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O&O DiskRecovery



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About O&O DiskRecovery

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

Important!

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.

Important!

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.

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 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
- Professional Edition: Windows® 7 till Windows® 10 (all Editions)
- Admin/Tech Edition: Windows Server 2008, 2008 R2, 2012, 2012 R2, 2016, 2019 (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.

Getting the right Version to meet your needs?

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.

Important information regarding data restoration

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 as O&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 data. If 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 you should do when data accidentally gets deleted

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.

Preparing 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

Installation, licensing and uninstal

Important

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 Guide of at <http://www.oo-software.com>

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 "l" or enter any empty spaces where they don't belong when entering the license key.

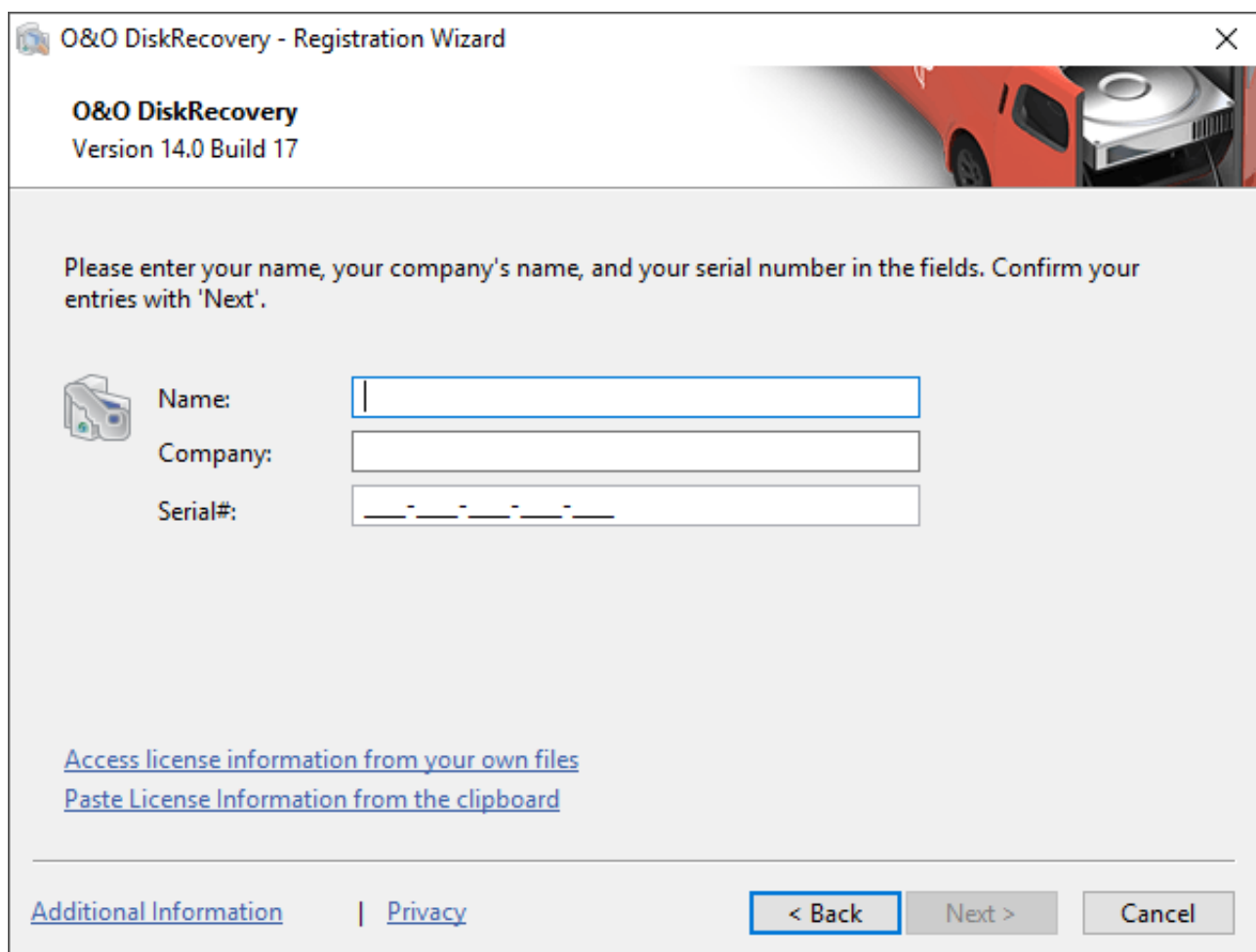
Press **Next** to save the registration data or **Cancel** to leave the dialog window without saving the data.

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.



O&O DiskRecovery - Registration Wizard

O&O DiskRecovery
Version 14.0 Build 17

Please enter your name, your company's name, and your serial number in the fields. Confirm your entries with 'Next'.

Name:

Company:

Serial#:

[Access license information from your own files](#)
[Paste License Information from the clipboard](#)

[Additional Information](#) | [Privacy](#)

Registration wizard: Enter the license key

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

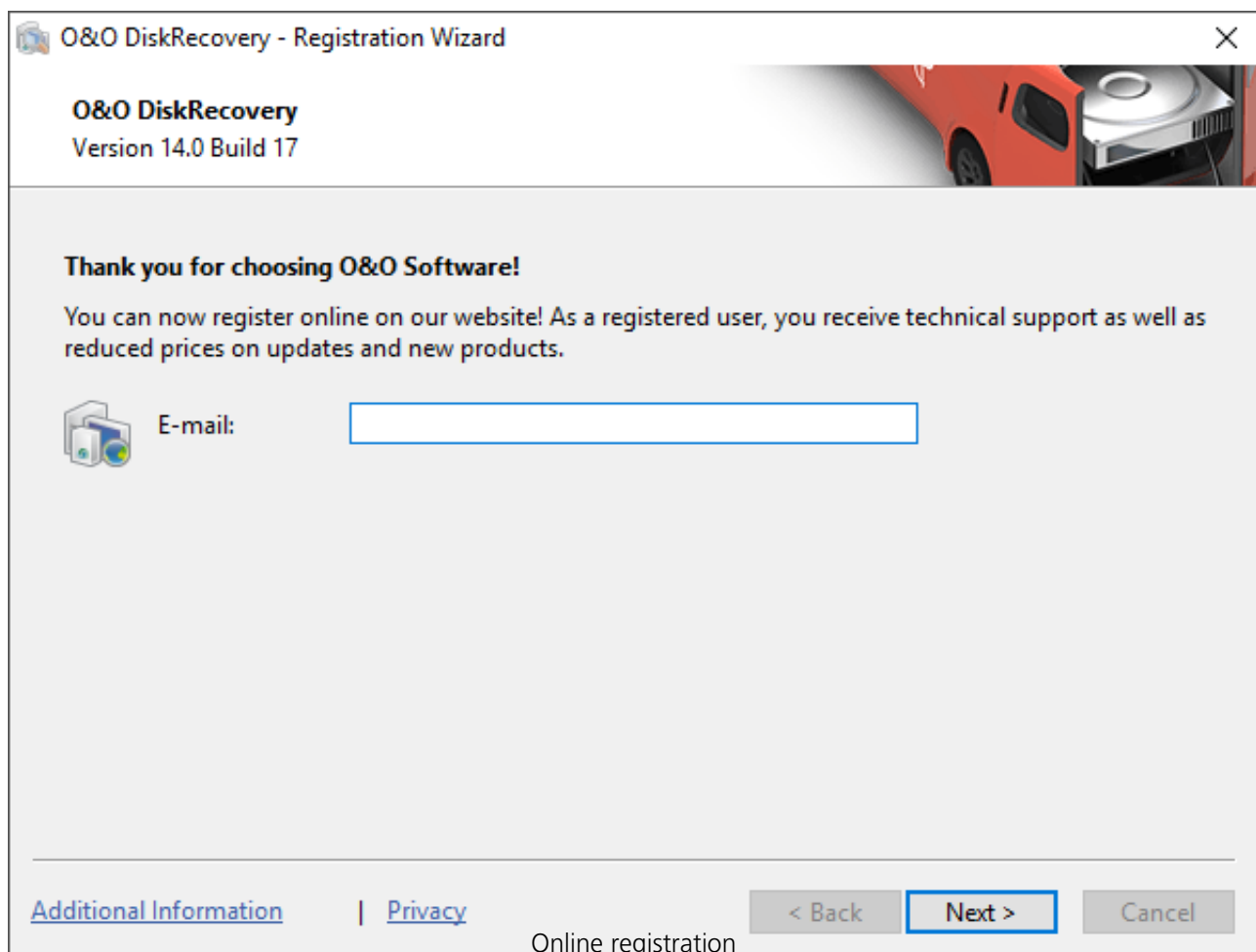
customers, then please contact one of our resellers or our Sales Department.

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

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



O&O DiskRecovery - Registration Wizard

O&O DiskRecovery
Version 14.0 Build 17

Thank you for choosing O&O Software!

You can now register online on our website! As a registered user, you receive technical support as well as reduced prices on updates and new products.

E-mail:

[Additional Information](#) | [Privacy](#)

< Back **Next >** Cancel

Online registration

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

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.

