
O&O BlueCon V6

User's Manual

O&O Software GmbH

O&O BlueCon V6 User's Manual
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<http://www.oo-software.com>

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About O&O BlueCon V6

Welcome to O&O BlueCon V6!

Thank you for putting your trust in our software. We are very pleased to introduce you to O&O BlueCon V6.

O&O BlueCon V6 empowers users, administrators and service technicians with a new collection of high-power tools to repair damaged Windows-based systems without reinstalling the operating system software. The user interface is meant to give the look and feel similar to that of Windows, making O&O BlueCon V6 easier to use than ever.

The following chapters will give you an overview of how best to use O&O BlueCon V6 and guide you through the first steps with this software. A detailed User's Guide for this software is available on the product CD-ROM.

We hope you enjoy using O&O BlueCon. Should you have any questions regarding our products or licensing, please do not hesitate to contact us. We look forward to assisting you.

Your O&O Software Team
<http://www.oo-software.com>

The O&O BlueCon CD

The O&O BlueCon CD is a bootable CD, from which all programs can be launched. For this reason, it is not necessary to first run a Windows installation before using O&O BlueCon on your computer.

The O&O BlueCon CD is based on Windows PE, or Windows Preinstallation Environment.

System Requirements

- System with an Intel® Pentium III or equivalent processor
- 256 MB RAM
- Bootable CD or DVD drive
- VGA graphics card with 800x600 resolution at 256 colors
- Keyboard and Mouse
- Windows Operating System: Windows NT/2000/XP/2003
- Windows File System: FAT12/FAT16/FAT32/NTFS4/NTFS5

Note: To use the O&O BlueCon CD, your computer must have a CD/DVD drive. It may be necessary to make changes to your computer's BIOS settings. More information can be found by consulting the documentation from your motherboard's manufacturer.

O&O BlueCon Tools

O&O BlueCon V6 consists of the following high-power programs:

- **O&O FileExplorer:** Find files and directories. Copy or move items to external storage media.
- **O&O DeviceManager:** Disable or enable drivers and services.
- **O&O CheckDisk:** Run a diagnostic of the data and structural integrity of connected drives.
- **O&O SRPManager:** Restore the system to a previous functioning condition.
- **O&O EventViewer:** View all system event logs.
- **O&O RegEditor:** Access the Windows Registry Database.
- **O&O UserManager:** Manage local user accounts.
- **O&O Prompt:** Operate the software through command-line-based input.
- **O&O SystemInfo:** View your system's parameters.
- **Control Panel:** Activate a network connection or select an operating system.
- **O&O Notepad:** View and Edit text files.
- **O&O Calc:** Calculate basic mathematical operations and perform conversions between common number system.
- **FireFox® Web Browser:** Access internet-based content.*

O&O BlueCon V6 Admin and Tech Edition license holders have access to the following data recovery tools:

- **O&O DiskRecovery V4.0**
- **O&O FormatRecovery V4.0**
- **O&O UnErase V4.0**

*Note: To use this feature, it is necessary to be connected to a Local Area Network (LAN) with access to the internet.

The O&O BlueCon V6 Concept

A total Windows system crash is every administrators worst nightmare. If a new start or restoring the old settings doesn't help then it is mostly too late. Endless hours spent resetting the computer or recovering data can drive one to despair. But not anymore! O&O BlueCon provides a whole range of refined tools for solving problems. With our program you can repair broken-down Windows installations, rescue data lost through error or virus attack, change a forgotten password and much, much more. A particular highlight is the ability to start O&O BlueCon from CD ROM with no prior installation. This enables you to access systems that cannot be started anymore from the hard disk. This prevents data being damaged by additional or new installations of Windows.

There are many situations in which O&O BlueCon can help you. We have listed the most common for you here to give you an idea of O&O BlueCon's performance range:

- **Windows-based interface** – With O&O BlueCon V6 the user has a task bar, Start menu and all appropriate program buttons at their

disposal. This enables access without entering command lines and with just a few simple mouse clicks. Navigation, like in Windows, is also with the mouse. For execution, editing or creation of basic files users have a command-line editor at their fingertips.

- **Rescue crashed Windows installations** - O&O BlueCon helps you get to the root of the problem. With the O&O SRPManager you can recover your old Windows XP system. You can scan for defective drivers or system services in the smallest detail and restore them to their previous condition. (see O&O SRPManager)
- **Backup data from defective systems** – Copy data from defective systems to external storage media. You can access your system without having to write to it – this gives you the security of knowing no data will be lost. Simply start the O&O BlueCon CD and access all partitions! (see O&O FileExplorer)
- **Deactivate defective drivers and system services** – Amongst the most common causes of a system crash are defective drivers or system services. These are loaded before the user can log on, giving them no opportunity to remove or replace them. With O&O BlueCon you can simply deactivate the driver or service, or replace them with a new version! (see O&O DeviceManager)
- **Edit the Registry** – The registry is the central filing system for all systems and user settings. Any errors here can prevent your system from running correctly. False driver or service parameters can also cause severe problems. The O&O RegEditor enables you to change or correct entries in the registry. (see O&O RegEditor)
- **Gain access without an administrator password** – You cannot log on to your Windows system without a password. If you forget or lose this password you have to install Windows anew in order to gain system access. O&O BlueCon provides you with a tool to delete or change passwords for local user accounts so that they can access their systems again. (see O&O UserManager)
- **Securely delete data** – With O&O BlueConV6 you can delete data, partitions, harddisks or entire systems beyond any chance of recovery using the technology of O&O SafeErase. Using five different methods of deletion it is possible to overwrite data up to 35 times! (see O&O ComandPrompt/Safeerase)
- **Data recovery with the O&O RescueBox V4 included*** - O&O BlueCon V6 contains the complete O&O data recovery portfolio consisting of: O&O DiskRecovery V4, O&O FormatRecovery V4 and O&O UnErase V4. This enables a data recovery in almost every software related data loss situation, be that through formatted storage media, loss through error or virus attack. With the O&O product line, data recovery was never so easy, quick and affordable.
- **and much, much more ...**

* In the O&O BlueCon V6 Personal Edition you **do not** have access to the following components: O&O DiskRecovery V4, O&O FormatRecovery V4, O&O UnErase V4.

Common Applications

Introduction

We have listed below some common examples of how O&O BlueCon is applied.

Problem 1: Forgotten password

A user has forgotten his password, and cannot log on anymore. You as administrator are asked to help.

Solution:

1. Start O&O BlueCon V6.
2. Open the O&O UserManager by navigating to UserManager under Start/Programs/AdministrativeTools.
3. Click on the “**Switches to User Accounts View**” icon in the toolbar.
4. Choose the user who has forgotten their password from the list.
5. Click on **Change Password** and follow the instructions in the pop-up window.
6. Close O&O BlueCon. Once the computer is restarted the user can log on using his new password.

Important! If you have changed passwords with O&O BlueCon, you will have **no further access** to encrypted data. The coding cannot be deciphered after a password change!

Note: It is **not** possible to decipher used passwords. You can however change passwords, even when you do not know what the password is. This is recommended when, for example, a user has forgotten their password.

Problem 2: Backup data externally

You urgently require data from your system. Right at this moment your system crashes and will not restart. Because you don't know the cause, the very least you wish to do is restore the data to an external storage medium.

Solution:

1. Connect an external storage medium, i.e. USB or hard drive to your computer.
2. Start the O&O BlueCon V6 CD. Open the **O&O FileExplorer** by selecting FileExplorer under Start/Programs.
3. Browse the hard disk for files or directories.
4. Copy the data to the external storage medium.

Note: External storage media must be connected to the computer before O&O BlueCon V6 is started, otherwise the system will not recognize them.

Problem 3: Restore the system

You have installed a new program, for example a driver. Your system crashes immediately afterwards and will not restart.

Solution:

1. Start O&O BlueCon V6.
2. Open O&O SRPManger by selecting SRPManager under Start/Programs/SystemRecovery. O&O SRPManager is recommended in cases where numerous programs are simultaneously responsible for a system error, or you are unable to clearly identify the defective program. An alternative solution for problems with drivers would be to use the O&O DeviceManager.
3. Take a look at the saved SRP and restore your system to the stage just before you installed the program.
4. The files are now “unregistered”. The SRP is by design unable to delete files that were produced after the creation of a restoration point. This includes program files (e.g. drivers). Restoring to a SRP with O&O BlueCon simply undoes changes made to the Registry database since the SRP's date of creation. In doing so, for instance, a defective driver hindering successful system startups will no longer be loaded at the next system startup.
5. After cleansing the Registry database using O&O BlueCon and enabling a normal system startup, it is then possible to run the system restoration function in Windows.
6. Restoring to the same SRP in Windows will lead to the deletion of the defective or changed files left behind by O&O BlueCon.

