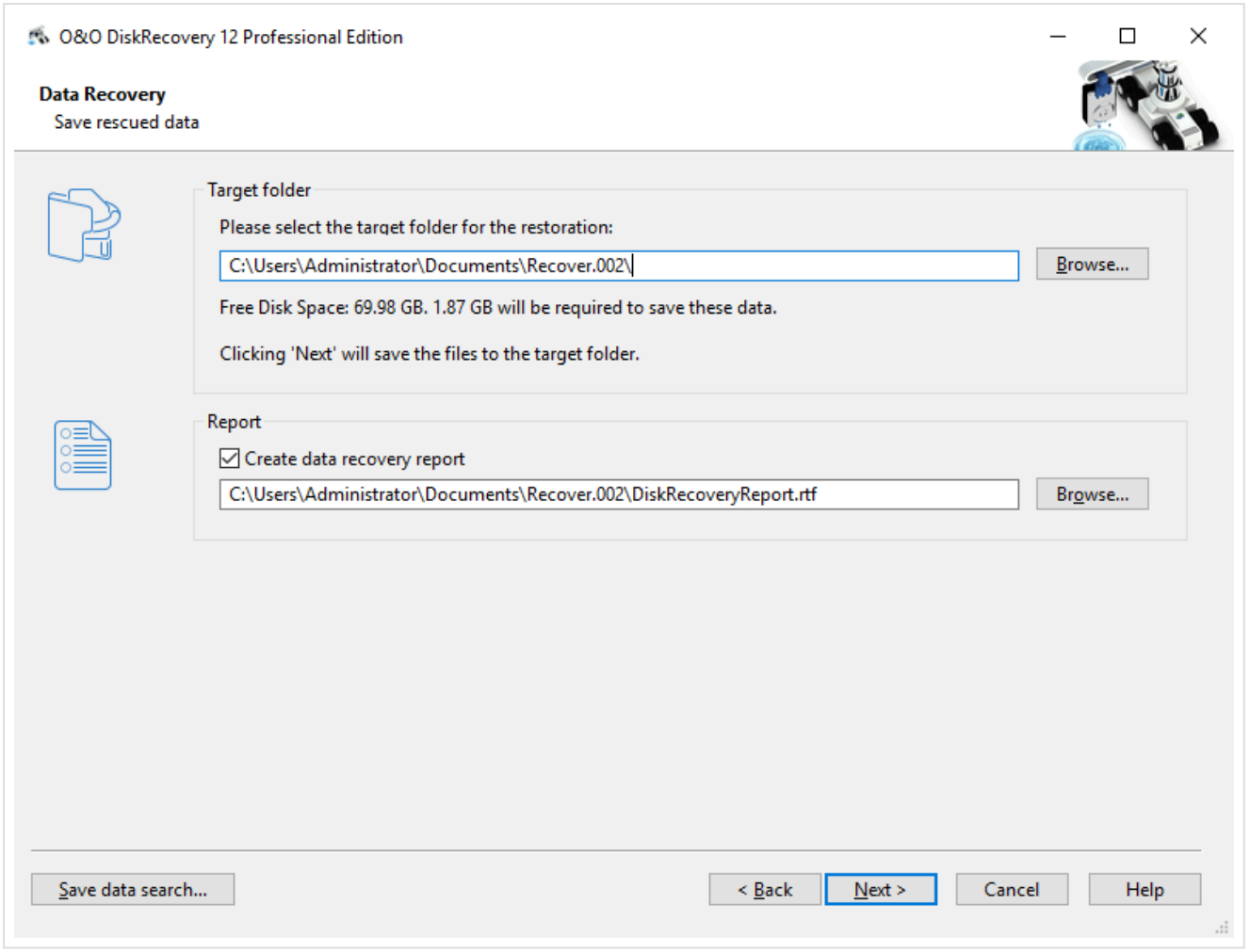
To recover selected files you need to enter a saving location. By default your 'My Documents' folder is set, but any folder, including network folders, may be selected for this. O&O DiskRecovery automatically creates a subfolder into which the recovered files are saved. Because an individual subfolder is created for every file type recovered, it is advised that you select a target folder that is new or empty. In addition, it is possible to create a report regarding the completed data recovery.

- Enter the target folder for the data to be rescued. If it does not exist yet, it will be created automatically. Confirm the corresponding dialogue question.
- Click **Next** to initiate the recovery of data.

:::note

Please bear in mind that the target folder cannot be located on the same partition from where the data is to be restored! Also do not forget to make sure you have enough storage capacity on disk to facilitate the newly recovered files. If you only have one partition (e.g. only "C:"), you will need an external disks to save the data to be restored, e.g. USB Stick.

:::



Creating a Report Activating this option will enable you to view a detailed report regarding the completed data recovery session. You can have this report saved to a different target folder as that in which the recovered files are to be saved. As a standard it will be created with the name "DiskRecoveryReport.rtf" in the target folder.