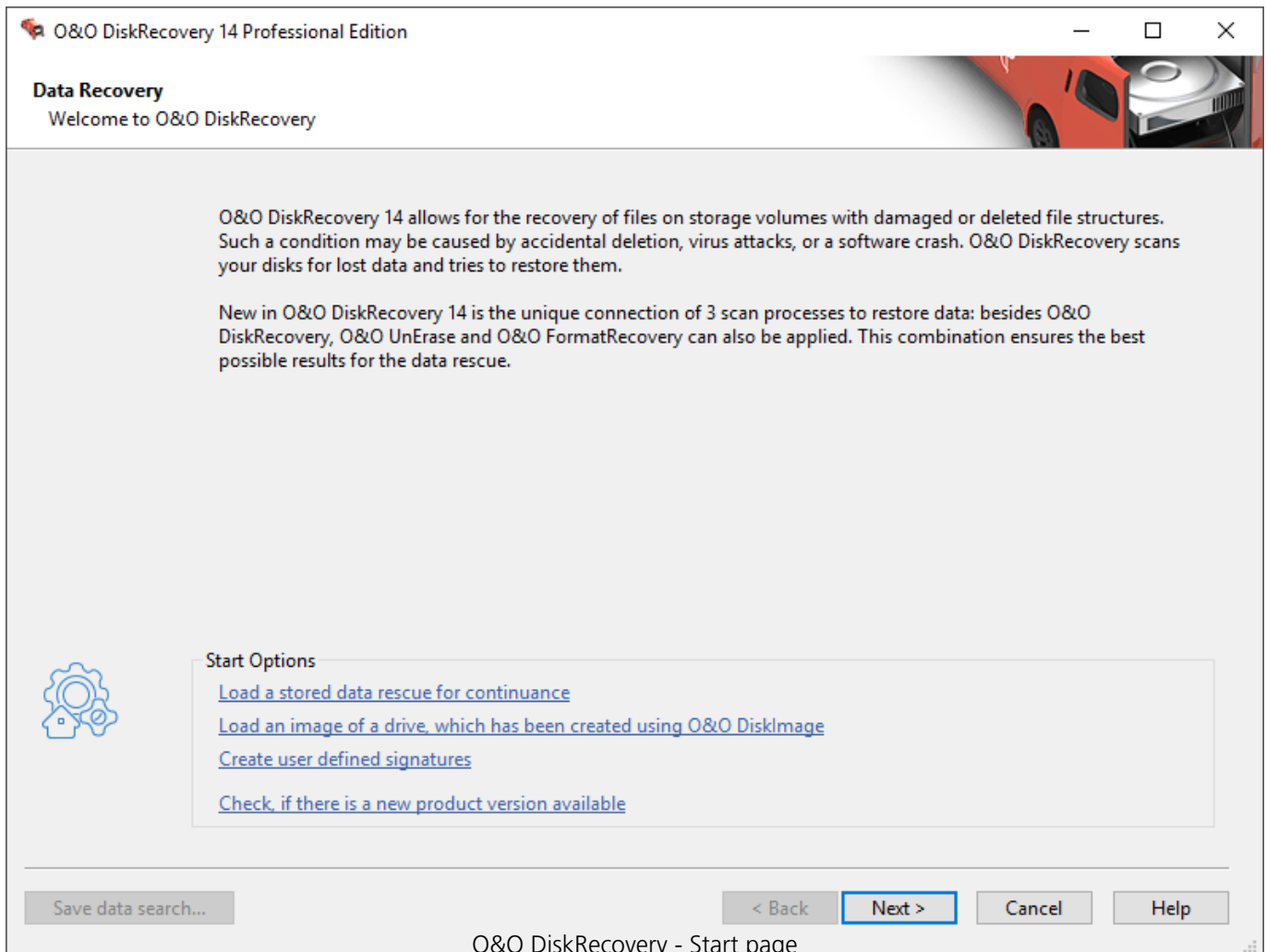
Updates for O&O DiskRecovery

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.

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 BlueCon-CD without needing a bootable Windows operating system! More information on this can be found in the O&O BlueCon user's handbook or at <http://www.oo-software.com>

Getting started

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

Start O&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 **Canceled** 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.

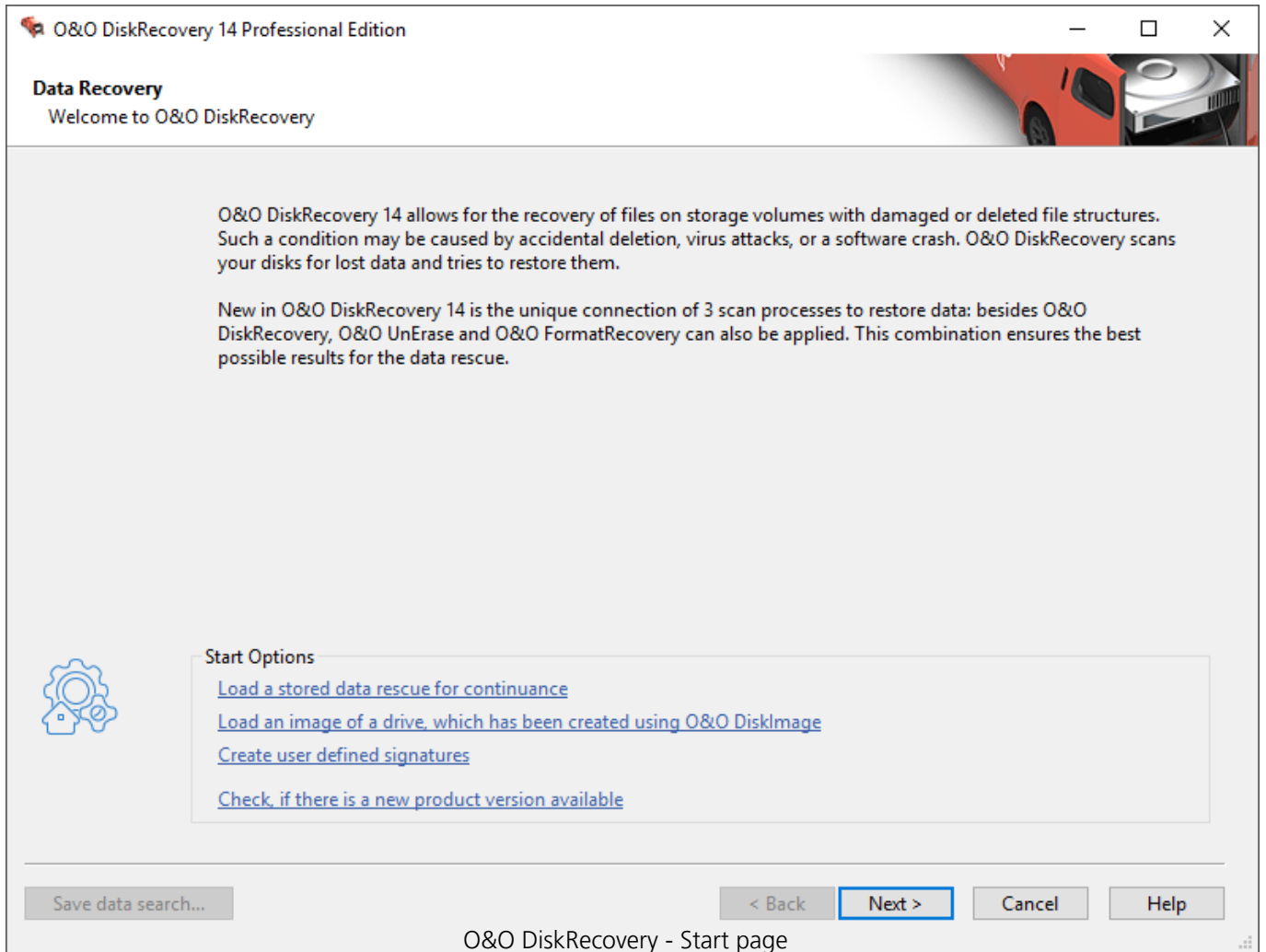
Execute data rescue from an image

Our data imaging program 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.



The screenshot shows the start page of O&O DiskRecovery 14 Professional Edition. The window title is "O&O DiskRecovery 14 Professional Edition". The main heading is "Data Recovery" with the subtitle "Welcome to O&O DiskRecovery". The text explains that the software allows for the recovery of files on storage volumes with damaged or deleted file structures, caused by accidental deletion, virus attacks, or software crashes. It also mentions that the software scans disks for lost data and tries to restore them. A new feature in version 14 is highlighted: the unique connection of 3 scan processes (O&O DiskRecovery, O&O UnErase, and O&O FormatRecovery) to ensure the best possible results for data rescue. Below this text is a "Start Options" section with a gear icon, containing four links: "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", and "Check, if there is a new product version available". At the bottom, there is a "Save data search..." button, a "< Back" button, a "Next >" button (highlighted with a blue border), a "Cancel" button, and a "Help" button. The footer of the window reads "O&O DiskRecovery - Start page".

O&O DiskRecovery 14 Professional Edition

Data Recovery

Welcome to O&O DiskRecovery

O&O DiskRecovery 14 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 14 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

O&O DiskRecovery - Start page

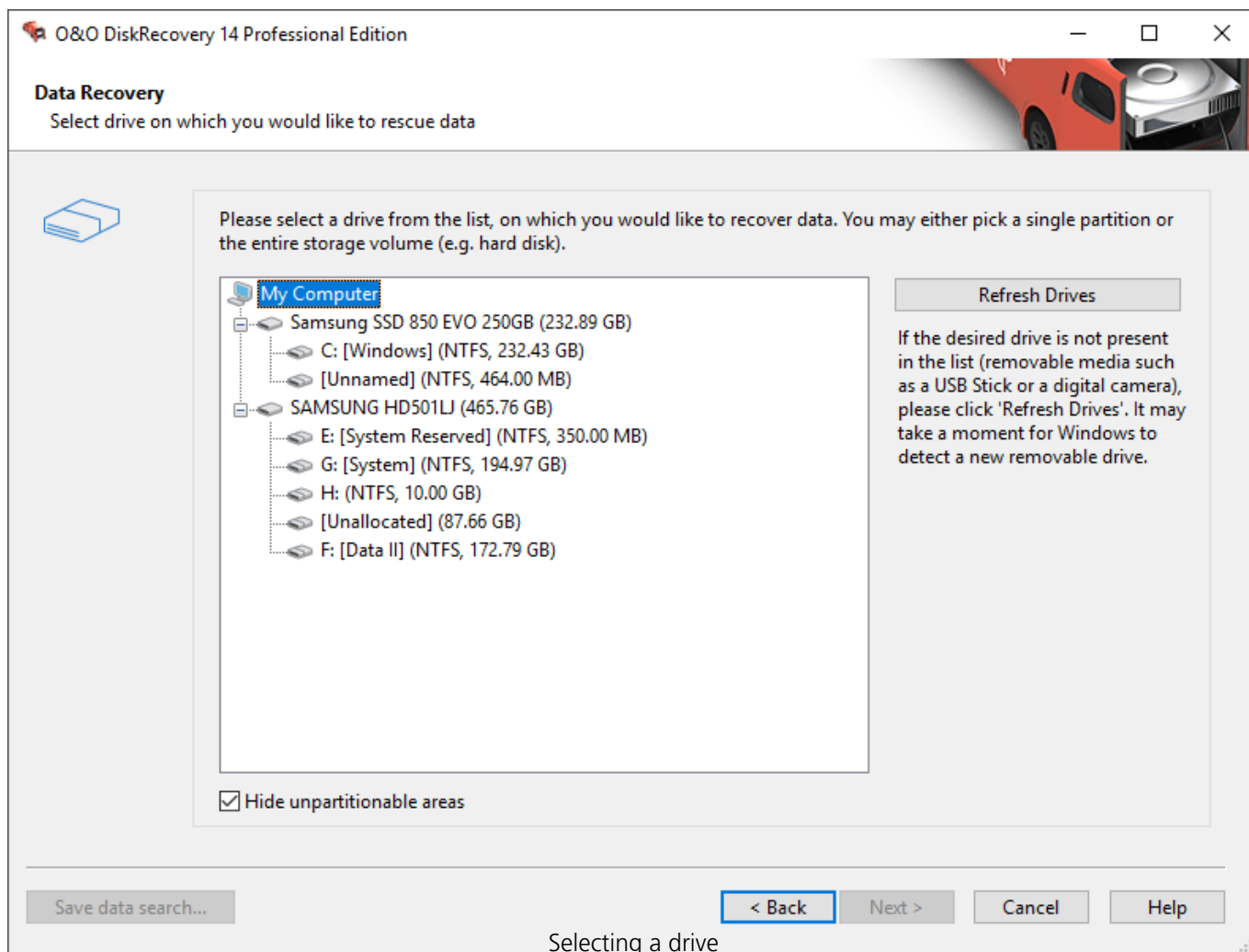
Selecting a drive

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.



Selection of search process

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 is 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.