Note: The O&O Wizard for System Restoration only functions when your target system is running Windows XP. SRPs will not be detected on systems running other operating systems.

Note: If a SRP is listed as <linked>, it is linked to a SRP of the same name. You can choose whether you would like to restore both SRPs or just one.

Problem 4: Completely delete data

You want to delete data from your computer securely and beyond recovery. Moving data to the Recycle bin and then emptying it does not actually delete data from the hard disk.

Solution:

1. Start O&O BlueCon V6
2. Open the O&O Prompt by selecting **CommandPrompt** under Start/Programs/Accessories.
3. Enter the command “safeerase” and the file name, for example “safeerase test.txt” – the file will now be securely deleted.
4. Using the command “safeerase /volume” you can also securely delete whole partitions, i.e. safeerase/volume c: (see O&O Prompt/ Command Index)

Problem 5: Reconstruct deleted data

A user has inadvertently deleted a very important folder. He also emptied the Recycle Bin shortly afterwards. Because he needs the data urgently it must be quickly recovered.

Solution:

1. Start O&O BlueCon V6
2. Open O&O Unerase* (Start/Programs/FileRecovery)
3. Select the drive where you wish to recover data from. Click on the main display to select it.
4. Select from the file menu the command Search for deleted files. If the target files can be located then they will appear in the file list on the right hand side marked with a red arrow.
5. Select the file and then choose the option from the file menu entitled “Restore”.

***Note:** In the O&O BlueCon V6 Personal Edition you **do not** have access to the following components: O&O DiskRecovery V4, O&O FormatRecovery V4, O&O UnErase V4.

6. Choose a target directory. This may not be on the same drive as the one you are making the recovery from.
7. After completion of the recovery you can open the file in the target directory.

Getting Started

Start the O&O BlueCon CD

Make sure that your system can be started from the CD. The appropriate settings can be carried out in BIOS: For further information, please contact your Motherboard manufacturer.

1. Place the O&O BlueCon CD in your computers CD/DVD drive.
2. Start the computer anew.
3. Follow the instructions for starting the CD.



4. O&O BlueCon will start from the CD. This procedure can take a few minutes. The system settings will subsequently appear in the window.



5. Select from the menu “System” your target system. This selection is particularly important when several operating systems are installed on the computer.

Note: O&O BlueCon and the programs contained in it will only apply themselves to the target system that you have selected!

Should no system be displayed, it will default to Windows PE.

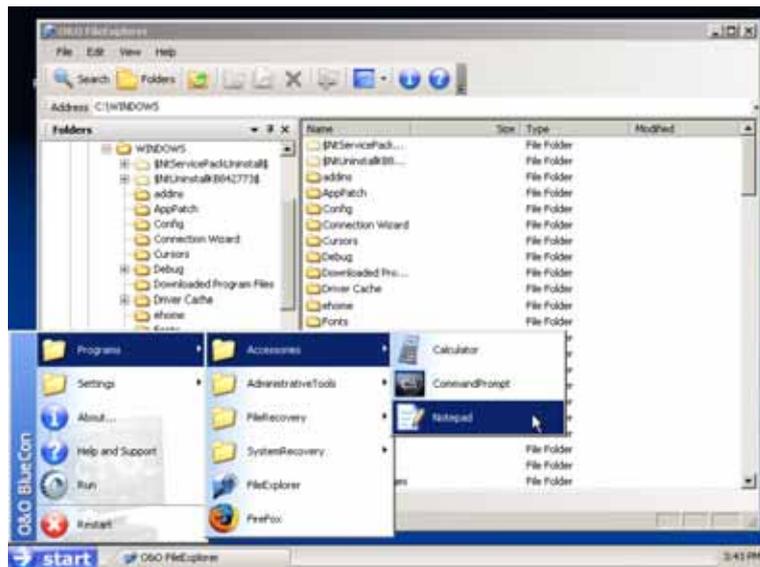
At this stage you can also select “Initialize Network Connection” should a network connection need to be activated. If a network connection cannot be initialized, it means your network card is not supported. In this case you will see an error message. It is not possible to retrospectively add a driver for network adaptation that is not supported by Windows PE.

You can then further select language, time, country and keyboard layout.



Start programs in O&O BlueCon

Click on the Start button bottom left and then start a program from the O&O BlueCon Start menu. You can also access online help by clicking on “**Help and Support**” in the Start menu.



Install drivers before starting O&O BlueCon V6

In order that O&O BlueCon can recognize all connected hard disks it is possible to install hard disk control drivers before starting O&O BlueCon.

1. Place the O&O BlueCon CD in your computer’s CD/DVD drive
2. Start the computer anew.
3. Follow the instructions for starting the CD.
4. To install the required drivers, press the F6 button when asked to make an entry.
5. Place the disk with the driver into the disk drive.

Note: Encrypted drives are not supported by O&O BlueCon!

Close O&O BlueCon

To close O&O BlueCon, click on the “Start” button and select “Restart”. After confirming the command O&O BlueCon will close down and your computer will restart.

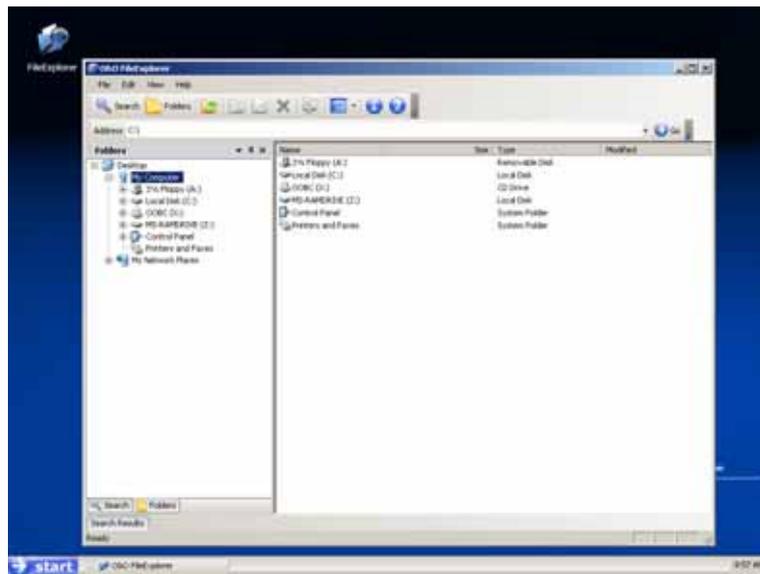


O&O FileExplorer

Introduction

If your system is damaged you have practically no chance of accessing your files in order to back them up. The O&O FileExplorer in O&O BlueCon V6 enables you to navigate through your computers entire file system.

- To open the O&O FileExplorer click on Start / Programs and then FileExplorer.



With the O&O FileExplorer you can:

Search for files and directories

1. Click on the search icon in the menu.
2. Enter the file or directory name. You can refine your search by entering further search criteria in the search menu.

Copy, move or delete files and directories

1. Select the file or directory.
2. Open the context menu.
3. Now click on the required operation.

Alternatively you can select the **copy to**, **move to** or **delete** icons from the menu list.

You can also move files and directories by "**Drag and Drop**".

Note: If you wish to copy or move files to external storage media, these must be connected when you start the computer. Media connected after the start will not be recognized by the system.

Build a network drive connection

O&O BlueCon enables you to create a connection with an approved network resource.

- Click on "**Map Network Drive...**" in the file menu. You can create a connection in the open dialog.

View access permissions

To view access privileges, click on "**Permissions...**" in the file menu.