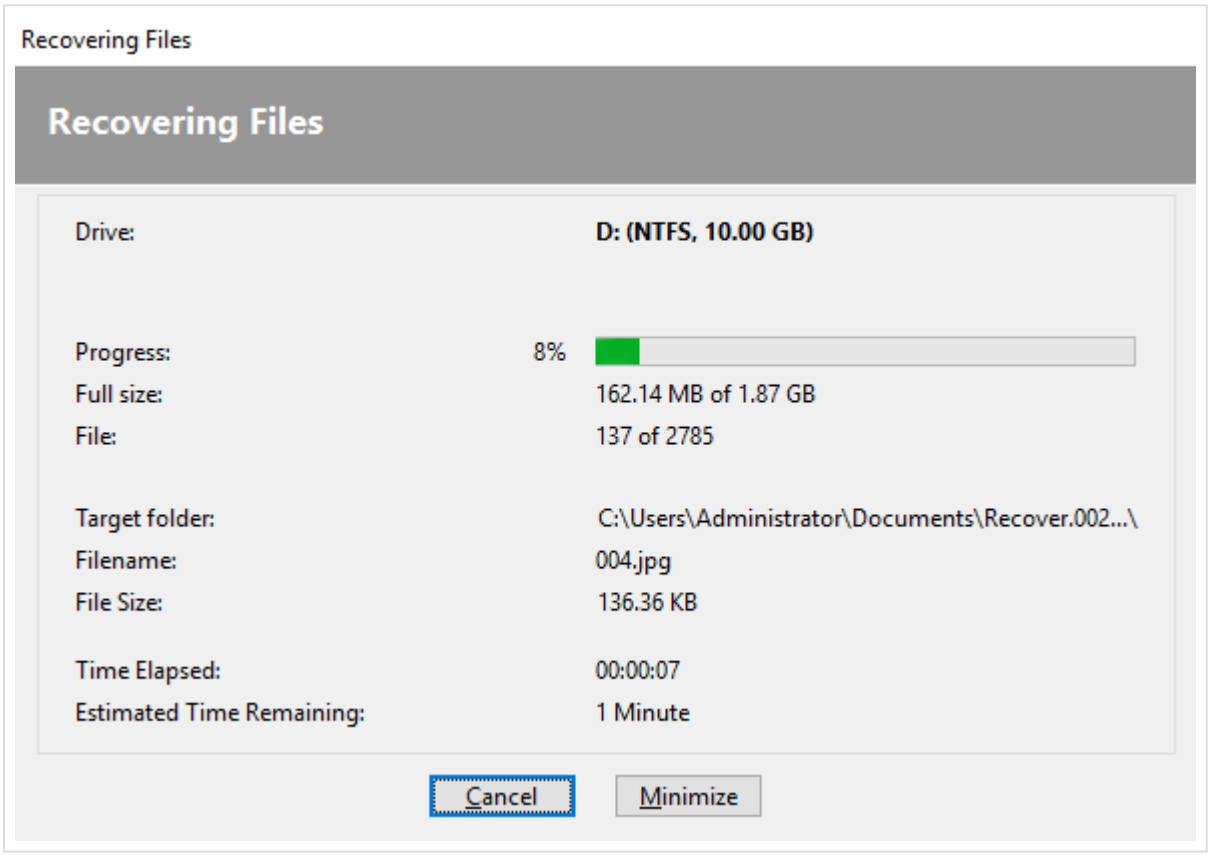
The reports are saved in Rich Text Format (RTF) and can be viewed and printed with the help of applications such as WordPad, Microsoft Word, or any other text editing programs.

Save files

While the recovered files are being saved to their target folder, O&O DiskRecovery keeps you up-to-date by way of a convenient dialog box. Information, such as overall progress and the total size of the saved files, is displayed in real-time as the operation progresses.

The elapsed time, as well as the estimated time remaining, can also be found here.