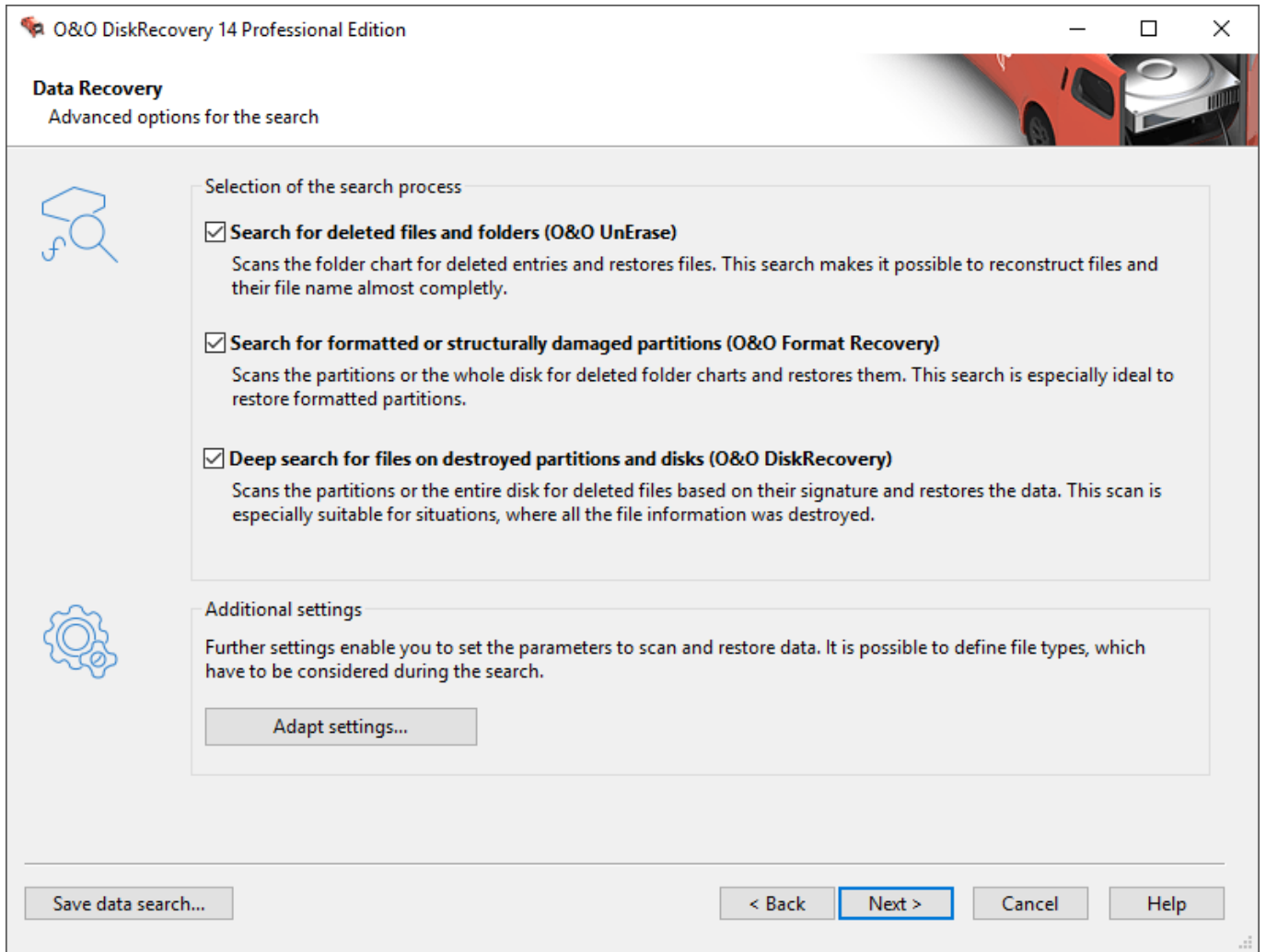
	O&O UnErase	O&O FormatRecovery	O&O DiskRecovery
Files were accidentally deleted from the Recycle bin.			

	O&O UnErase	O&O FormatRecovery	O&O DiskRecovery
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.



Select search technique

Set up settings for the search

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.

Filter for file types

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.

Settings

General File types

File types which are looked for

All known file types
 Only the following selected file types

Filter by file group: (display all)

File Type	Description	File Group	Created by
<input checked="" type="checkbox"/> 123	Lotus 123 File	Office Documents	Lotus
<input checked="" type="checkbox"/> 12M	Lotus 123 Master	Office Documents	Lotus
<input checked="" type="checkbox"/> 3DA	Crystal Reports File	Document	Crystal Decisio...
<input checked="" type="checkbox"/> 3GP	3GP Multimedia Container Format	Movies	Third Generati...
<input checked="" type="checkbox"/> 3TF	Crystal Reports File	Document	Crystal Decisio...
<input checked="" type="checkbox"/> 3WS	Crystal Reports File	Document	Crystal Decisio...
<input checked="" type="checkbox"/> 7Z	7-Zip Archive	Archive	Igor Pawlow
<input checked="" type="checkbox"/> AC3	Dolby Digital Audio Codec 3 File	Sounds	Dolby Digital
<input checked="" type="checkbox"/> ACCDB	Access 2007	Databases	Microsoft
<input checked="" type="checkbox"/> ACE	ACE File	Archive	e-Merge
<input checked="" type="checkbox"/> ACM	Windows System File	Applications	Microsoft
<input checked="" type="checkbox"/> ACP	Arcon Project File	Miscellaneous	TriCAD
<input checked="" type="checkbox"/> ADP	Access Project	Databases	Microsoft

339 of 339 file types selected (339 displayed)

Mark all Select Unselect Load... Save...

File Types and Options OK Cancel Help

Start search

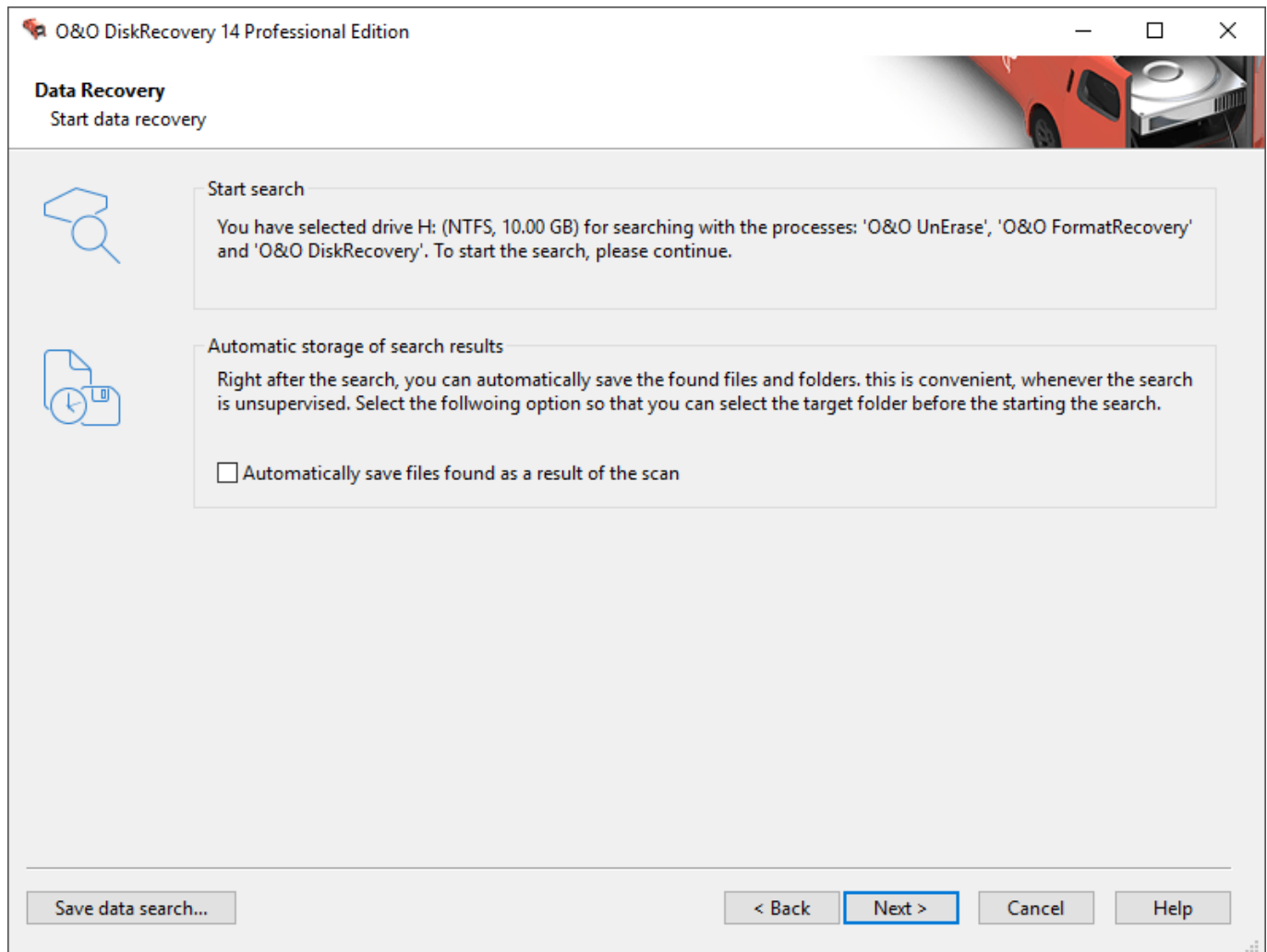
- Click on **Next** to start the search for deleted files.

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.