O&O DeviceManager

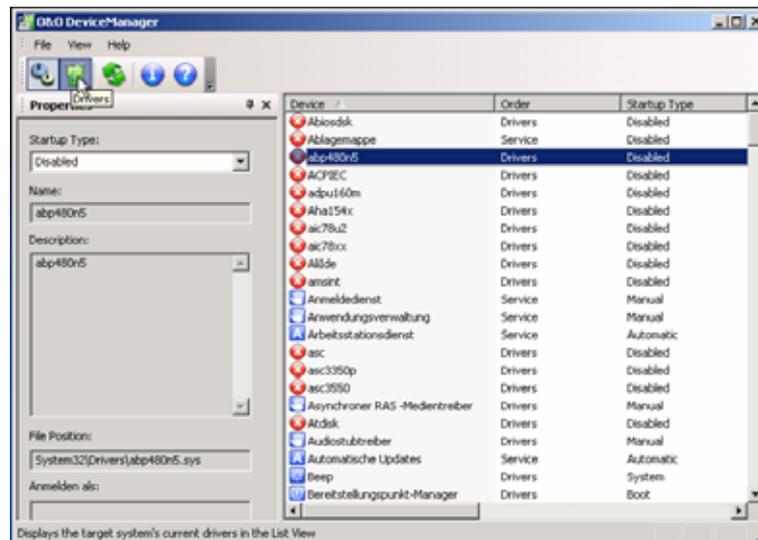
Introduction

The O&O DeviceManager provides the best possible overview of the installed hardware. This program consists of two functions:

- **Driver Management:** To open the Driver Management function in the O&O DeviceManagement, click on Start / Programs / AdministrativeTools / and then DriverManager
- **Service Management:** To open the Service Management function in the O&O DeviceManagement, click on Start / Programs / AdministrativeTools / and then ServiceManager.

Driver Manager

The DriverManager in the O&O DeviceManager can control the startup settings of hard and software drivers. This function is particularly helpful when defective drivers are affecting system starts.



1. Select the **Drivers** icon.
2. You can now highlight a driver from the list. There are various options available to determine the settings of each respective driver.
 - **Disabled:** Sets the startup type to Disabled. The driver will not be loaded. To disable a driver, select disabled from the Startup Type menu.

- **Boot:** Sets the startup type to Boot. The device starts before all others. The driver is loaded and started whilst Windows boots up.
- **System:** Sets the startup type to System. The device starts after all boot devices have been started. The driver will be started by the system at a defined time. This does not necessarily have to be during the system startup.
- **Auto:** Sets the startup type to Automatic. The device starts only after all boot and system devices have been started.
- **Manual:** Sets the startup type to Manual. The device will not start. The user can start it up manually after logging on.

Service Management

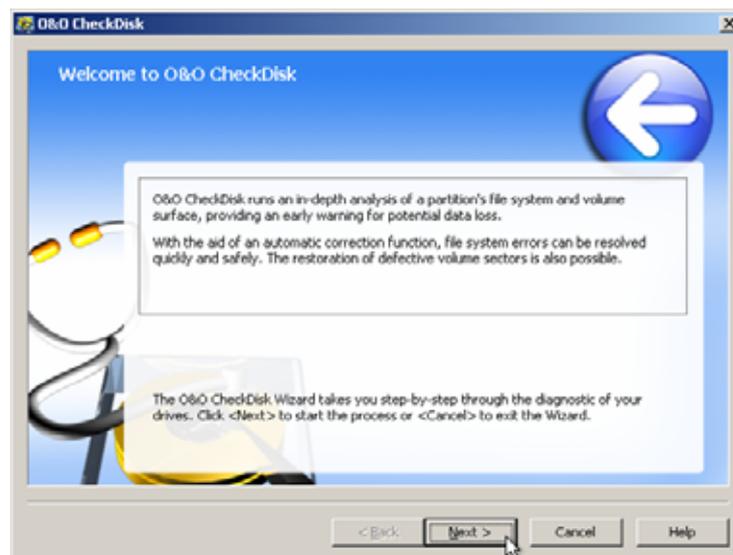
You can find **Services** next to the Driver Management icon in the toolbar. The Service Management function in the O&O DeviceManager can customize the startup type of Windows services. This means defective or superfluous services can be disabled and thus enabling a system start again. Proceed in the same way as with Driver Management.

O&O CheckDisk

Introduction

O&O CheckDisk makes an exhaustive check of the file system and the storage medium interface and by doing so protects them against possible loss of data.

- To open O&O CheckDisk, click on Start / Programs / SystemRecovery / and then CheckDisk



O&O CheckDisk Wizard

O&O CheckDisk is a Wizard that guides you step-by-step through the monitoring of your drives.

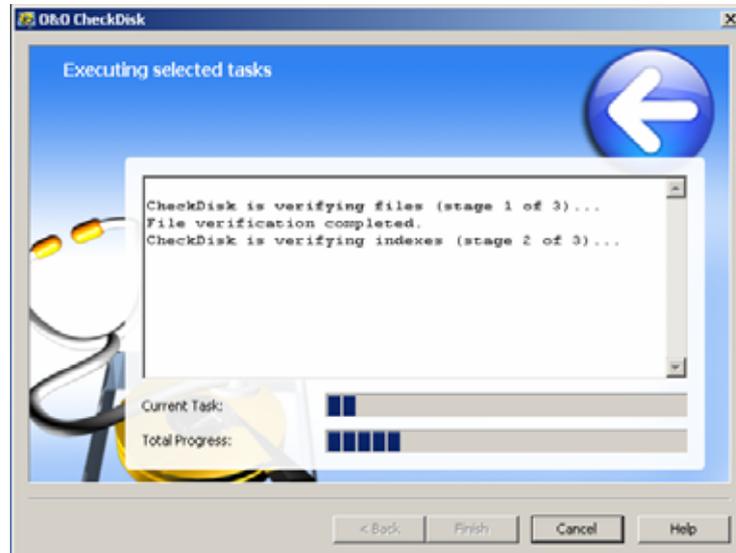
1. After starting O&O CheckDisk click on **Next**.
2. In the second stage, select the drive you wish to analyze.

You will have available the following options:

- **Automatically correct file system errors** – This carries out an automatic error correction. File system errors are remedied quickly and easily.
- **Rebuild defective sectors** – With this function O&O CheckDisk checks your disk for damaged sectors and then moves them to intact sectors.
- **Display extended information**

Should you not choose an option a protocol of the analysis will be created.

In the next stage the analysis will be carried out. While O&O CheckDisk is going to work, you can monitor the progress on two progress bars. All program messages will appear in the window.



O&O SRPManager

Introduction

O&O SRPManager allows for the easy access, management and restoration of Windows System Restore Points (SRP). SRPs enable you to revert back to previously saved system configuration when the current configuration is no longer functioning. Restoring SRPs makes changes to system-related files only. Personal files and directories remain completely preserved.

- To open the O&O SRPManager, click Start / Programs / SystemRecovery / and then SRPManager.

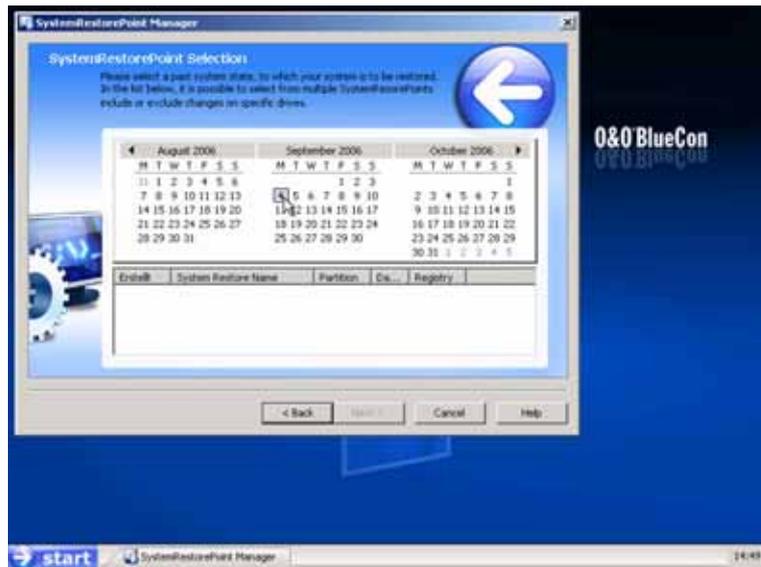
Note: The O&O Wizard for System Restoration only functions when your target system is running Windows XP. SRPs will not be detected on systems running other operating systems.

O&O Wizard for System Restoration

The O&O Wizard for System Restoration guides you step-by-step through the restoration of your system.

1. Click **Next** to proceed to the next step.
2. Select a Restoration Mode:
 - **Standard:** Select this mode when you would like to restore to a complete SRP.
 - **User-defined:** Select this mode if you would like to restore only selected files and/or the Registry database.

After making your mode selection, the next step will be to select the specific SRP from list organized by date in calendar form.



1. First, select a date. A list of available SRPs will be displayed in the bottom pane for the selected date. Those dates that appear in bold text contain SRPs.
2. Select the SRP, to which you would like to restore your system.
3. Then click **Next**.