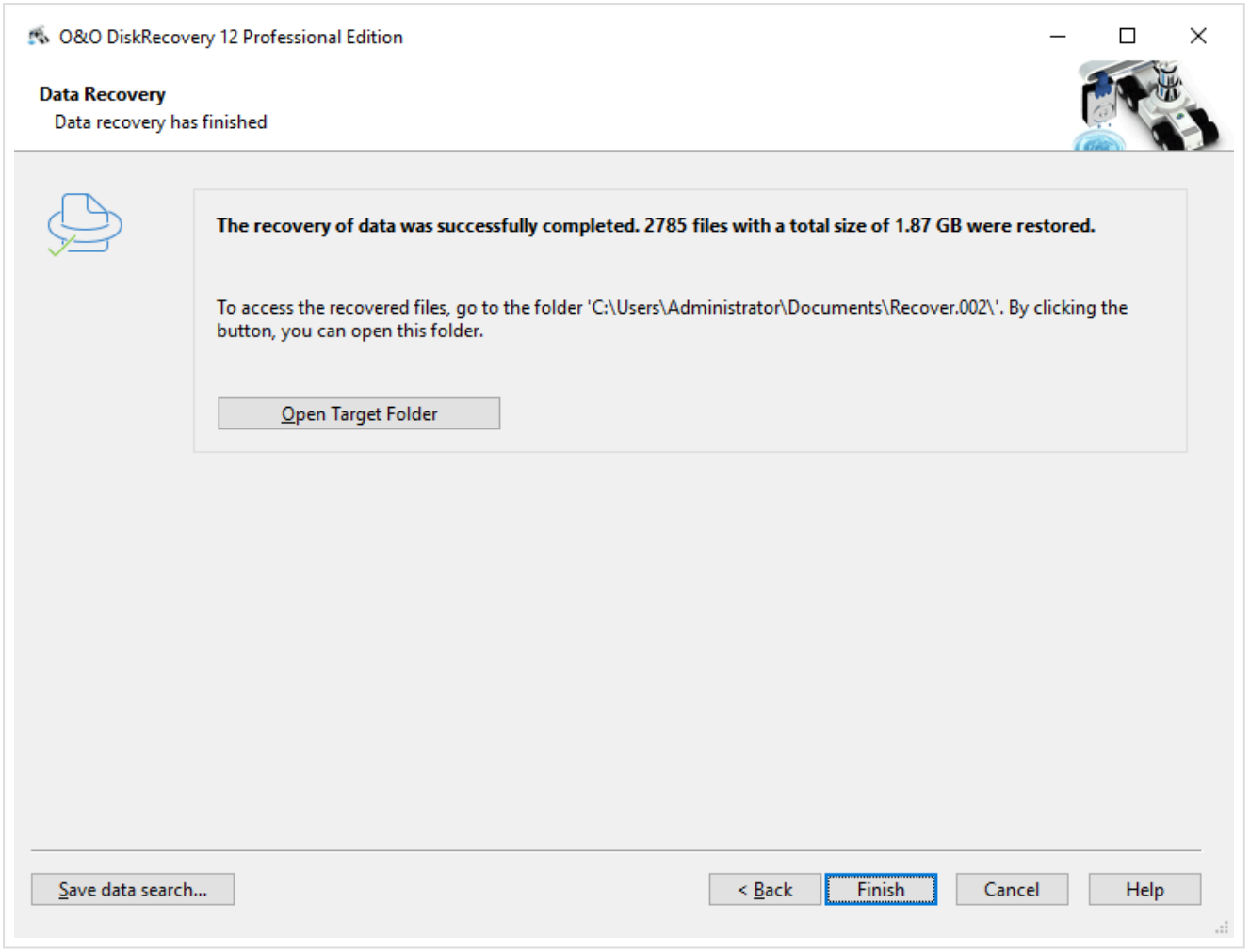
O&O DiskRecovery can be Minimized in to the System Tray. Pressing Cancel will interrupt the saving operation. When the operation is interrupted you will be returned to the previous page of the assistant where you will be given the option of changing the target directory and reselect the files to be recovered. Please note that all files that have already been successfully saved will be unselected so that you can continue to save files where you left off.



Complete the data recovery {#complete-the-data-recovery}

After the successful recovery of files is completed, a summary of the data recovery will appear. From here you can Open Target Folder and immediately access the restored files.

By clicking **Finish** O&O DiskRecovery will be closed.


O&O DiskRecovery 12 Professional Edition
Data Recovery
Data recovery has finished
The recovery of data was successfully completed. 2785 files with a total size of 1.87 GB were restored.
To access the recovered files, go to the folder 'C:\Users\Administrator\Documents\Recover.002\'. By clicking the button, you can open this folder.
Open Target Folder
Save data search...
< Back
Finish
Cancel
Help

Save a data recovery and continue it later

At any time you can interrupt the data recovery operation and continue it at a later time. In the bottom-left-hand corner of the Assistant you will find a button entitled Save Data Recovery. This will open a dialog box that will allow you to save the current data recovery.

After the data recovery is successfully saved, it will be possible to load it after O&O DiskRecovery is restarted at a later time. More information on this can be found in the section entitled "Starting O&O DiskRecovery".

Please note that the save function is only available when you have made changes to the default data recovery settings.