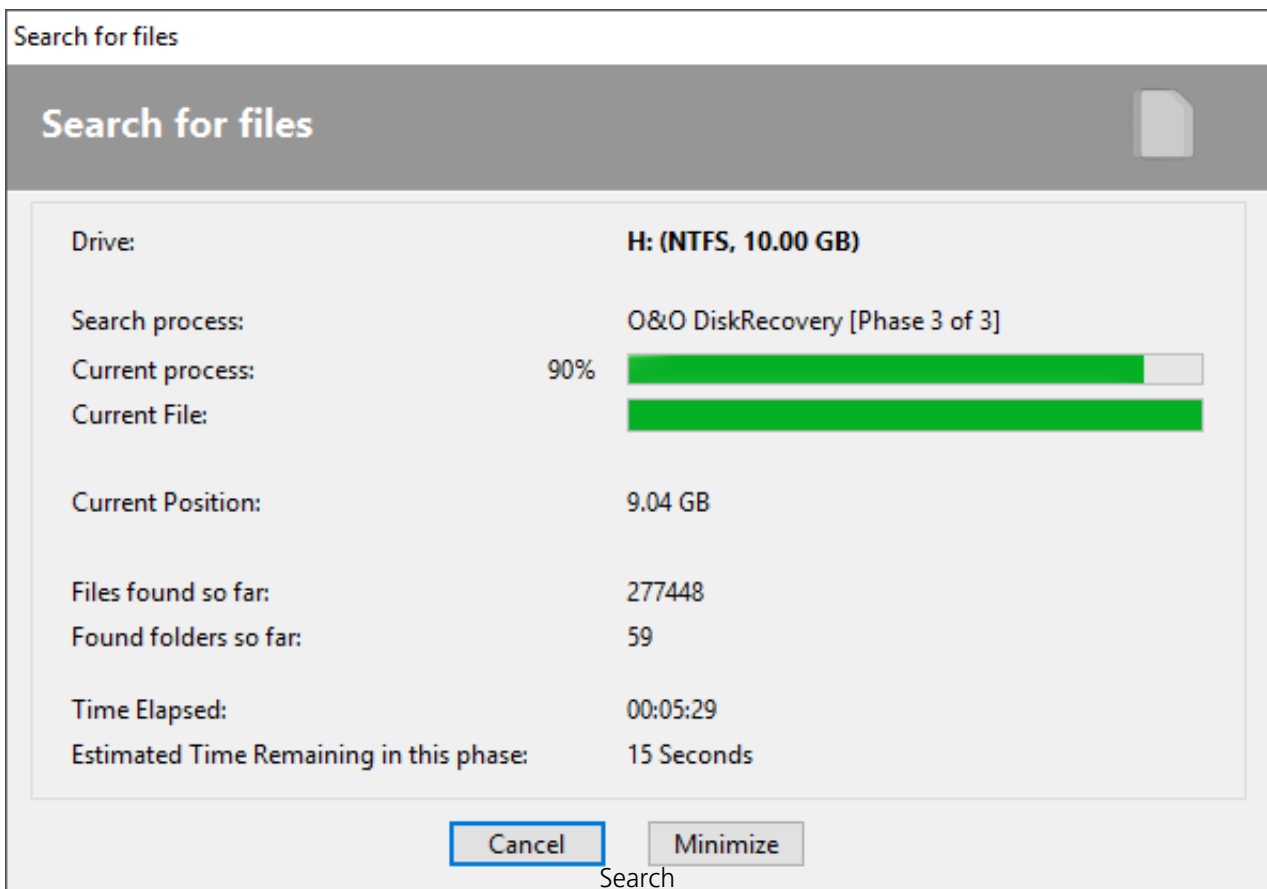
Start Search

Run 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 the estimated time remaining, can also be found here.

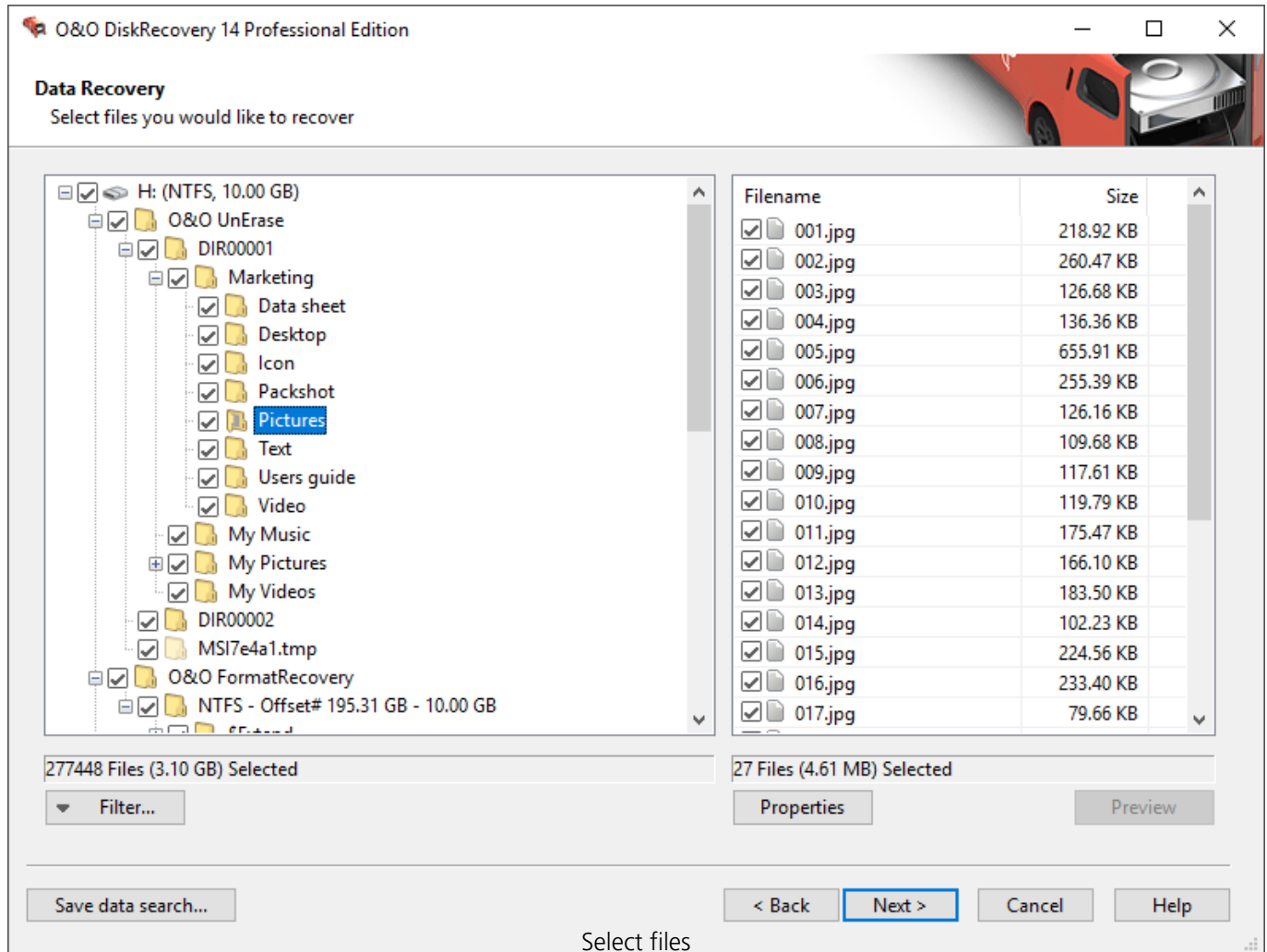
O&O DiskRecovery can be Minimized in to the System Tray. By clicking **Cancel**, you can stop the scan at any time. When the scan is interrupted you will be returned to the previous page of the assistant where you will be given the option of resuming the scan or running it again.



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

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

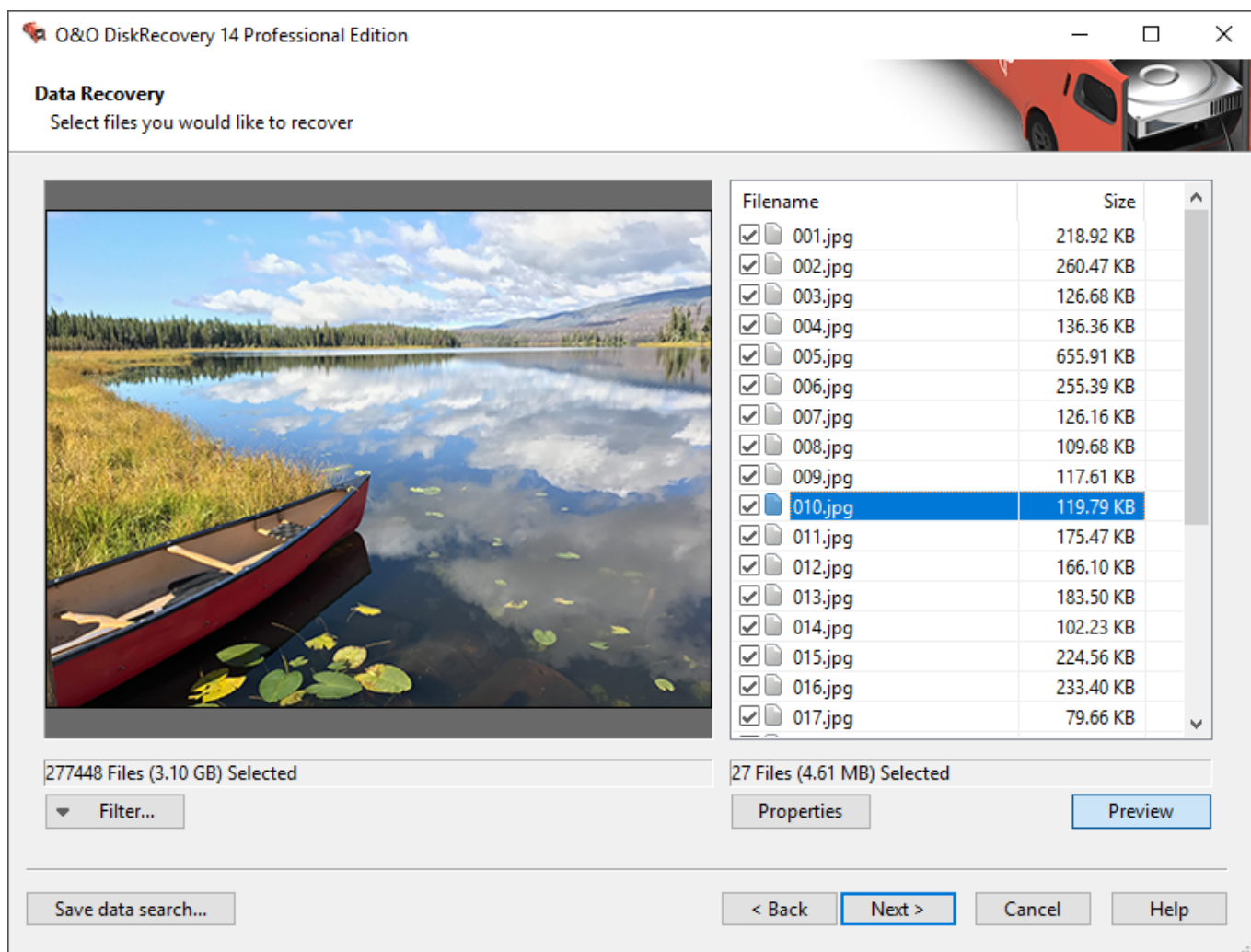
To activate the preview select the file type group on the left and then click on **Preview**. If the button is grayed-out, these types of files cannot be previewed.