Note: If a SRP is listed as <linked>, it is linked to a SRP of the same name. You can choose whether you would like to restore both SRPs or just one.

The O&O SRPManager is not designed to delete files created since the creation of a restore point. This includes program files (e.g. drivers). Restoring to a SRP with O&O BlueCon simply undoes changes made to the Registry database since the SRP's date of creation. In doing so, for instance, a defective driver hindering successful system startups will no longer be loaded at the next system startup. After cleansing the Registry database using O&O BlueCon and enabling a normal system startup, it is then possible to run the system restoration function in Windows. Restoring to the same SRP in Windows will lead to the deletion of the defective or changed files left behind by O&O BlueCon.

In the **Standard Mode** you will be asked to confirm your selection. Your system will then be restored back to the selected system restore point.

In the **User-defined Mode** you will have the opportunity to customize the nature of your system restoration. In addition, it is possible to select specific files for restoration.

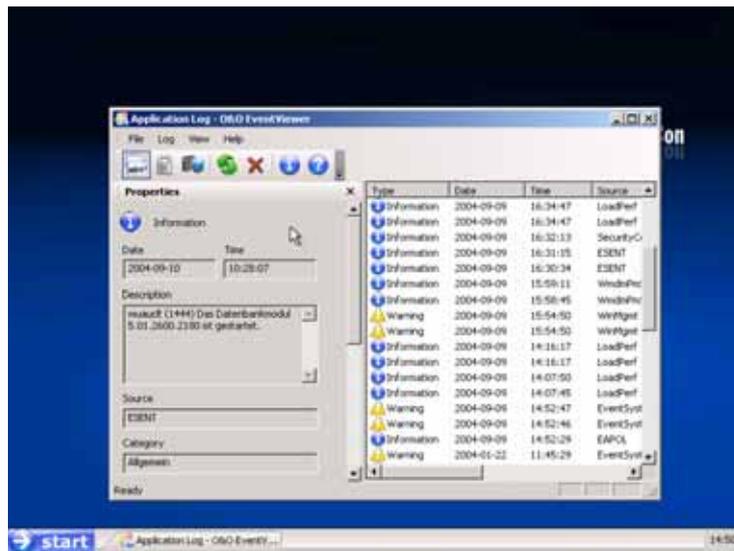
1. Select **Next** when all of the settings are correct.
2. Confirm to apply your selected settings.

O&O EventViewer

Functions

The O&O EventViewer allows you to identify error sources and problems. The O&O EventViewer itemizes all events that are logged by the system and applications.

- To open O&O EventViewer, click on Start / Programs / AdministrativeTools / and then EventViewer.



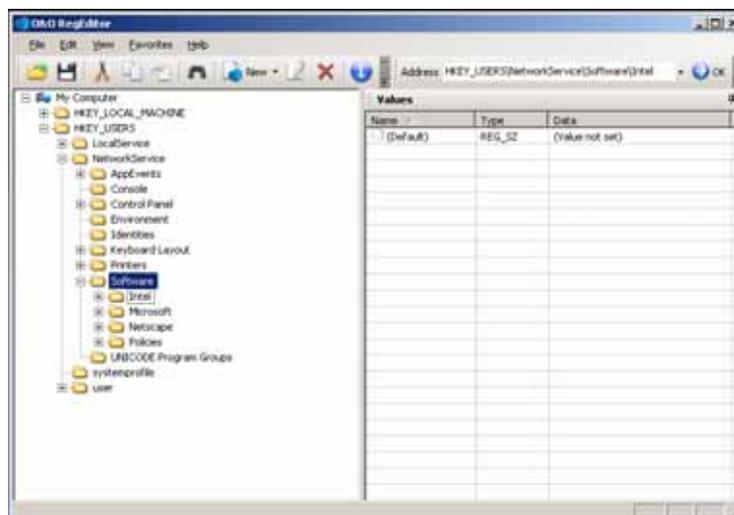
O&O RegEditor

Introduction

The O&O RegEditor is similar in structure to the well-known Windows RegEdit. The O&O RegEditor provides full access to the Windows registry database. The settings for numerous Windows applications, drivers and services are saved here.

- To open O&O RegEditor, click on Start / Programs / AdministrativeTools / and then RegEdit.

Warning! The incorrect use of O&O RegEditor can cause severe problems affecting the whole system and may necessitate reinstalling the operating system. O&O cannot guarantee that problems caused by the incorrect use of O&O RegEditor will be repairable. You accept full responsibility for using O&O RegEditor.



With this program you can:

Create new keys with values

- Open the file menu. You will see various operations including **New Key** or **New Value**.

Browse the Registry Database

Click on the Find icon and gain access to entries in the registry database.

Change values

- Click on that to change values. An editing window will appear underneath. Here you can change the values, i.e. vary, deactivate or delete the path.

Manage rights

- Under “Edit” you will see the menu item **Rights**. Here you can add, delete or move rights.

Export and import keys with values as*.reg files

- You can find import and export functions in the file menu.

O&O UserManager

Introduction

The O&O UserManager lets you control the local user management of your Windows systems.

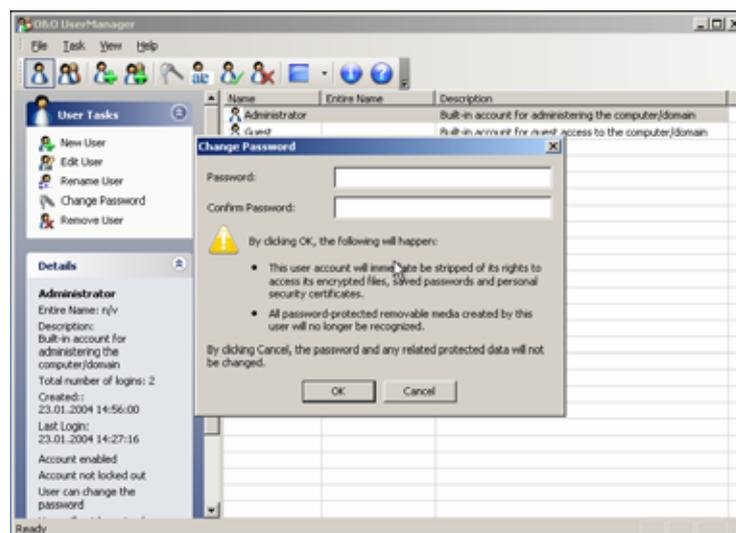
- To open the O&O UserManager, click on Start / Programs / AdministrativeTools / and then UserManager.

Note: O&O UserManager can only manage **local** user accounts. No changes can be made to a domain controller.

With this program you can:

Change user accounts (i.e. passwords, names, properties)

1. Click on the “Switches to User Accounts View” icon in the top left of the screen.
2. Select the user you wish to change from the list.
3. Then select the required modification from the “User Tasks” list, i.e. Change password, Rename User.



Important! If you have changed passwords with O&O BlueCon, you will have **no further access** to encrypted data. The coding cannot be deciphered after a password change!

Note: It is **not** possible to decipher used passwords. You can however change passwords, even when you do not know what the password is. This is recommended when, for example, a user has forgotten their password.

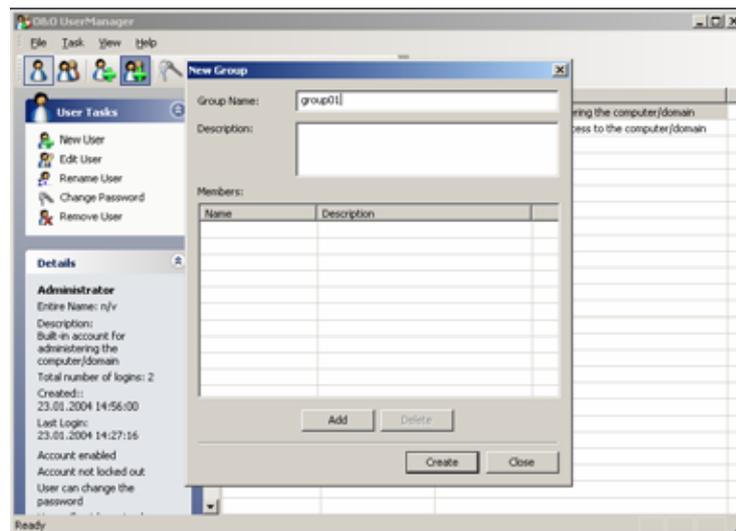
Create new user

1. Click on the “Switch to User Accounts View” icon in the top left of the screen.
2. In the “User Tasks” menu you can select “New User” to create a new account.
3. The new user will then appear in the list on the right.