File types and signatures

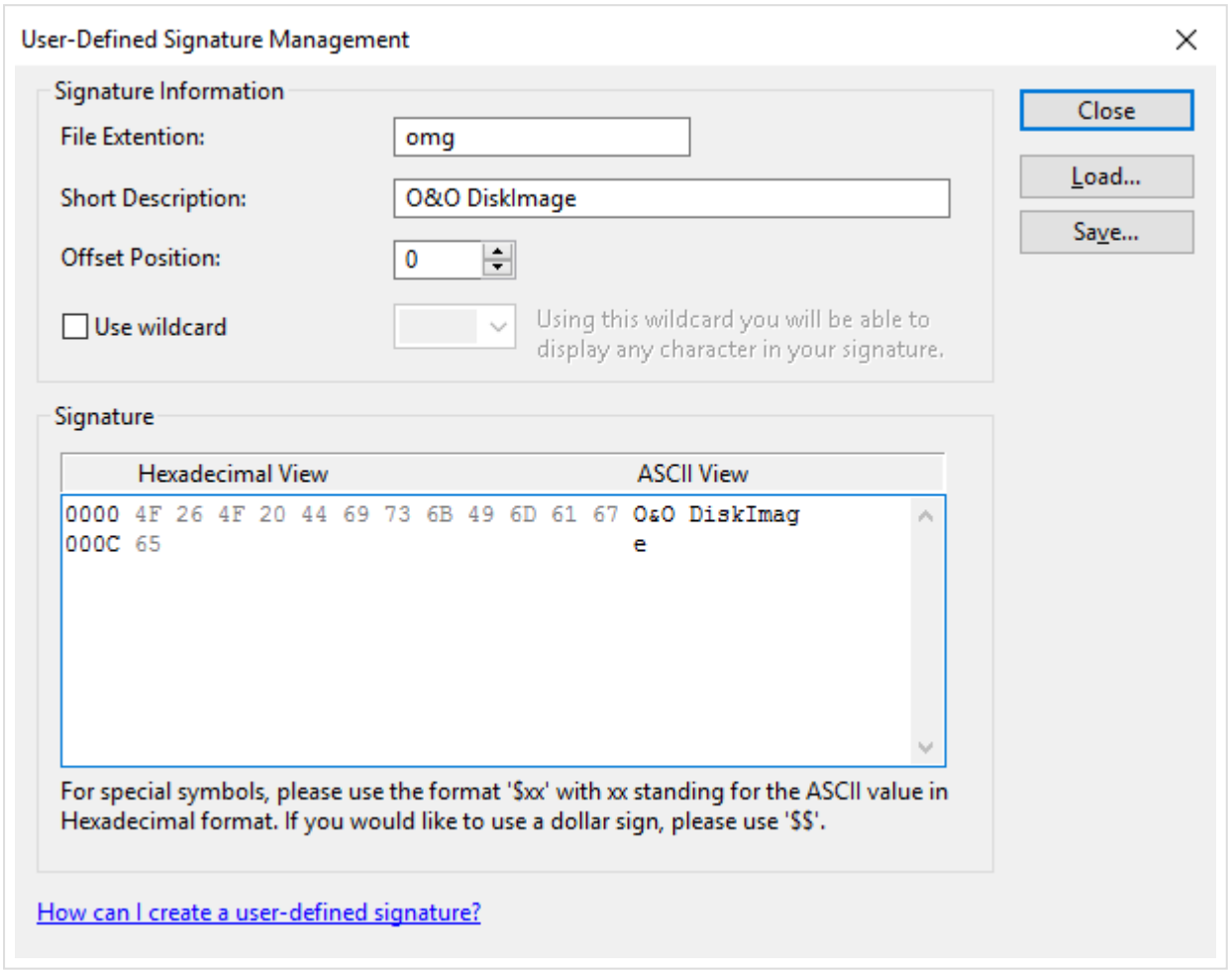
O&O DiskRecovery can recognize over 300 different versions of file types. A complete list of these file types can be found in the section entitled **List of Supported file types**

Moreover, you have the ability of adding your own signatures. O&O DiskRecovery can use these user-defined signatures for its scan.

If you notice an important file type is missing from the current list and should be included, please give us three examples of this file type with a short explanation and send them to support@oo-software.com. We will then incorporate this file type into the new version of O&O DiskRecovery. Please note that we are not liable for any data sent to us. If you have any questions regarding this, please feel free to contact our Technical Support.

Add your own signatures

O&O DiskRecovery can recognize and process over 350 file types when analyzing and recovering your files. Should the file type your are looking for not be included, you have the additional option of creating a user-defined signature for that particular type. That way the program will take that file signature into account when carrying out a search and rescue.



After starting O&O DiskRecovery you can open the dialog box to add your own user-defined signature.

After the dialog box appears, please enter the File Extension for the new signature (e.g. DOC for a Word document). In the Short Description, you may enter a small narrative regarding this file type.

The Start Position defines the offset of the signature calculated from the beginning of the file. For instance, if the signature is to begin from the third character, then enter a 3 here. Otherwise, enter 0 when the signature is to stand at the beginning of the file.

The use of place holders is also a possibility while defining a signature. A place holder stands for any user-defined character in the signature. For this, you need to activate **Use Place holders**. Afterwards you can define "?", "*", or any other character as your place holder.

In the field labeled Signature you can enter the distinct character chain that is used to identify the file type. This can be entered using any ASCII characters. If you would like to enter a special character that can not be expressed through normal text, enter a dollar sign instead. Following the Dollar sign enter a two-digit Hex value in place of the character. For example, if you would like to add a line break (Carriage Return corresponding to ASCII Code 13), then you would have to enter '$0D'. Entering a '$$' will produce an actual Dollar sign.

It is also possible to enter Hexadecimal Values. For non-displayable characters it is recommend using only Hexadecimal values.

To create a signature you need a HEX Editor and three different examples of the file type you wish to search and recover.

:::tip

If you don’t have a HEX Editor installed on your PC you can find various free versions to download from the internet..

:::

After you have finished entering the signature, it is necessary that you save it. Please note that all user-defined signatures must be saved either to the O&O DiskRecovery program folder or to your 'My Documents' folder for them to be found and loaded when the program starts.

If you would like to change a signature already created and incorporated into O&O DiskRecovery, simply load the desired signature and save it again with the desired changes.

Below you will find an example for how to create a file signature for the file type OMG, an image file from our backup software O&O DiskImage.

1. Open your example files next to one another in the HEX Editor so that you can compare them better.
2. Compare the displayed HEX Codes from the three files and look out for identical codes. These codes can then be used as a signature.
3. Now open parallel to the HEX Editor our file recovery software O&O DiskRecovery and select on the start page the option “Create user defined signatures”.
4. Assign an appropriate file ending for the file signature you wish to create and enter it in the field “File Extension”.
5. Now enter the selected string of characters which was identical with your three example files into the Signature window. In our experience the best length is between ten and fifteen pairs of characters.
6. Once you have entered the signature click on “Save“. So that the file signature is automatically recognized, save it direct to the installation folder in O&O DiskRecovery. It will then be automatically taken into account in every future file recovery run.