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

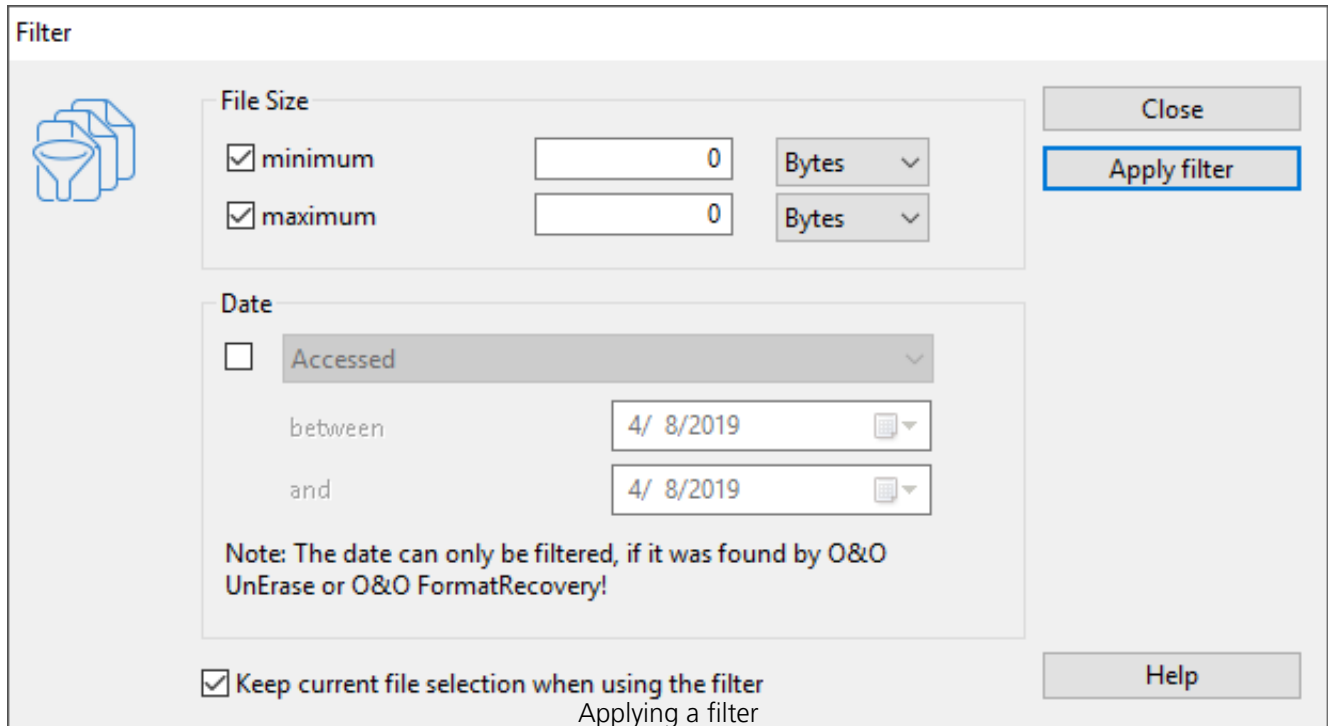
The fact that a preview is not available for some files does not rule out the chance for a successful and flawless restoration of those files. This function should not be seen as a way to judge the quality of a pending restoration, but rather as a means to make the file identification process easier.



Preview function

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.



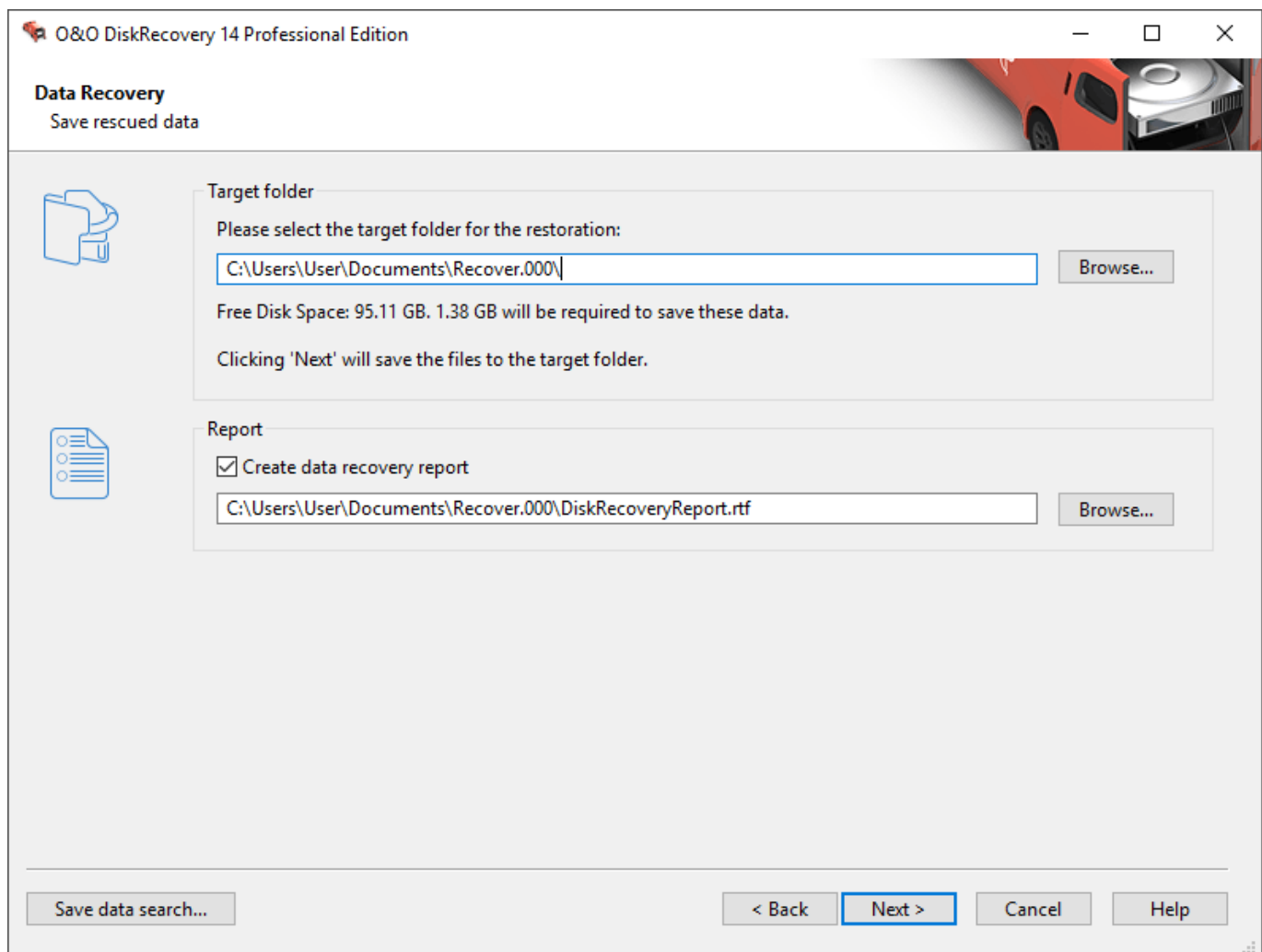
Select target folder

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.



Select target folder for the data rescue

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.

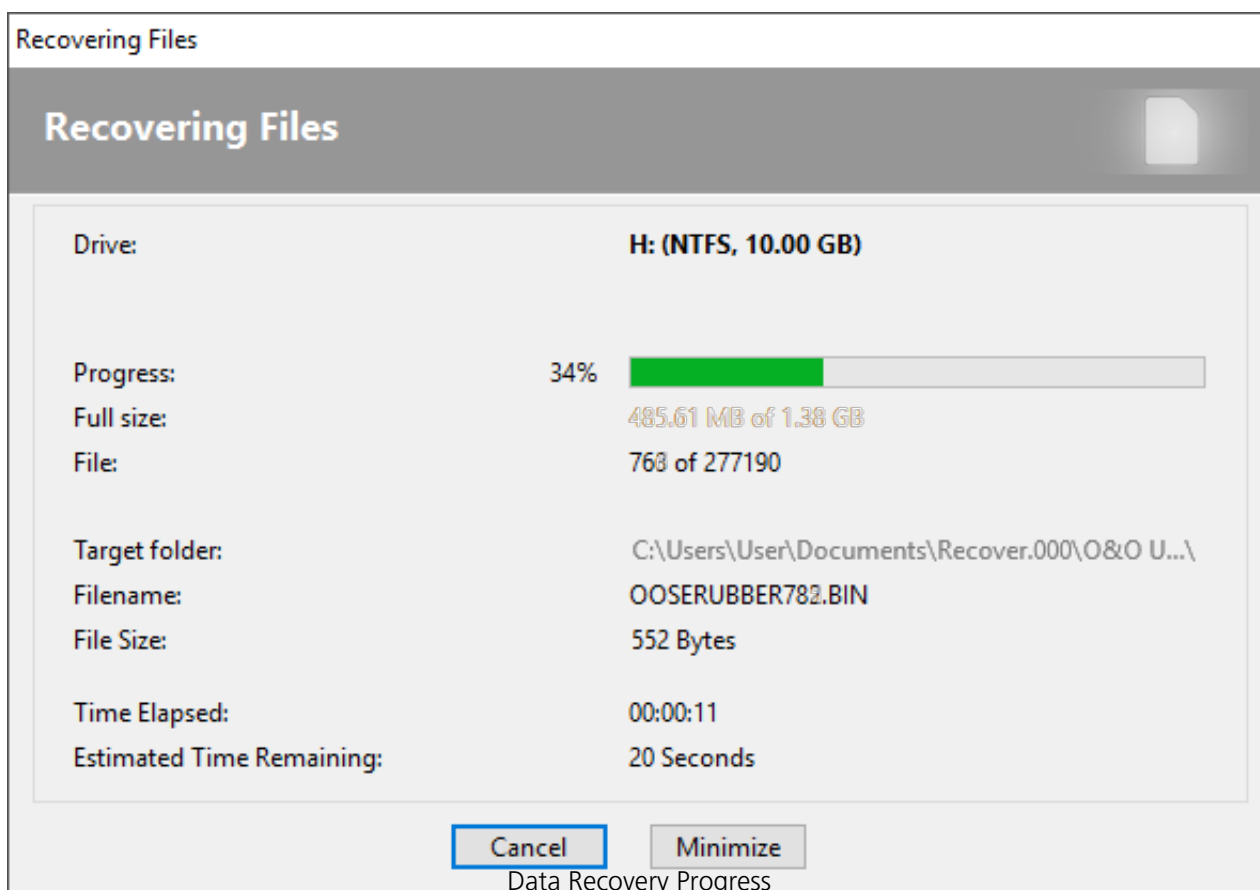
The reports are saved in Rich Text Format (RTF) and can be viewed and printed with the help of applications such as WordPad, Microsoft Word, or any other text editing programs.

Saving 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 the estimated time remaining, can also be found here.