Note: A newly created user does not by default belong to a group.

Create new user group

1. Click on the “Switch to Group View” icon in the top left of the screen.
2. In the “Group Tasks” menu select “New Group”.
3. You can assign users to the group under “Add”.

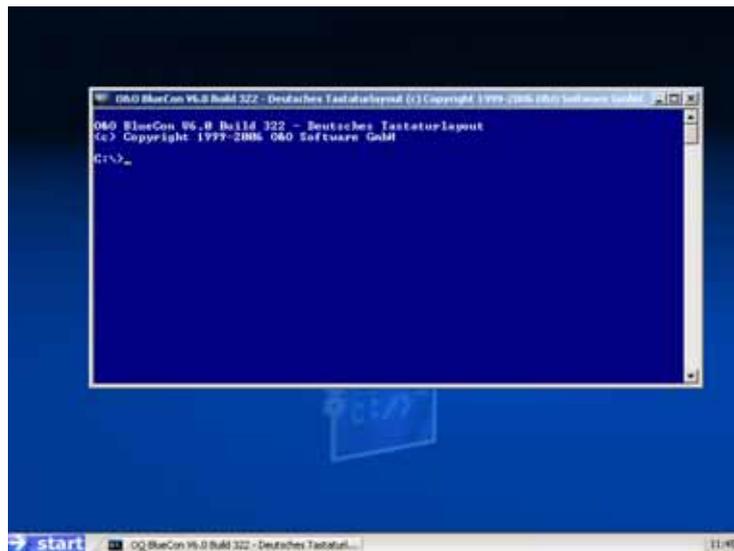


O&O Prompt

Introduction

Command-line-based input, such as the kind offered by O&O Prompt, gives you the ability to control the software through the direct entry of commands. This simplifies certain processes, not the least of which is the running of multiple commands, or Batches.

- To open the O&O Prompt, click Start / Programs / Accessories / and then CommandPrompt.



The HELP command displays a list of all valid commands and their functions. Please note that O&O Prompt's screen automatically scrolls down when the end of the screen is reached. Many of the commands offer the option of stopping the scroll at the end of the screen and continuing when any key on the keyboard is pressed. E.g. dir /p.

A more detailed description of the commands can be found in the **Command Index** below.

Batch processing

O&O Prompt makes it easy to process batch commands. This can be very useful when you want to repeat command sequences without having to enter them one-by-one. This function is similar to the batch command function in the Windows Command Prompt. Please complete the following steps.

1. Create an ASCII file with a text editor such as O&O Notepad.

2. Enter the commands - only one command per line - with the required arguments.
3. When finished, save the file with the .BAT extension. We suggest an 8.3-name convention, as you can easier access short filenames from the console interface.
4. Open the file in the O&O Prompt, for example, c: test.bat. The contained commands will be executed in the order they were saved.

If you would like to prematurely abort a batch operation, press CTRL+C.

Command Index

O&O Prompt offers you the ability to control O&O BlueCon with command-line-based instructions similar to those from MS-DOS or the command prompt in Windows NT/2000/XP. The Command Index below lists all commands, their syntax and parameters. If you need help on a particular command, you can use the `/?` switch to display a short description of the syntax and the command's purpose.

attrib

Displays or changes file attributes. This command displays, sets, or removes the read-only, archive, system, hidden, and compressed attributes assigned to files or directories.

Syntax **attrib** [+ | -] [rashc] [<drive:>][<path>]<filename>

Parameters

<drive:>	Specifies the location and name of the directory, file, or set of files you want to process.
<path>	
<filename>	
+	Sets the specified attributes.
-	Clears the specified attributes.
r	Read-only file attribute.
a	Archive file attribute.
s	System file attribute.
h	Hidden file attribute.

cd

Displays the name of the current directory or changes the current directory.

Syntax **cd** [[<drive:>]<path> | ..]

Parameters

None	Used without parameters, cd displays the names of the current drive and directory.
<drive:>	Specifies the drive (if different from the current drive) and directory to which you want to change.
<path>	
..	Specifies that you want to change to the parent directory.

Example: C:\>Windows\test>cd ..

cls

Clears the screen. The cleared screen shows only the command prompt and cursor.

Syntax	cls
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Parameters	None
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copy

Copies one or more files to another location.

Syntax	copy <source> <destination>
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Parameters

<source>	Specifies the location and name of a file or group of files you want to copy. Source can consist of a drive letter and colon, a directory name, a filename or a combination. To specify a group of files, you may use wildcards.
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<destination>	Specifies the location and name of a file or group of files to which you want to copy. Destination can consist of a drive letter and colon, a directory name, a filename, or a combination. To specify a group of files, you may use wildcards.
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Example:	copy c:\test d:\test
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del

Deletes specified files.

Syntax	del [<drive:>][<path>]<filename>
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Parameters

<drive:>	Specifies the location and name of the file or set of files you want to delete. Multiple filenames can be used. Filenames can be separated by spaces, commas or semicolons.
<path>	
<filename>	

Example:	del c:\test.txt
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deltree

Deletes specified directory.

Syntax	deltree [<drive:>]<path>
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Parameters

<drive:>	Specifies the location and name of the directory you want to delete. Subdirectories and files in this directory will also be deleted.
<path>	

Example:	deltree c:\Windows\test*.*
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device / service

Entering the command 'device' oder 'service' launches the O&O DeviceManager, giving you access to a list of all devices and drivers installed on your system. It is also possible to configure the startup settings (Please see O&O DeviceManager).

dir

Displays a list of a directory's files and subdirectories.

Syntax	dir [/p] [[<drive:>][<path>]<filename>]
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Parameters

None	Used without parameters or switches, dir displays the disk's volume label and serial number; one directory or filename per line, including the filename extension, the file size in bytes, the date and time the file was last modified; and the total number of files listed, their total size, and the free space (in bytes) remaining on the disk.
/p	Displays one screen of the listing at a time. To see the next screen, press any key.
<drive:>	Specifies the drive and directory of which you want to see a listing.
<path>	
<filename>	Specifies a particular file or group of files of which you want to see a listing. Multiple filenames can be used. Filenames can be separated by spaces, commas, or semicolons.

Example: dir /p

edlin

Entering the command 'edlin' will launch the O&O Notepad. O&O Notepad is a basic text editor that allows you to view, edit and save text files. Files in ASCII and Unicode may be edited using O&O Notepad.

Exit

Closes O&O Prompt.

Syntax	Exit
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Parameters	None
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help

Lists all available commands with short descriptions. If you need help on a particular command, you can use the /? switch to display a short description of the syntax and the command's purpose.

Syntax	Help
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Parameters	None
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info

Displays information about the file system and volumes.

Syntax **Info** [hdd | <drive:>]

Parameters

Hdd	Displays information about available drives including hard drives, floppy disks, CD-ROMs etc.
<drive:>	Specifies the drive from which you want to receive information (MFT location, cluster size, number of sectors etc.)

mkdir

Creates a directory or subdirectory.

Syntax **mkdir** [<drive:>]<path>

Parameters

<drive:>	Specifies the drive on which you want to create the new directory.
<path>	Specifies the name and location of the new directory. The maximum length of any single path is determined by the file system.

Example: mkdir C:\test

passwd

Changes or removes the password for a user account.

Syntax **passwd** <user account> [<password>]

Parameters

<user account>	The user account whose password will be changed or removed.
<password>	The new password for the user account. An empty password resets the current password, i.e. the password becomes empty.

Example: passwd administrator test

rename

Changes the name of a file. You cannot use the **rename** command to rename files across drives or to move files to a different directory location.

Syntax **rename** [<drive:>][<path>]<old> <new>

Parameters

<drive:>	Specifies the drive on which you want to rename the specified file.
<path>	Specifies the location of the file to be renamed. The maximum length of any single path is determined by the file system.
<old>	Specifies the name of the file you want to rename.

<new> Specifies the new name for the file. You cannot specify a new drive or path.

Example: rename c:\test\test.txt test1.txt

rmdir

Deletes (removes) a directory.

Syntax **rmdir** [<drive:>]<path>

Parameters

<drive:> Specifies the drive on which you want to delete the specified directory.

<path> Specifies the name and location of the directory to be deleted. The maximum length of any single path is determined by the file system.

safeerase

Securely deletes files or volumes.

Syntax **safeerase** [/<security level>] [/output <file>] [/verbose] [/silent] [/help] [/showdisks] [/matchfile] [/matchfolder] [/matchall] [/volume <drive>] [/disk <hard drives#>] [/freespace <drive>] [/y]

Parameter

None Help text will be displayed.