Load signatures automatically {#load-signatures-automatically}

When O&O DiskRecovery opens, it automatically loads all user-defined signatures and adds them to its overall list of file types. Please note that all user-defined signatures must be located in either the O&O DiskRecovery program folder or in the 'My Documents' folder for the program to be able to successfully detect and load them.

If you have your own signature with an extension that either already exists in the master list of file signatures or has already been loaded in the past, it will not be loaded again and an error message will inform you of this.

Supported file types

File extensions	Description	Publisher	File group
123	Lotus 123 File	Lotus	Office Document
12M	Lotus 123 Master	Lotus	Office Document
3DA	Crystal Reports File	Crystal Decisions	Document
3GP	3GP Multimedia Container Format	Third Generation Partnership Project (3GPP)	Film
3TF	Crystal Reports File	Crystal Decisions	Document
3WS	Crystal Reports File	Crystal Decisions	Document
7Z	7-Zip Archive	Igor Pawlow	Archive
ACCDB	Access 2007	Microsoft	Data base
ACE	ACE File	e-Merge	Archive
ACM	Windows System File	Microsoft	Application
ACP	Arcon Project File	TriCAD	Miscellaneous
ADP	Access Project	Microsoft	Data base
ADT	Fax File Format	AdTech	Application
AFM	Adobe Font Metrics	Adobe	Application
AI	Adobe Illustrator Format	Adobe	Graphic
AIF	QuickTime File	Apple	Movies
AM	Sound File Format		Audio
ANI	Animated Pointer	Microsoft	Graphic
API	Acrobat Plug-In	Adobe	Application
APK	Android Application Package File	Google	Application
ARJ	ARJ Archive Format	ARC Software Inc.	Archive
ARX	ARX Prozess		Miscellaneous

File extensions	Description	Publisher	File group
ASF	Advanced Streaming Format	Microsoft	Movies
ASMX	ASP.NET Webservices Source	Microsoft	Application
AU	Sound Player File	Sun Microsystems	Audio
AVI	Audio Video Interlaced File	Microsoft	Movies
AW	Answer Wizard File	Microsoft	Application
AX	Windows System File	Microsoft	Application
BIN	Binary File Format	Microsoft	Application
BKF	WindowsXP Backup Utility Backup Set	Microsoft	Application
BLD	3D Home Architect	3D Home	Graphic
BMP	Windows Bitmap	Microsoft	Graphic
BOO	FrameMaker Format	Adobe	Graphic
BQY	BrioQuery File	Brio Technology	Data base
BRK	BRK File Format	Adobe	General
BTR	Btrieve Database File	Pervasive Software	Data base
CAB	Windows Cabinet Archive	Microsoft	Archive
CAL	CAL File Format		General
CAP	Concept16 Database File	Vectorsoft	Data base
CDR	Corel Draw 8/9/10/11/12/X3	Corel	Graphic
CDT	Corel Draw Template File	Corel	Graphic
CHM	Compiled Help File Format	Microsoft	Application
CHQ	Help Combined Full-text Search File	Microsoft	Application
CIFF	CIFF Format	Canon	Digital camera RAW-Format
CLA	Java Class File	Sun Microsystems	Document
CLP	Windows Clipboard Format	Microsoft	Graphic

File extensions	Description	Publisher	File group
CLS	JavaScript Class	Sun	Document
CLY	ACT!Layout	Best Software CRM Division	Document
CMX	Corel Clipart	Corel	Graphic
CNT	Windows Help File Content	Microsoft	Application
CNV	Text Converter File	Microsoft	Application
CONT	Contax Raw Format	Contax	Digital camera RAW-Format
CPI	International Code Page	Microsoft	Application
CPL	Control Panel File	Microsoft	Application
CPP	C/C++ Source Code File		Text
CPT	Photo-Paint Image	Corel	Graphic
CR2	CR2 Format	Canon	Digital camera RAW-Format
CRAFT	Serif CraftArtist	Serif	Graphic
CTM	CTM File Format	CTM Development	General
CUE	CUE File Format		General
CUR	Cursor File Format	Microsoft	Graphic
DB	Paradox Database	Borland	Data base
DBS	DBS Library		Archive
DBX	Outlook Express E-mail Folder	Microsoft	Mail
DBx	Microsoft Picture Catalog	Microsoft	Graphic
DCM	DICOM Medical Imaging Data		Graphic
DCR	Shockwave Director File	Macromedia	Graphic
DIB	Device-Independent Bitmap graphics	Microsoft	Graphic
DICM	Digital Imaging and Communications in Medicine (DICOM)	DICOM	Graphic