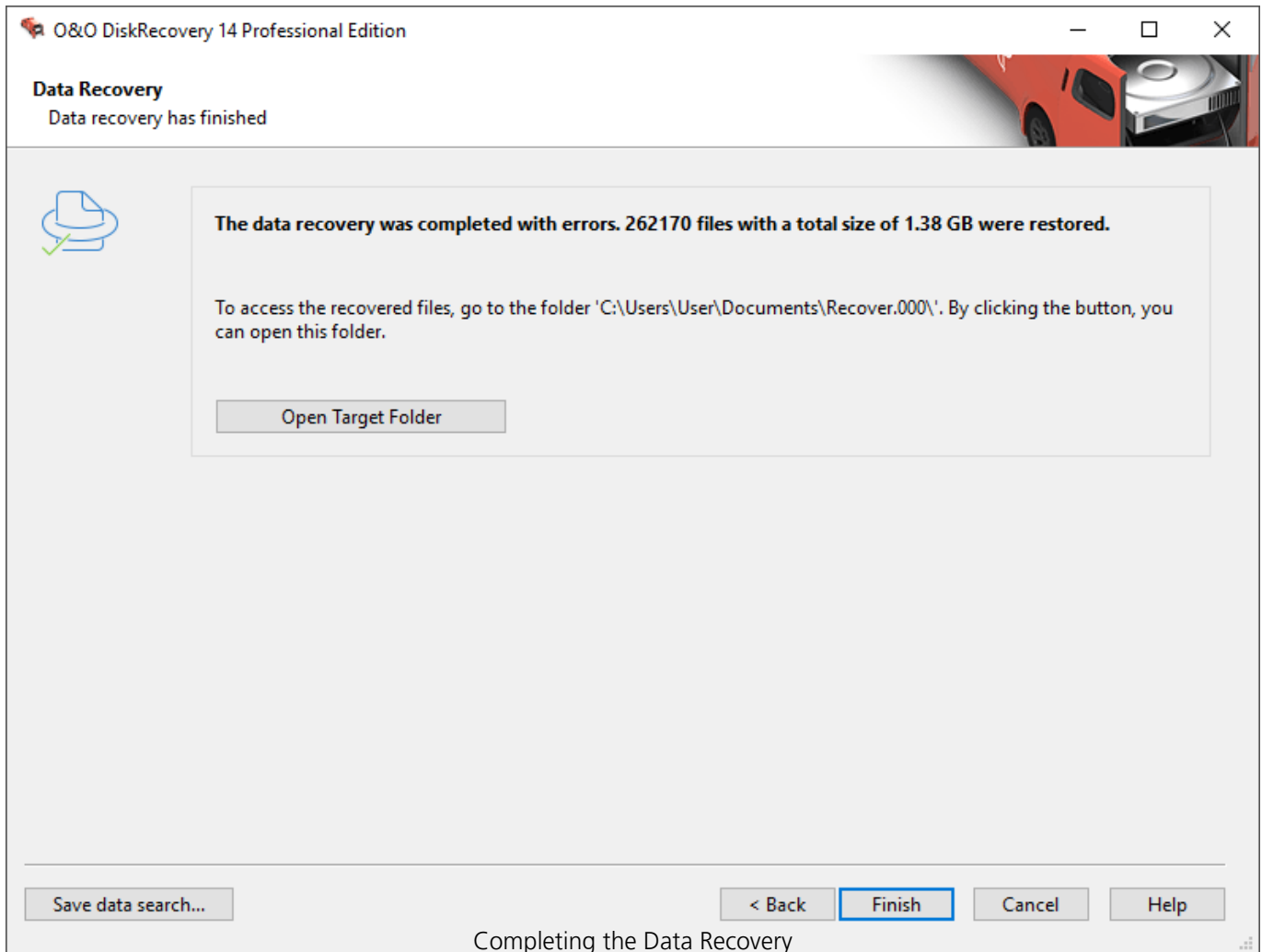
O&O DiskRecovery can be Minimized in to the System Tray. Pressing Cancel will interrupt the saving operation. When the operation is interrupted you will be returned to the previous page of the assistant where you will be given the option of changing the target directory and reselect the files to be recovered. 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.



Completing 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.



Saving a Data Recovery and continuing 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.

List of 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
AC3	Dolby Digital Audio Codec 3 File	Dolby Digital	Audio
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
ASF	Advanced Streaming Format	Microsoft	Movies
ASMX	ASP.NET Webservice Source	Microsoft	Application
AU	Sound Player File	Sun Microsystems	Audio
AUP	Audacity Project File	Dominic Mazzoni, u. a.	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
BLEND	Blender 3D Data File	The Blender	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
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
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
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
FLAC	Free Lossless Audio Codec File	Josh Coalson (Xiph.Org Foundation)	Sound
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
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
KDBX	KeePass Database File	Dominik Reichl	Archive
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
MOV	Quicktime Movie Format	Apple	Movies
MP3	MPEG 1.0 Layer 3 (V2.0)	Moving Pictures Experts Group	Audio
MP4	MPEG-4 Container File		Movie
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
OBK	O&O DiskImage Backup File	O&O Software	Archive
OCX	ActiveX Control File	Microsoft	Application
ODB	OpenOffice Base File	The Apache Software Foundation	Data base
ODF	OpenOffice Formula File	The Apache Software Foundation	Office Document

ODG	OpenOffice Presentation File	The Apache Software Foundation	Office Document
ODS	OpenOffice Calc File	The Apache Software Foundation	Office Document
ODT	OpenOffice Word Processor File	The Apache Software Foundation	Office Document
OEB	Outlook Express Database File	Microsoft	Mail
OGG	Multimedia Container File	Xiph.Org Foundation	Sound
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
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
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
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
SVG	Scalable Vector Graphics File	World Wide Web Consortium (W3C)	Graphic
SVGZ	Scalable Vector Graphics File (Compressed)	World Wide Web Consortium (W3C)	Graphic
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
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
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
XBM	X Bitmap Graphic		Graphic
XCF	GIMP File (eXperimental Computing Facility)	GIMP Team	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 Pixmap 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

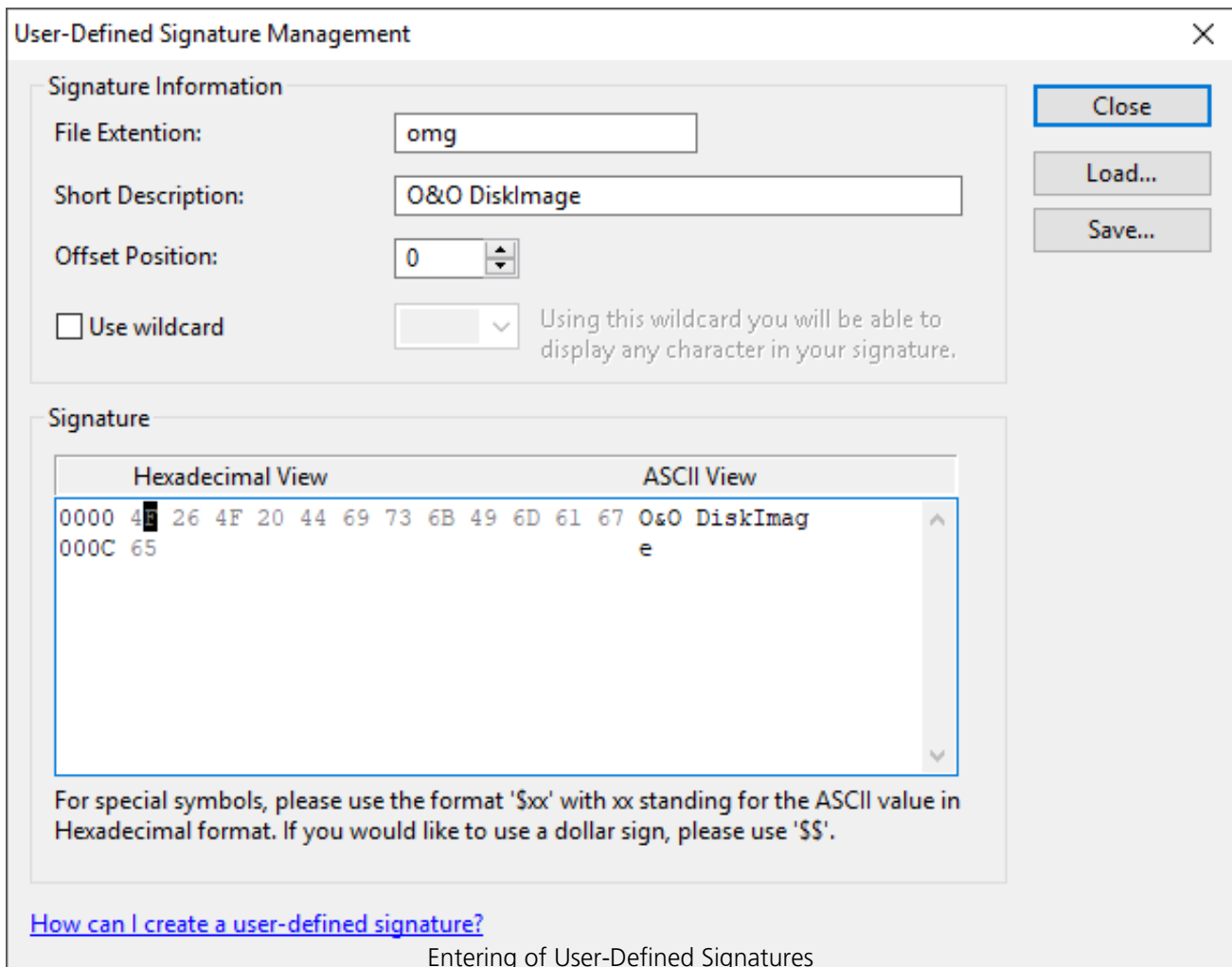
The listed company and product names are trademarks of the corresponding owner.

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.

Adding Your Own Signatures

O&O DiskRecovery can recognize and process over 350 file types when analyzing and recovering your files. Should the file type you 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.

Automatically Loading Signatures

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.

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

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 **Additional 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

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 **Additional settings/Adapt settings/General**. This option is set by default.

Leaving out file system with O&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.

Starting O&O DiskRecovery Without Prior 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 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

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.

End user license agreement

O&O Software GmbH

End User License Agreement 5.3 (EULA)

GENERAL SECTION and SPECIALIZED SECTION

GENERAL SECTION

IMPORTANT - PLEASE READ CAREFULLY

This End User License Agreement (EULA) is organized into 2 sections: a general part, which is valid for all O&O products, and a specialized part, which includes the particular terms of each corresponding product. By accepting both parts of the license terms they automatically form part of your contract with O&O Software, Am Borsigturm 48, 13507 Berlin.

Once accepted, these license terms will become part of your contract with O&O Software, Am Borsigturm 48, 13507 Berlin.

If you have any questions regarding this contract and the license terms, our Service Team is available to help you under info@oo-software.com. The software product is protected by copyright laws and international copyright contracts as well as other laws and agreements concerning intellectual property.

1. Object and form of delivery

(1) You receive the software covered by the contract in executable for (Binary code) together with the relevant documentation released by O&O according to Section (6).

(2) The software provides the range of functions described in the given documentation. The documentation regarding functionality may be consulted prior to concluding the contract in the internet presentation on the following site www.oo-software.com.

(3) Delivery will be made according to the way in which you have purchased the software, either by having a disk directly handed over, or sent by mail to an address you have supplied, or through the forwarding of a license as well as any required download information to a given E-mail address.

(4) If you are currently receiving updates as part of a maintenance agreement, these will be made available electronically to you for downloading.

(5) Changes to the delivery or E-mail address can only be considered, if they are supplied in writing or by E-mail to the address or E-mail address indicated on www.oo-software.com at least two weeks before delivery of the update.

(6) A printed copy of the documentation will not be included in the delivery. The documentation

consists primarily of electronic aids.

2. Requirements for application (system requirements)

(1) Installation of the software is not part of the agreement.

(2) Depending on the software, there are certain system requirements that must be met in order to use it according to the terms of this contract. These will be defined according to each product in the specialized section of this contract.

3. Rights of use, including test versions, unauthorized transfer, and application

(1) O&O grants you, upon payment of the agreed one-time fee, a permanent, spatially unlimited and non-exclusive right to use the software.

(2) Test versions - if you have installed a test version of one of our products taken from the O&O Website www.oo-software.com, the right of use will be, according to the program, for a limited time only and/or technically restricted.

(3) One copy of the software is entitled to be used on a maximum of one (1) output device /workstation simultaneously.

(4) If you want to use the software on more than one output device/workstation, the rights of use must be extended accordingly. To find out which O&O products are also available as volume licenses, please consult www.oo-software.com. The separate price list concerning O&O Volume Licenses will apply to extending the rights of use without redelivery. A subsequent extension of the rights of use without redelivery does not result in further warranty.