/highestsecurity The available security levels. They refer to the deletion methods described. If no security level is chosen, the default is /highest security.

/highsecurity

/mediumsecurity

/lowsecurity

/lowestsecurity

/output <Datei> Saves the output additionally to a file.

/verbose Detailed output will be shown.

/silent Screen output will not be shown.

/help, /? Help will be shown.

/showdisks Shows drive and hard disk information. The disks will be numbered so that the numbers can be used with the command /disk.

/matchfile Only matching files will be deleted. (Standard) Use the 'match' command in combination with a file filter (e.g. *.txt, a?c.exe)

/matchfolder Only matching folders will be deleted.

/matchall Matching files and folders will be deleted.

/volume Deletes the entire content of the drive.

<Laufwerk>

/disk Deleted the entire hard disk.

<Festplatten#>

/freespace
<Laufwerk>

Deletes free space on the drive.

/y

All security checks will be suppressed.

Examples:

safeerase beispiel.txt /output test.log

The text file is deleted with the highest security method and the output saved in the file test.log.

safeerase /matchfile *.txt /silent /mediumsecurity

All text files in the current folder are deleted with the medium security level without output to screen.

safeerase /freespace c: /verbose

The free space on c: is deleted with the highest security method and detailed output.

safeerase /volume d: /y /lowsecurity

The content of the drive d: is delted with the low security level and without security checks.

safeerase /disk 0

All partitions on the first hard disk are completely deleted.

All parameters, apart from /help and /showdisks, can be combined with one another.

type

Displays the contents of a text file. Use the type command to view a text file without modifying it.

Syntax **Type** [<drive:>][<path>]<filename>

Parameters

<drive:>

Specifies the location and name of the file you want to view.

<path>

<filename>

If using long filenames and if the filename contains spaces, you must enclose the filename within quotation marks (") or use the short (8.3 style) filename.

Example: type c:\test\test.txt

user

Displays a list of all local user accounts.

Syntax **user**

Parameters

None

ver

Displays the version number of O&O BlueCon.

Syntax	ver
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Parameters	None
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vmap

Lists all mounted volumes, their mappings and additional information.

Syntax	vmap
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Parameters	None
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xcopy

Copies files and directories, including subdirectories.

Syntax	xcopy [/e] [/s] <source> <destination>
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Parameters

/e	Copies all subdirectories, even if they are empty.
/s	If the files are located on an NTFS volume, security and ownership attributes will be preserved.
<source>	Specifies the location and the name of a file or group of files you want to copy. Source can consist of a drive letter and colon, a directory name, a filename or a combination. To specify a group of files, you may use wildcards.
<destination>	Specifies the location and name of a file or group of files to which you want to copy. Destination can consist of a drive letter and colon, a directory name, a filename, or a combination. To specify a group of files, you may use wildcards.

Example:	<code>xcopy c:\windows\test*.* d:\test\</code>
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O&O SystemInfo

Introduction

O&O SystemInfo gives you the best possible overview of the system settings in your Windows operating system. Here you can delete, deactivate or change system parameters.

- To open O&O SystemInfo, click on Start / Programs / AdministrativeTools / and then SystemInformation

SystemInformation displays:

- Configuration of the win.ini files
- Configuration of the system.ini files
- Configuration of the boot.ini files
- Autostart entries
- Environmental variables

Edit system parameters

1. Select a configuration or entry.
2. To edit a system parameter, select one from the list on the right.
3. A window will appear where you can edit.

Deactivate system parameters

1. Select an entry from a configuration.
2. Delete the checkmark next to “activate”.
3. The element and its value are now deactivated.

Delete system parameters

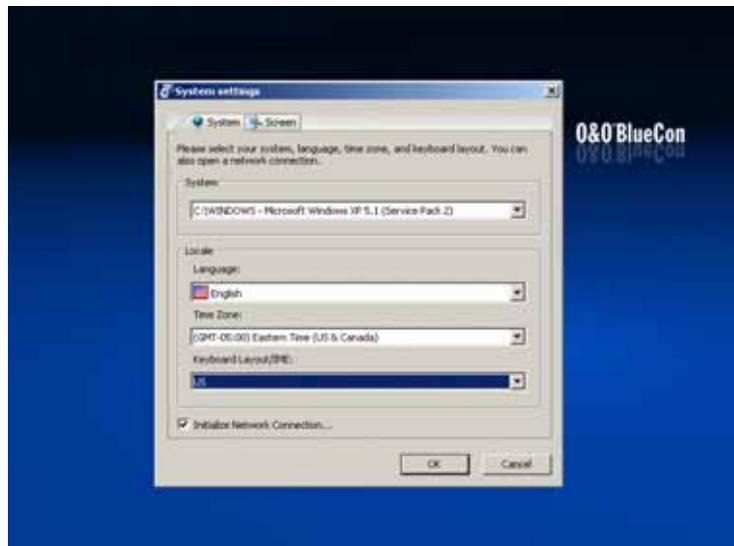
1. Click on a system parameter so that its value is displayed in an editing window.
2. You can now delete the parameter.

Control Panel

Functions

With the Control Panel you can set parameters, screen resolution, language and keyboard settings, time zones, activate the network and select the operating system. The last function is particularly important in cases where the target computer has several operating systems installed. This selection defines which system database O&O BlueCon should communicate with. All the O&O BlueCon tools executing system-dependant information will automatically access the selected system. It is possible to change the target system or activate the network retrospectively whilst O&O BlueCon is running using the Control Panel.

- To open the O&O System Settings click on Start / Settings and then Control Panel.



FireFox® WebBrowser

Functions

The integrated FireFox® Web Browser makes it possible to view internet-based content. This allows you to research problems on the internet or download files that may be useful to correcting a problem.

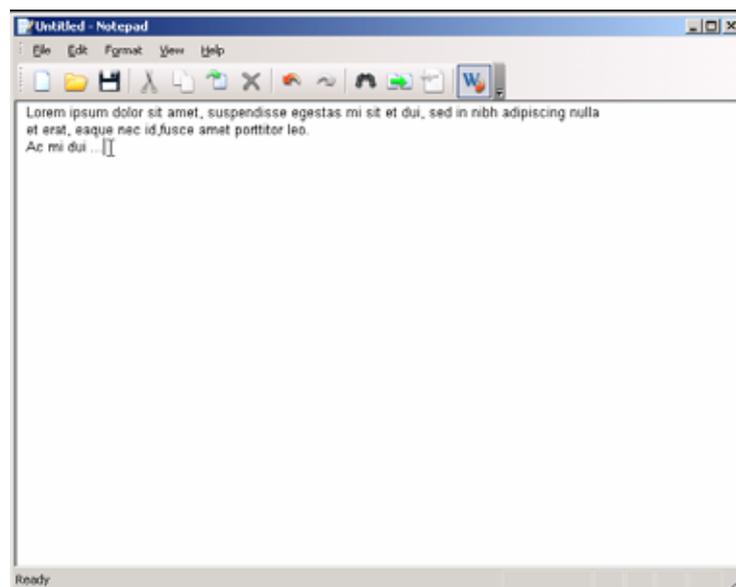
Note: To use this feature, it is necessary to be connected to a Local Area Network (LAN) with access to the internet.

O&O Notepad

Functions

O&O Notepad is a basic text editor that allows you to view, edit and save text files. Files in ASCII and Unicode may be edited using O&O Notepad.

- To open O&O Notepad, click on Start / Programs / Accessories / and then Notepad.

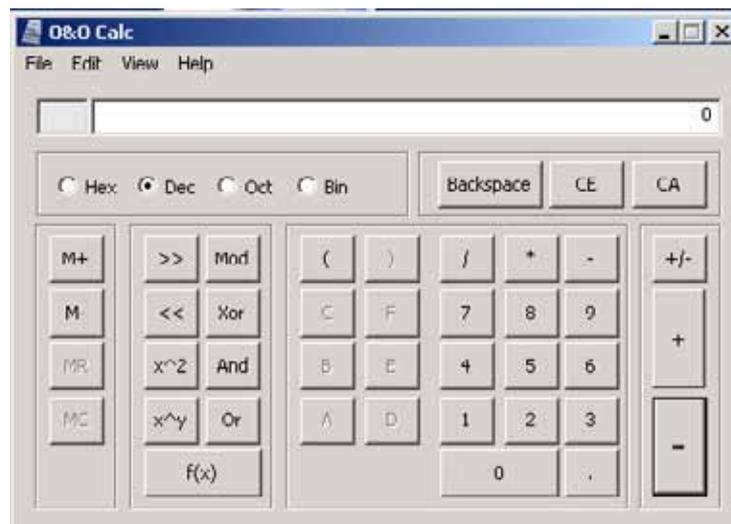


O&O Calc

Functions

O&O Calc, O&O BlueCon's built-in calculator, makes it possible to perform basic arithmetic as well as conversions between commonly used number formats (Decimal, Hexadecimal, Octal and Binary). Additionally, O&O Calc is able to calculate equations.