File extensions	Description	Publisher	File group
DIT	Windows Active Directory Schema	Microsoft	Application
DLL	Dynamic Link Library	Microsoft	Application
DOC	Word 6.0/97/2000/XP/2003	Microsoft	Office Document
DOCX	Word 2007	Microsoft	Office Document
DOT	Word Template	Microsoft	Office Document
DPA	Serif DrawPlus	Serif	Graphic
DPP	Serif DrawPlus	Serif	Graphic
DRD	O&O DiskRecovery Data File	O&O Software	Application
DRF	O&O DiskRecovery Filetype File	O&O Software	Application
DRS	O&O DiskRecovery Signature File	O&O Software	Application
DRV	Windows System Driver	Microsoft	Application
DRW	Micrografx Designer Format	Micrografx	Graphic
DSC	Rollei Raw Format	Rollei	Digital camera RAW-Format
DSG	EOD File	Sierra	Miscellaneous
DSN	ODBC Datasource File	Microsoft	Data base
DUN	DUN File Format	Microsoft	Application
DWG	AutoCAD File Format	Autodesk	Graphic
DXR	Protected Movie File	Macromedia	Movies
ECF	Extension Configuration File	Microsoft	Application
EDB	Exchange Server Database	Microsoft	Data base
ELM	FrontPage Theme-Pack File	Microsoft	Internet/Web
EMF	Windows Enhanced Meta File	Microsoft	Graphic
EML	Mozilla EML		Internet/Web
EPS	Encapsulated Postscript	Adobe	Document

File extensions	Description	Publisher	File group
ETP	Visual Studio .NET Enterprise Template Project	Microsoft	Document
EXE	Executable File	Microsoft	Application
FAE	FAE File Format	Microsoft	General
FDB	Firebird Database File	Firebird	Data base
FH8	Freehand File Format	Macromedia	Graphic
FLA	Flash Movie Authoring File	Macromedia	Movies
FLC	Autodesk Animator File	Autodesk	Graphic
FLT	FLT File Format	Autodesk	General
FMT	FMT File Format	Microsoft	Office Document
FON	Font File	Microsoft	Application
FOV	Foveon Raw Format	Foveon	Digital camera RAW-Format
FP5	Filemaker Pro	Filemaker Inc.	Data base
FPX	FlashPix Format	Kodak	Graphic
FRT	FoxPro File	Microsoft	Data base
FUJI	Fujifilm Raw Format	Fujifilm	Digital camera RAW-Format
GIF	GIF 87a/89a	Compuserve	Graphic
GLY	ACT!Layout	Best Software CRM Division	Application
GMT	ACT!Email Template	Best Software CRM Division	Application
GZ	gzip Archive (Unix)	gzip Org	Archive
HHC	Help File Content	Microsoft	Application
HHP	Help Project File	Microsoft	Application
HLP	Windows Help File	Microsoft	Application
HLX	ATI Radeon Video Driver Support File	ATI	Application

File extensions	Description	Publisher	File group
HQX	BinHex Compressed File	Apple	Application
HRB	HRB File		Miscellaneous
HTM	Hypertext Markup Language	World Wide Web Consortium	Internet/Web
HXI	Help 2 Compiled Help File	Microsoft	Application
HXK	Help 2 Keyword Index	Microsoft	Application
HXS	Help 2 Compiled Help File	Microsoft	Application
HXW	HXW File Format	Microsoft	General
ICC	ICC Profile Format File		Application
ICM	Image Color Matching File	Apple	Application
ICO	Windows Icon File	Microsoft	Graphic
IFF	Deluxe Paint Image	Electronic Arts	Graphic
IME	Global Input Method Editor	Microsoft	Application
IMG	GEM Paint	Digital Research, Inc.	Graphic
IND	Full-Text Search Index File	Microsoft	Application
INDD	InDesign	Adobe	Graphic
ISU	Uninstall Script File	Microsoft	Application
ITS	International Translation File	Microsoft	Application
JP2	JPEG 2000 File	Joint Photographic Experts Group	Graphic
JPG	JPEG	Joint Photographic Experts Group	Graphic
JPG	JPEG (EXIF Format)	Joint Photographic Experts Group	Graphic
JPG	JPEG (JFIF Format)	Joint Photographic Experts Group	Graphic
JPO	unknown		Miscellaneous

File extensions	Description	Publisher	File group
KRYPTER	Krypter 2000	Krypter	Archive
LBL	Label file - dBASE IV/Clipper 5/dBFast	Ashton Tate	Application
LBM	DeluxePaint Bitmap	Electronic Arts	Graphic
LDF	SQL Server Transaction Log File	Microsoft	Data base
LIB	Static Link Library	Microsoft	Application
LNK	Windows Shortcut File	Microsoft	Application
LRCAT	Adobe Photoshop Lightroom Catalog File	Adobe	Graphic
LWP	Lotus WordPro File	Lotus	Office Document
LXA	Office Speech Lexicon File	Microsoft	Application
LZH	SFX Archiver Format	APN Computing	Archive
M4A	MPEG-4 Audio Layer	Moving Pictures Experts Group	Audio
MB	Paradox Database	Borland	Data base
MCD	MathCad File	MathSoft	Document
MDB	Access 97/2000/XP/2003	Microsoft	Data base
MDF	SQL Server Master Database File	Microsoft	Data base
MDZ	Access Wizard Template	Microsoft	Office Document
MFL	MFL File Format	Mozilla	General
MID	MIDI File Format	Microsoft	Audio
MINO	Minolta Raw Format	Minolta	Digital camera RAW-Format
MMAS	MMAS File Format		General
MMAT	MMAT File Format		General
MMMP	MMMP File Format		General
MNY	Microsoft Money Format	Microsoft	Data base
MOD	CAD File	Dassault Systèmes	Graphic