(5) Any use beyond that agreed upon in the contract is one in violation of the contract. In such a case, you are required to report this use that exceeds the rights of use to the supplier without any delay. The parties will then try to bring about an agreement for extending the rights of use. For the duration of the excessive usage, i.e., until the conclusion of such an agreement or the cessation of the excessive usage, you are required to pay compensation for this excessive usage according to the amount indicated in our price lists. The amount of compensation will be calculated on the basis of a four year, straight-line depreciation. If we are not informed of the excessive usage, a contract penalty in the amount three times the price of the usage indicated in the price list will be due to O&O.

(6) You are entitled to create a backup copy of the software and to conduct ordinary data backups. The creation of more copies than the amount needed for the backing up of any future usage (including the backup copies and data backups) is not allowed.

(7) Copyrights and other trademarks within the software may not be altered or removed. They must be transferred onto every copy of the software.

(8) Unauthorized transfer - only when you have purchased the software with an accompanying disk are you permitted to transfer it and then, only under the following conditions: a resale of the software is only permitted when it involves an entire software copy, i.e., by surrendering your own

usage of the purchased copy, you are entitled to transfer these rights of use of the disk onto a third party according to the terms of the agreement existing between you and O&O. When making such a transfer, you are required to hand over to the third party all materials related to the software that are covered in the contract and to delete the software from any storage volumes (e.g., hard disks) remaining in your possession.

(9) Unauthorized rental and service - The purchase of this contract does not entitle you to any public transfer or rental of the software. You are also not entitled to include the software as part of your providing services for and in the presence of any third parties. You may purchase an appropriate license from O&O for doing this.

(10) Prohibition on Reverse Engineering, Decompilation, and Disassembly. You may not reverse engineer, decompile, or disassemble this software except and only to the extent that such activity is expressly permitted by applicable law notwithstanding this limitation.

(11) Compliance with Applicable Laws. You must comply with all applicable laws regarding use of software.

4. Payment

(1) The prices are given with the corresponding sales taxes included, unless otherwise indicated.

(2) Test versions - Downloads of test versions offered by O&O are provided free of charge, unless otherwise indicated.

(3) If you receive updates of your programs as part of a Maintenance Agreement, the terms of payment in these contracts will apply to these Maintenance Agreements.

(4) O&O is entitled to forward any data it has received onto third parties requiring it for purposes of collection.

(5) Until payment is made in full, O&O retains possession of all rights, particularly those concerning copyrighted rights of use, on the materials included in this contract. O&O is specifically entitled to cancel a contract, for example, when your payment is delayed, it prohibits the further using of the software and demands the surrendering of all copies or this being impossible, to demand their deletion. Should a third party have access to the object of purchase before payment is completed for the contractual software, you are required to inform this third party about the object being the property of O&O and to inform O&O, in writing, about the third party's access.

5. Material defect and defect of title

(1) The software package or download you receive is free of any material defect or defect of title.

(2) A material defect exists when the software is unable to be used as described in the documentation appearing on the website www.oo-software.com and included in delivery or available for downloading. O&O is constantly checking to make sure that other sources are not misrepresenting the functions and properties of the software as described in the documentation. You can therefore assume that any descriptions beyond those found in the software

documentation have not originated with O&O and are also unknown to it. Please inform O&O if you learn of any software descriptions that include functions and properties not mentioned in the documentation.

(3) A defect of title exists when, after delivery of the software, the rights needed for using it as stipulated in the contract have not been effectively granted.

(4) Any claims concerning defects of material and/or title related to the software have a limitation period of two years subsequent to delivery of the program or transmission of the serial number needed for downloading. If you are not a private individual, the warranty period is shortened to one year. If O&O has fraudulently concealed a material defect, a three year limitation period will cover claims related to this defect. Payment for compensation that you might have been entitled to as a result of cancellation or an abatement can be refused upon expiration of the limitation period.

(5) You are required to inform O&O, in writing if possible, of any defects that arise immediately upon their discovery. While doing so you should also describe, as well as possible, how the defect is communicated, the effect it has on the program, and under which circumstances it occurs.

(6) Should defects be reported to O&O within the limitation period, it will undertake a cure free of charge.

(7) As part of the cure, the corrected software will be redelivered as agreed. An on-site analysis and correction of the error on your system will not take place. O&O assumes the ensuing expenses for the cure, in particular the costs for transport, labor, and material. You are personally responsible for installation. O&O specifically does not assume on-site installation as part of its obligation with regard to defects of material or title. Should a change of the program be required as part of the cure, O&O will make the necessary changes in the documentation without any charges.

(8) After the unsuccessful expiration of a deadline you set for cure, you can cancel the contract or reduce the purchase price and demand compensation instead of service or the replacement of any futile expenditures.

(9) A deadline is not required when a) O&O refuses both kinds of cure, even if it is entitled to do so as a result of the arising expenses, or b) the cure is impossible, or c) the cure is unacceptable to you, or d) the cure is unsuccessful.

A subsequent improvement is considered a failure after the second unsuccessful attempt, unless there is something particular about the type of software or the defect itself or the surrounding circumstances that would indicate otherwise.

(10) You are not entitled to cancel the contract if the defect is negligible, nor may you, in this event, demand compensation instead of full service.

(11) In the event of cancellation, compensation is due for any uses made. The compensation for use will be based on a four year, straight-line depreciation of the purchase price.

(12) As a result of the abatement, the purchase price will be reduced by the amount which is calculated for deducting the defect from the value of the software. The standard used will be its value at the time the contract was concluded. The amount, when necessary, is to be calculated by estimation. As a result of this reduction, any amount larger than that paid for the reduced purchase price will be refunded.

(13) If it turns out that a reported problem did not arise as a result of a defect in the software, O&O is entitled to invoice you, according to the amount charged in its price lists for such services, the expenses for analysis and correction of the problem if you can be accused of malice or gross negligence.

(14) The seller's warranty is canceled, when changes are made on the software without expressed written consent or when the software is not used as intended or used in an improper software environment, unless you can prove that these facts had nothing to do with the problems that occurred.

6. Limitation of compensation

(1) O&O is liable for compensation for every legal ground to the extent described in the following provisions.

(2) The extent of liability of O&O for damages caused by malice or gross negligence arising from O&O itself or one of its vicarious or legal agents is unlimited.

(3) There is no limit to the extent of liability of O&O or any of its legal or vicarious agents for damages involving injury to life, physical well-being or health, or for simple breach of duty.

(4) There is unlimited liability for damages caused by serious organizational fault on the part of O&O as well as for damages arising from a missing guaranteed characteristic.

(5) For the breach of an essential contractual duty, O&O is liable for damages normally foreseen in a contract when none of the instances in provisions (2) - (4) applies.

(6) Any further liability for compensation is excluded, specifically excluded is liability without fault.

(7) Liability as defined by the product liability law remains untouched.

(8) If damage can be traced to have arisen through a fault on the part of O&O as well as on the part of yourself, you must have your share of the fault evaluated.

You are responsible for making a standard backup of your data at least once a day. For data loss caused by O&O, O&O is only liable for the expense of duplicating the data on your backup copies that need to be created and for the restoration of data, which would have also been lost during a standard backup procedure.

7. Final provisions

(1) You may only balance claims from O&O with indisputable or legally valid claims.

(2) Changes and amendments to this contract must be made in writing. This also applies to changes to this provision.

(3) The contract is subject to German law. The uniform UN purchasing law (CISG) as well as the UNIDROIT Factoring Agreement of Ottawa do not apply.

(4) Any general terms and conditions on your part will not be applied.

(5) This license agreement is subject to the laws of the Federal Republic of Germany. In the event you are not a private individual or a resident of the Federal Republic of Germany, we agree that the district court in Berlin will be the competent court for litigation arising from this contract.

8. Contact

If you have any questions concerning the O&O Software License Agreement or wish to speak with O&O, please get in touch with us.

O&O Software, Am Borsigturm 48, 13507 Berlin, Germany

E-Mail: info@oo-software.com / sales@oo-software.com, Web: www.oo-software.com

SPECIALIZED SECTION

O&O BlueCon

Amendment to: 2. Requirements for application (system requirements)

The software requires Windows Windows Server 2008 (all Editions), Windows 7 (all Editions), Windows Server 2008 R2 (all Editions), Windows 8 (all Editions), Windows Server 2012 (all Editions), Windows Server 2012 R2 (all Editions), Windows 10 (all Editions) or Windows Server 2016 (all Editions) operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems.

The product at hand can only be employed according to the acquired license. The following license types exist for O&O BlueCon:

O&O BlueCon Admin Edition

You are authorized to use the software product on all computers a) in the possession of the company (legal person or natural person(s) in the case of corporations) owning the license and b) all located at a single site. This software product may be used only via the corresponding bootable medium that was either purchased or that you created. Separate installation of the software product itself or any of its components on individual computers is not part of this licensing agreement. This license is bound to a single natural person and is non-transferable.

O&O BlueCon Tech Edition

You are authorized to use the software product on all computers. This includes computers not owned by the company of the licensee (also known as Service Technician's License). This software product may be used only via the corresponding bootable medium that was either purchased or

that you created. Separate installation of the software product itself or any of its components on individual computers is not part of this licensing agreement. This license is bound to a single natural person and is non-transferable.

O&O BuildPE

Important note for working with O&O BuildPE

The program overwrites the target storage volume (these volumes include re-writable CDs or USB Sticks, amongst others). Please therefore make absolutely sure that the target volume does not contain any data that you may still require, as the overwriting of this data cannot be reversed!

O&O formally declares that it is not responsible for damages arising from the improper use of O&O BuildPE.

Amendment to: 2. Requirements for application (system requirements)

The software requires Windows Windows Server 2008 (all Editions), Windows 7 (all Editions), Windows Server 2008 R2 (all Editions), Windows 8 (all Editions), Windows Server 2012 (all Editions), Windows Server 2012 R2 (all Editions) or Windows 10 (all Editions) operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems.

O&O CleverCache

Amendment to: 2. Requirements for application (system requirements)

O&O CleverCache Professional Edition

The software requires Windows 7 (all Editions) operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems.

O&O CleverCache Server Edition

The software requires Windows Server 2008 (all Editions), Windows 7 (all Editions) or Windows Server 2008 R2 (all Editions) operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems.

O&O Defrag

Amendment to: 2. Requirements for application (system requirements)

O&O Defrag Professional Edition

The software requires Windows 7 (all Editions), Windows 8 (all Editions) or Windows 10 (all Editions) operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems. Control of the program through a network management is not possible.

O&O Defrag Workstation Edition

The software requires Windows 7 (all Editions), Windows 8 (all Editions) or Windows 10 (all

Editions) operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems. The O&O Defrag Workstation Edition may be used on computers with or without the user interface. You are entitled to control this program over the separately obtainable network manager.

O&O Defrag Server Edition

The software requires Windows Server 2008 (all Editions), Windows 7 (all Editions), Windows Server 2008 R2 (all Editions), Windows 8 (all Editions), Windows Server 2012 (all Editions), Windows Server 2012 R2 (all Editions), Windows 10 (all Editions) or Windows Server 2016 (all Editions) operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems. The O&O Defrag Server Edition may be used on computers with or without the user interface. You are entitled to control this program over the separately obtainable network manager.