- To open the O&O Calc, click on Start / Programs / Accessories / and then Calculator.



O&O Data Recovery Suite

Introduction

Licensees of the O&O BlueCon V6 Tech and Admin Editions have access to the following professional-grade data recovery products:

- **O&O UnErase V4**
- **O&O FormatRecovery V4**
- **O&O DiskRecovery V4**

These programs offer an excellent addition to the other high-power tools included in O&O BlueCon V6. With these solutions, you will be prepared for virtually any type of data loss.

The following chapters will give you an overview of how best to use these additional products and guide you through the first steps with this software.

Differences between O&O UnErase, O&O FormatRecovery, and O&O DiskRecovery

O&O DiskRecovery, O&O FormatRecovery, and O&O UnErase are three separate software products that are designed to compliment each other.

If O&O UnErase is unable to find your missing data, O&O FormatRecovery or O&O DiskRecovery could still possibly be of help. 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.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
A virus or malicious software caused damage to some data and now some files or folders are missing.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
A drive was formatted		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Windows is saying that the drive has to be reformatted.		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
The storage volume was reformatted and the files		<input checked="" type="checkbox"/>	

were heavily fragmented.			
O&O UnErase did not produce the desired results.		<input checked="" type="checkbox"/>	
Windows can no longer access the hard drive.			<input checked="" type="checkbox"/>
No file system is present on the drive.		<input checked="" type="checkbox"/>	
O&O FormatRecovery and O&O UnErase did not product the desired results.			<input checked="" type="checkbox"/>
A new operating system was accidentally installed.			<input checked="" type="checkbox"/>
Data recovery with O&O products is not possible. The storage volume is defective.	Contact O&O Services by e-mail at: http://www.oo-services.com		

Starting the programs in Windows

The programs O&O UnErase, O&O DiskRecovery and O&O FormatRecovery can all be launched and run in Windows without prior installation directly from the O&O BlueCon CD. To do so, simply insert the O&O BlueCon CD into your CD ROM drive and **after** Windows has started. If O&O BlueCon does not start automatically, it is possible that the Windows Autoplay function is disabled. Make sure this function is activated and try inserting the CD again.

About O&O UnErase

Whether it be those accidentally deleted text documents or those great photos from you last vacation: With its Explorer-like file structure, O&O UnErase enables you to navigate through your deleted files as if they had never been deleted. With one click of the mouse you can restore single files or entire folders. Never before was the restoration of deleted files so easy and intuitive to operate. O&O UnErase can restore all data stored on drives recognized and monitored by Windows.

The online software documentation is your best source for all details regarding the operation of O&O UnErase. Access to this documentation can be made through the program group in the Start Menu or through the Help menu in O&O UnErase itself. The software's internal Help file can also be reached by hitting the F1 key while the O&O UnErase is running.

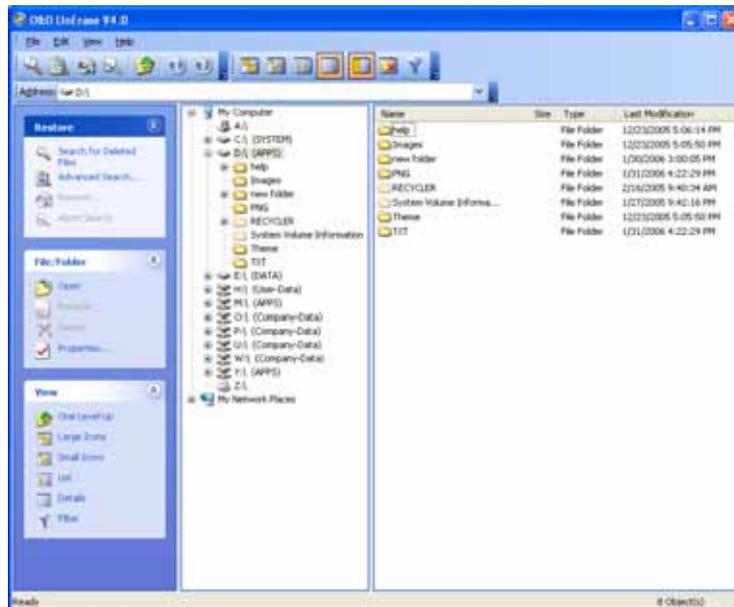
Main View

The Main View in O&O UnErase behaves very similarly to Windows Explorer, enabling you to easily use the program with only little or no previous knowledge.

The Main View is divided into three vertically tiled panes:

- **Frequently used commands and settings** are accessible through the pane on the left. These commands are also accessible through the Toolbar or the Context Menu.
- The **List of drives and directories** in the middle pane enables an easy navigation through existing and already-deleted files very similar to Windows Explorer.

- The **List of Folders and Files** on the right-hand side gives you all pertinent file information regarding the selected existing and deleted files.



Status Bar

At the very bottom of the Main View the Status Bar can be found in which the progress of all running searches and other status reports are displayed.

Toolbar

The Toolbar is the fastest way to access the most important functions of O&O UnErase. All commands, however, can be accessed through the pull-down menus at the top of the Main View. Through the **View** menu you can customize the composition of the Toolbar to meet your needs.



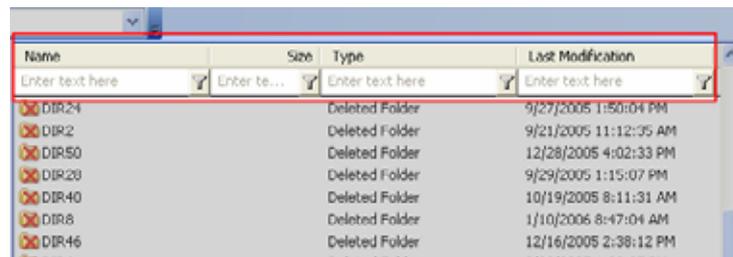
Displayed from left to right:

- Search for a drive on the system.
- Open the Advanced Search dialog.
- Restore deleted files.
- Cancel current search.
- Go up one level.
- View Help.
- View program information.
- Switch views.
 - Tiles
 - Icons
 - List
 - Details
 - Toggle task list.
 - Displays only deleted files and folders.
 - Toggle Filter function.

Filter

If you would like to limit the files displayed in the file list on the right-hand side, it is possible to use the Filter function. This feature may be activated through the **View** menu or by pressing the Filter icon in the Toolbar. When activated, a series of fields will appear in which specific text may be entered

to narrow down the number of files displayed. As before, it is possible here to use place holders.

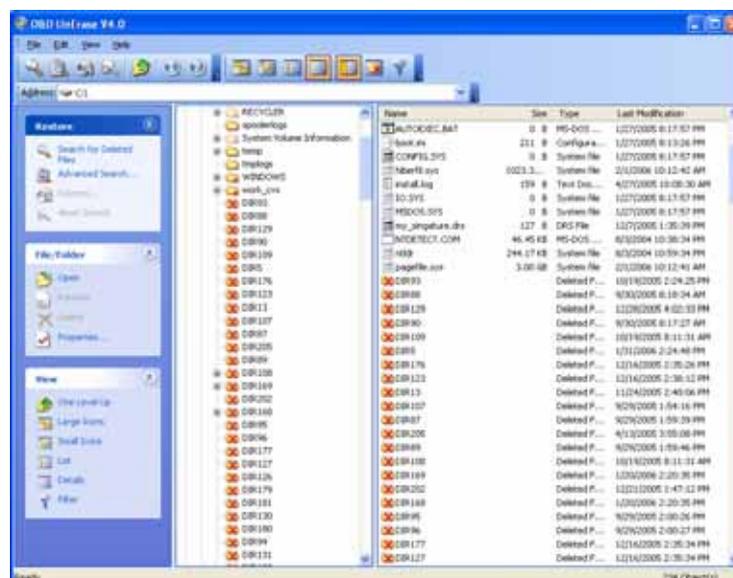


Tip: In general, it is easier and faster to just use the Advanced Search function to find and display a specific set of files.