File extensions	Description	Publisher	File group
MOV	Quicktime Movie Format	Apple	Movies
MP3	MPEG 1.0 Layer 3 (V2.0)	Moving Pictures Experts Group	Audio
MPE	Media Player Format	Microsoft	Movies
MPG	MPEG 1 Video	Moving Pictures Experts Group	Movies
MPT	Project Template File	Microsoft	Office Document
MSC	Management Control File	Microsoft	Application
MSI	Microsoft Installer	Microsoft	Archive
MSM	Windows Installer Merge Module	Microsoft	Application
MSP	Microsoft Paint	Microsoft	Graphic
MTS	Advanced Video Coding High Definition (AVCHD)	Panasonic/Sony	Movies
MVP	Serif MoviePlus	Serif	Graphic
MXF	Material Exchange Format (SMPTE 377M)	SMPTE/EBU/AAF	Movies
NCR	NCR Image	NCR	Graphic
NSF	Lotus Notes Database File	Lotus	Data base
NTF	Lotus Notes Template File	Lotus	Data base
O2C	O2C File	mb Software AG	Miscellaneous
OCX	ActiveX Control File	Microsoft	Application
OEB	Outlook Express Database File	Microsoft	Mail
OMG	Image file of O&O DiskImage	O&O Software	Data security
ONE	OneNote 2003	Microsoft	Office Document
OPA	OPA File Format	Psion	General
PACK	Serif CraftArtist	Serif	Graphic
PAL	Palette Format	Microsoft	Graphic

File extensions	Description	Publisher	File group
PBM	Unix Portable Bitmap Graphic	Free Software Foundation	Graphic
PCX	PCX File Format	Zsoft	Graphic
PDB	Visual C++ Program Database File	Microsoft	Application
PDF	Portable Document Format	Adobe	Document
PFB	Font File Format	Adobe	Application
PGM	Portable Graymap Graphic		Graphic
PIC	PC Paint	IBM	Graphic
PIP	Office Personalized Menu and Toolbar	Microsoft	Application
PMD	PageMaker File	Adobe	Document
PNF	Precompiled Setup File Format	Microsoft	Application
PNG	Portable Network Graphics	Free Software Foundation	Graphic
POC	POC File Format	Apple	General
POL	Windows Policy File	Microsoft	Application
POT	PowerPoint Template	Microsoft	Office Document
PPACK	Serif PagePlus	Serif	Graphic
PPD	Printer Description File	Adobe	Application
PPM	PBM Portable Pixelmap Graphic	Free Software Foundation	Graphic
PPP	Serif PagePlus	Serif	Graphic
PPR	PowerPlay OLAP File	Cognos	Data base
PPT	PowerPoint 4.0/97/2000/XP/2003	Microsoft	Office Document
PPTX	PowerPoint 2007	Microsoft	Office Document
PRJ	PRJ File		Miscellaneous
PRT	Schedule+ Print File	Microsoft	Application
PRZ	Freelance Graphics File	Lotus	Office Document

File extensions	Description	Publisher	File group
PS	Postscript	Adobe	Document
PSD	Photoshop Graphic	Adobe	Graphic
PSP	Paint Shop Pro Graphic	Jasc Software, Inc.	Graphic
PST	Outlook 97/98/2000/2002/2003	Microsoft	Mail
PUB	Microsoft Publisher Document	Microsoft	Office Document
PX	Paradox Database Primary Index	Borland	Data base
PXN	Fotoman Raw Format	Logitech	Digital camera RAW-Format
PYC	Python Compiler Script	Bytecode	Document
PYD	Python Dynamic Module	Bytecode	Document
PYI	PowerPlay	Cognos	Miscellaneous
QBW	Quickbooks Data File	Intuit	Data base
QXD	QuarkXpress	Quark	Graphic
QXP	QuarkXpress Project	Quark	Document
RAR	RAR Archive Format	Rarlabs	Archive
RAS	Sun Raster Image	Sun Microsystems	Graphic
RAW	RAW RGB 24-bit Graphic		Graphic
RDF	RDF File Format	Borland	General
REG	Windows RegEdit File	Microsoft	Application
REP	ACT!Report Template	Best Software CRM Division	Application
RESX	NET XML Resource Template	Microsoft	Document
RGB	Silicon Graphics RGB Bitmap	Silicon Graphics	Graphic
RGS	RGS File Format	Microsoft	General
RLE	Run Length Encoded Bitmap		Graphic
RLL	SQL Server Resource Library	Microsoft	Data base

File extensions	Description	Publisher	File group
RM	RealPlayer File	RealNetworks	Audio
RMI	MIDI Sequence File	Microsoft	Audio
RTD	Render File	Ragtime	Graphic
RTF	Rich Text Format		Document
RTM	RTM File Format		General
SAP	Serif AlbumPlus	Serif	Graphic
SBP	Serif Digital Scrapbook Artist	Serif	Graphic
SCR	Windows Screensaver	Microsoft	Application
SCT	SciTex Continuous Tone	Kodak	Graphic
SDB	Windows Compatibility Solution Database	Microsoft	Application
SDY	Starmoney File	Starmoney	Document
SFL	SFL File Format	Intellifont	General
SKF	AutoSketch File	Autodesk	Graphic
SLN	Visual Studio .NET Solution	Microsoft	Document
SNK	SNK File Format	Microsoft	General
SOR	SnapShot File	Microsoft	Archive
SPP	Serif Photo Plus	Serif	Graphic
SQLT	SQLite Database File	SQLite Team	Data base
STY	STY File Format	Microsoft	General
SUO	Visual Studio Solution User Options	Microsoft	Document
SWF	Shockwave Flash File	Macromedia	Movies
SXC	OpenOffice Spreadsheet	OpenOffice.org	Office Document
SXD	OpenOffice Drawing	OpenOffice.org	Office Document
SXI	OpenOffice Presentation	OpenOffice.org	Office Document