O&O Defrag Virtual Machine Edition

The software may only be used on the appropriate operating system in accordance with the previously mentioned conditions for the Workstation and Server Editions. You must own a minimum of one Server Edition to use a Virtual Machine Edition.

O&O DiskImage

Amendment to: 2. Requirements for application (system requirements)

O&O DiskImage Express Edition

The software requires Windows 7 (all Editions), Windows 8 (all Editions) or Windows 10 (all Editions) operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems. Control of the program through a network management is not possible.

O&O DiskImage Professional and Special Edition

The software requires Windows 7 (all Editions), Windows 8 (all Editions) or Windows 10 (all Editions) operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems. Control of the program through a network management is not possible.

O&O DiskImage Workstation Edition

The software requires Windows 7 (all Editions), Windows 8 (all Editions) or Windows 10 (all Editions) operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems. The O&O DiskImage Workstation Edition may be used on computers with or without the user interface. You are entitled to control this program over the separately obtainable network manager.

O&O DiskImage Server Edition

The software requires Windows Server 2008 (all Editions), Windows 7 (all Editions), Windows Server 2008 R2 (all Editions), Windows 8 (all Editions), Windows Server 2012 (all Editions), Windows Server 2012 R2 (all Editions), Windows 10 (all Editions) or Windows Server 2016 (all Editions)

operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems. The O&O DiskImage Server Edition may be used on computers with or without the user interface. You are entitled to control this program over the separately obtainable network manager.

O&O DiskImage Virtual Machine Edition

The software may only be used on the appropriate operating system in accordance with the previously mentioned conditions for the Workstation and Server Editions. You must own a minimum of one Server Edition to use a Virtual Machine Edition.

Amendment to: 3. Rights of use, including test versions, unauthorized transfer, and application

Creation and restoration of images

The source computer and each target computer are required to hold licenses, to create and restore images using O&O DiskImage. One license is sufficient under the previously mentioned terms, if the source and the target computer is one non-virtual workstation. Each virtual machine is seen as an independent computer; in other words, each virtual machine needs its own license.

O&O DiskRecovery

Amendment to: 2. Requirements for application (system requirements)

The software requires Windows Server 2008 (all Editions), Windows 7 (all Editions), Windows Server 2008 R2 (all Editions), Windows 8 (all Editions), Windows Server 2012 (all Editions), Windows Server 2012 R2 (all Editions), Windows 10 (all Editions) or Windows Server 2016 (all Editions) operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems.

The product at hand can only be used according to its acquired license. The following license types exist for O&O DiskRecovery:

O&O DiskRecovery Professional Edition

You are authorized to install and use the software product on only one computer. This should be used wholly in conjunction with all hardware in your possession, i.e. this license may not be used to provide a service to a third party. Other limitations may apply in the software itself. Please consult the software documentation for more information on these limitations.

O&O DiskRecovery Admin Edition

You are authorized to install and use the software product on all computers a) in the possession of the company (legal person or natural person(s) in the case of corporations) owning the license and b) all located at a single site. This should be used wholly in conjunction with all hardware in your possession, i.e. this license may not be used to provide a service to a third party. This license is bound to a single natural person and is non-transferable.

O&O DiskRecovery Tech Edition

You are authorized to install and use the software product on all computers. This includes computers that do not belong to the company owning the license (also known as Service

Technician's License). This license is bound to a single natural person and is non-transferable.

O&O DiskStat

Amendment to: 2. Requirements for application (system requirements)

O&O DiskStat Professional Edition

The software requires Windows 7 (all Editions) operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems.

O&O DiskStat Workstation Edition

The software requires Windows 7 (all Editions) operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems. The O&O DiskStat Workstation Edition may be used on computers with or without the user interface. You are entitled to control this program over the separately obtainable network manager.

O&O DiskStat Server Edition

The software requires Windows Server 2008 (all Editions), Windows 7 (all Editions) or Windows Server 2008 R2 (all Editions), operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems.

O&O DiskStat Virtual Machine Edition

The software may only be used on the appropriate operating system in accordance with the previously mentioned conditions for the Workstation and Server Editions. You must own a minimum of one Server Edition to use a Virtual Machine Edition.

O&O DriveLED

Amendment to: 2. Requirements for application (system requirements)

O&O DriveLED Professional Edition

The software requires Windows 7 (all Editions) operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems. Control of the program through a network management is not possible.

O&O DriveLED Workstation Edition

The software requires Windows 7 (all Editions) operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems. The O&O DriveLED Workstation Edition may be used on computers with or without the user interface. You are entitled to control this program over the separately obtainable network manager.

O&O DriveLED Server Edition

The software requires Windows Server 2008 (all Editions), Windows 7 (all Editions) or Windows Server 2008 R2 (all Editions), operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems. The O&O DriveLED Server Edition may be used on computers with or without the user interface. You are entitled to control this program

over the separately obtainable network manager.

O&O DriveLED Virtual Machine Edition

The software may only be used on the appropriate operating system in accordance with the previously mentioned conditions for the Workstation and Server Editions. You must own a minimum of one Server Edition to use a Virtual Machine Edition.

O&O Enterprise Management Console

Important note on the Microsoft SQL Server

This product uses the Microsoft SQL Server or Microsoft SQL Server Express Edition. To the extent that these programs are part of the installation of this product, the terms of their licensing related to the use of this software will also apply to the terms of this agreement.

The use of Microsoft SQL Server Express Edition is free of charge in conjunction with this product. The purchase of licenses for O&O Enterprise Management Console and related products is separate from any possible purchase of SQL Server products.

Amendment to: 2. Requirements for application (system requirements)

The software requires Windows 7 (all Editions), Windows Server 2008 R2 (all Editions), Windows 8 (all Editions), Windows Server 2012 (all Editions), Windows Server 2012 R2 (all Editions), Windows 10 (all Editions) or Windows Server 2016 (all Editions) operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems.

O&O EventViewer

Amendment to: 2. Requirements for application (system requirements)

O&O EventViewer Workstation Edition

The software requires Windows 7 (all Editions) or Windows 8 (all Editions) operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems. The O&O EventViewer Workstation Edition may be used on computers with or without the user interface. You are entitled to control this program over the separately obtainable network manager.

O&O EventViewer Server Edition

The software requires Windows Server 2008 (all Editions), Windows 7 (all Editions), Windows Server 2008 R2 (all Editions), Windows 8 (all Editions) or Windows Server 2012 operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems.

O&O EventViewer Virtual Machine Edition

The software may only be used on the appropriate operating system in accordance with the previously mentioned conditions for the Workstation and Server Editions. You must own a minimum of one Server Edition to use a Virtual Machine Edition.

O&O FileDirect

Amendment to: 2. Requirements for application (system requirements)

The software requires Windows 10 (all Editions) operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems.

Amendment to: 3. Rights of use, including test versions, unauthorized transfer, and application Distribution. You may make exact, unmodified copies of this Software Product and distribute such copies solely by electronic means for example, posting on Internet sites for others to download), subject to the following (a) that the software is distributed unmodified (wrapping or packaging the software with a so-called "Installer", "Wrapper" or similar constitutes a forbidden modification for the purposes of this contract) and in its entirety with its complete user documentation, readme files, copyright, trademark, and other indications protecting intellectual property including this license agreement, and all of its other components), and (b) that such transfer may occur anywhere in the world, except when prohibited by laws of the Federal Republic of Germany (directly or indirectly.)

Amendment to: 4. Payment

O&O demands no fee for the use of O&O FileDirect. In addition, a fee for this license and this program may not be demanded by any Third Parties, unless this is done with the expressed approval of O&O. When in doubt, please get in touch with us. You can find our contact data at the end of this license agreement.

O&O MediaRecovery

Amendment to: 2. Requirements for application (system requirements)

The software requires Windows 7 (all Editions), Windows 8 (all Editions) or Windows 10 (all Editions) operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems.

O&O PartitionManager

Amendment to: 2. Requirements for application (system requirements)

O&O PartitionManager Professional Edition

The software requires Windows 7 (all Editions) operating systems. Usage within the terms of this contract is not achieved without the application of these operating systems.

O&O PartitionManager Server Edition

The software requires Windows Server 2008 (all Editions), Windows 7 (all Editions) or Windows Server 2008 R2 (all Editions) operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems.

O&O RegEditor

Important note for working with the Microsoft Windows Registry

Before making changes to the Microsoft Windows Registry (in the following Registry), you should prepare a backup copy of the Registry and ensure that you'll be able to restore the Registry if a problem should arise.

O&O formally declares that it is not responsible for damages arising from the improper use of O&O RegEdit. Changes to the Registry should only be made by experienced users who are aware of the consequences of such changes. A defective Registry can influence the entire stability of the system and lead to a crash of the computer or make it unable to start. This can further lead to loss of data.

Amendment to: 2. Requirements for application (system requirements)

The software requires Windows Server 2008 (all Editions), Windows 7 (all Editions), Windows Server 2008 R2 (all Editions), Windows 8 (all Editions), Windows Server 2012 (all Editions), Windows Server 2012 R2 (all Editions) or Windows 10 (all Editions) operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems.

Amendment to: 4. Payment

O&O demands no fee for the use of this license. In addition, a fee for this license and this program may not be demanded by any Third Parties, unless this is done with the expressed approval of O&O. When in doubt, please get in touch with us. You can find our contact data at the end of this license agreement.

O&O RescueBox

Amendment to: 2. Requirements for application (system requirements)

The software requires Windows Server 2008 (all Editions), Windows 7 (all Editions) or Windows Server 2008 R2 (all Editions), operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems.

The product at hand can only be used according to its acquired license. The following license types exist for O&O RescueBox:

O&O RescueBox Personal Edition

You are authorized to install and use the software product on only one computer. This should be used wholly in conjunction with all hardware in your possession, i.e. this license may not be used to provide a service to a third party. Other limitations may apply in the software itself. Please consult the software documentation for more information on these limitations.

O&O SafeErase

Amendment to: 2. Requirements for application (system requirements)

O&O SafeErase Professional Edition

The software requires Windows 7 (all Editions), Windows 8 (all Editions) or Windows 10 (all Editions) operating systems. Usage within the terms of this contract is not achieved without the application of these operating systems.

O&O SafeErase Workstation Edition

The software requires Windows 7 (all Editions), Windows 8 (all Editions) or Windows 10 (all Editions) operating systems. Usage within the terms of this contract is not achieved without the application of these operating systems.

O&O SafeErase Server Edition

The software requires Windows Server 2008 (all Editions), Windows 7 (all Editions), Windows Server 2008 R2 (all Editions), Windows 8 (all Editions), Windows Server 2012 (all Editions), Windows Server 2012 R2 (all Editions), Windows 10 (all Editions) or Windows Server 2016 (all Editions) operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems.

O&O SSD Migration Kit

Amendment to: 2. Requirements for application (system requirements)

The software requires Windows 7 (all Editions) or Windows 8 (all Editions) operating systems. Application within the terms of this contract is not achieved without the use of one of these operating systems.

Contact

If you have any questions concerning the O&O Software License Agreement or wish to speak with O&O, please get in touch with us.

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