File extensions	Description	Publisher	File group
SXW	OpenOffice Text Document	OpenOffice.org	Office Document
SYS	Windows System File	Microsoft	Application
TAR	TAR Archive	Free Software Foundation	Archive
TGA	Truevision Targa Graphic		Graphic
TIF	Tagged Image File Format	Adobe	Graphic
TOC	Eudora File	Qualcomm	Document
TPL	ACT!Document Template	Best Software CRM Division	Application
TSP	TSP File Format	Microsoft	General
TST2	Test	O&O	User-defined
TTF	TrueType Font	Microsoft	Application
TXT	Text File		Text
TXT	UTF-8 Text File		Text
TXT	Unicode Text File		Text
TXT	Unicode Text File (Big Endian)		Text
UPP	UPP File Format		General
USER	USER File Format		General
VB	Visual Basic File	Microsoft	Application
VBP	Visual Basic Project	Microsoft	Document
VMC	Virtual PC Virtual Machine	Microsoft	Application
VMDK	VMware Virtual Disk File	VMware	Application
VMG	Nokia SMS	Nokia	Miscellaneous
VMX	VMware Image File	VMware	Application
VOB	DVD Video Movie File	Moving Pictures Experts Group	Movies
VRD	Visio Resource File	Microsoft	Office Document

File extensions	Description	Publisher	File group
VSD	Microsoft Visio Document	Microsoft	Office Document
VSS	Visio Stencil	Microsoft	Office Document
VST	Visio Template	Microsoft	Office Document
VSZ	Visual Studio Extension	Microsoft	Application
WAB	Outlook Address Book	Microsoft	Mail
WAV	Windows Audio	Microsoft	Audio
WBD	Microsoft Works Database	Microsoft	Office Document
WBMP	Wireless Bitmap File Format		Graphic
WFA	"Symantec WinFax PRO Document"	Symantec	Document
WID	WID File Format	Ventura	General
WIM	WIM File Format	Microsoft	General
WIZ	Word Wizard File	Microsoft	Application
WK3	Lotus 123 File (V3.0)	Lotus	Office Document
WK4	Lotus 123 File (V4.0)	Lotus	Office Document
WKS	Microsoft Works	Microsoft	Office Document
WMA	Windows Media Audio File	Microsoft	Audio
WMF	Windows Metafile Format	Microsoft	Graphic
WMV	Windows Audio/Movie File	Microsoft	Movies
WPACK	Serif WebPlus	Serif	Graphic
WPD	WordPerfect Document	Corel	Office Document
WPG	WordPerfect Bitmap/Vector	Corel	Graphic
WPL	Windows Media Player Playlist	Microsoft	Application
WPP	Serif WebPlus	Serif	Graphic
WRI	Windows Write File	Microsoft	Document

File extensions	Description	Publisher	File group
XBM	X Bitmap Graphic		Graphic
XGn	Paradox Database Secondary Index	Borland	Data base
XLA	Excel Add-in	Microsoft	Application
XLS	Excel 5.0/97/2000/XP/2003	Microsoft	Office Document
XLSX	Excel 2007	Microsoft	Office Document
XLT	Excel Template	Microsoft	Office Document
XML	XML File	World Wide Web Consortium	Internet/Web
XPG	XPG File Format		General
XPM	X Picsmap Graphic		Graphic
XPT	XPT File Format		General
XSN	XSN File Format		General
XWD	XWD File Format	Microsoft	General
Xnn	Paradox Database Secondary Index	Borland	Data base
YGn	Paradox Database Secondary Index	Borland	Data base
Ynn	Paradox Database Secondary Index	Borland	Data base
ZIC	Zooimage		Text
ZIP	ZIP Archive	Winzip	Archive
ZOO	ZOO 2.00/2.10		Archive

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The preview feature can display the following data types: BMP, CNT, ECF, GIF, ICO, JP2, JPG, PCX, PNG, PSP, REG, SLN, TGA, TIF, TXT, VB, VBZ, WMF, XML, XPM.

Support and more from O&O

O&O Software support helps with questions and problems concerning O&O DiskRecovery 12.

Contact support

Open O&O Software support. Include:

- The version and edition of O&O DiskRecovery.
- The Windows version of your computer.
- The drive you searched (type and file system) and how the files were lost.
- The search method you used and the complete error message, if any.

Never send passwords or license keys. O&O support does not need them.

Licensing and updates

O&O DiskRecovery is commercial software. You can try it during the trial period; continued use requires a valid license. See Installation and licensing. Information on the current version is available on the O&O DiskRecovery product page.

More from O&O

Product	Purpose
O&O DiskImage	Backup and recovery of drives and complete systems
O&O SafeErase	Secure deletion of files, drives and entire computers
O&O Defrag	Storage optimization for PCs and servers
O&O BlueCon	Repair and recovery of Windows systems that no longer start

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