Searching for Deleted Files and Folders

To find deleted files and folders on a drive, please follow the directions below:

1. Select from the list of drives on the system the drive which you would like to search.
2. From the **File** menu at the top of the screen select the command **Search for deleted files**.
3. The search will now be initialized. You can follow the progress of the running search in the Status Bar at the bottom of the screen.
4. After the search is completed, the files and folders found during the search will be marked in both the list of drives and files with a red "X" or arrow.



Tip: You can also execute a **Quick Search** by way of the Search field in the Toolbar. Just enter the drive letter and the path of the directory you would like to search and press **Enter** on your keyboard.

Canceling a Search

If you would like to cancel a Search, select **Cancel search** from the **File** menu or press the corresponding icon in the Toolbar. The search will then be canceled and the files and folders that have already been found will be displayed.



Tip: Alternatively you can use the keyboard shortcut **Ctrl+Esc** to interrupt a running search.

Deleted Files and Folder Designations

The red "X" indicates a file or folder is deleted. A small "X" displayed with a folder indicates that deleted files have been found in this folder, although the folder itself is still intact.

Icon	Definition
	The folder has been completely deleted (large red "X")
	The folder contains deleted files or folders (small red "X")
	This file has been deleted and can probably be restored (red arrow).

Normally the original filenames of the deleted files can be restored. However, if this is not possible, the folders and files will be generically numbered and named by O&O UnErase.

Restoring Files and Folders

The next step after deleted files or folders have been found is to restore the ones you need (if this is possible).

1. Files and/or folders you wish to restore can be selected in either the middle or right-hand panes of the Main View.

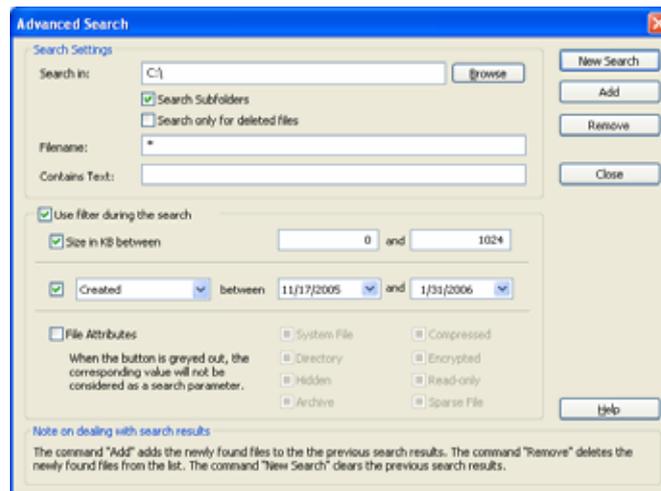
Tip: Please note that in the middle pane of the Main View only one single folder may be selected for restoration. In the right-hand pane it is possible to select more than one file for restoration by pressing the **Ctrl** key on the keyboard while selecting multiple files. To select all files in a specific folder, use the keyboard shortcut **Ctrl+A**.

2. Press the **Restore** icon on the Toolbar or select the corresponding heading in the Context Menu.
3. It is now possible to select where the restored files are to be saved. As your target directory, you may create a new folder or select one that already exists.
4. In order to avoid any possibility of data loss, it is advised that you save the newly restored files onto a different partition than the one where the files were originally stored. Please be aware that it is possible to store the files onto a network drive as well.

Tip: It is also possible to simply drag-and-drop deleted files and folders you would like to restore into a directory displayed in the Main View. The restoration of the deleted files will automatically follow.

Advanced Searches

With the O&O UnErase's Advanced Search function, you possess a powerful tool for quickly and securely finding deleted files. Through a series of user-defined search parameters it is possible to considerably increase the precision of your search result.



Search Settings

The search settings dialog enables you to define the drive or folder to be searched. If you would like to also search subfolders, select the option with the same name.

It is also a possibility to expand the search to include files that have not been deleted. To do so, please uncheck the option **Only search for deleted files**. If this option remains selected, only deleted files will appear in the search results.

Filename

In the field called **Filename**, you can either enter an exact filename or a filename containing a placeholder. For example, "*.BMP" would indicate you only wanted to search for Bitmap images.

Letter capitalizations are not considered in by the search function. You can use the special characters "*" and "?". "*", however, can be used for multiple characters, whereas "?" may only stand for a single character.

Contained Text

An especially powerful option is searching for text contained in the file. If you are looking for a file but only can remember a fragment of its name or contents, then this could be very useful to you.

Using the Filter When Searching

In order to customize your search further, it is possible to use the Filter function.

File Size

Here you can limit the size of the files that are to be searched. Just enter a range in Kbytes in which the desired file might fit.

Date

This option allows you to enter a range of dates pertaining to the file and defining how that date range is to be applied during the search:

- **Created** – Date when the file was first created
- **Modified** – Date when the file was last saved
- **Accessed** – Date when the file was last accessed

File Attributes

The search can also be narrowed down to look for specific attributes of the desired file. You can select from three options regarding each specific attribute:

- **Marked (Checked)** – The file must exhibit this attribute.
- **Unmarked (Empty)** – The file may not exhibit this attribute.
- **Marked Green** – This attribute will not be considered as a search parameter.

Running an Advanced Search

To Run an Advanced Search you have three options:

- **New Search** – A search will be initialized and all previous search results will be lost.
- **Add** – The search will be initialized and the search results will be added to the search results already displayed.
- **Remove** – The search will be initialized and those search results found will be filtered out of the list of search results already displayed.

You may repeat the search function as many times as you like, adding or removing the results from the displayed list of search results as you go. While the search is running, the search dialog box will remain closed.

When you no longer would like to run a search, you can close the search dialog by pressing the **Close** button.

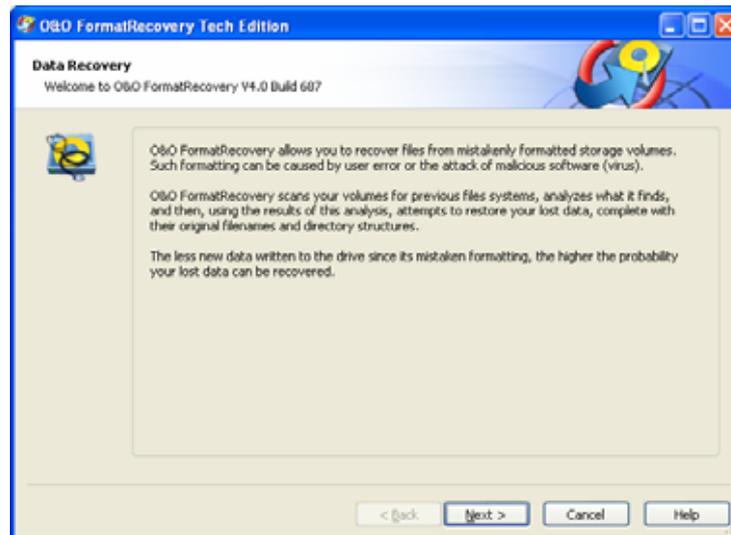
About O&O FormatRecovery

It's happened to the best of us: your hard disk is mistakenly formatted and 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. Even when Windows does not offer a viable solution for the recovery of lost data (i.e. the Recycle Bin), there still is hope with O&O FormatRecovery, 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.

The online software documentation is your best source for all details regarding the operation of O&O FormatRecovery. Access to this documentation can be made through the program group in the Start Menu or through the Help menu in O&O FormatRecovery itself. The software's internal Help file can also be reached by hitting the F1 key while the O&O FormatRecovery is running.

Main View



Selecting a Drive

Select the drive where you would like to scan for deleted data. It is possible to select a partition (e.g. C: or D:) or an entire hard disk drive. In addition you can select any storage media, from USB sticks memory cards for digital cameras. Clicking **Next** will conclude the drive selection dialog.

By default, the unpartitionable areas of a hard drive, or those located past the partitioned areas of the disk, are hidden.

If you would like to add drives after O&O FormatRecovery has been loaded (e.g. USB stick or digital camera), click on **Update Drives**. The newly connected hardware will be loaded and displayed in the list of drives.

Drives can be scanned for previous partitions and files systems. This is necessary is, for example, if a partition has been deleted or a volume has been reformatted with a different files system. To start the analysis of your storage volumes, click "**Analyze Drive**".

Note: Regardless of the size of the storage volume, this analysis could take some time.

Data Recovery Settings

After the drive has been selected, you have the opportunity to select some options that will affect the precision and duration of the scanning process. In most cases, the default settings are sufficient and do not require any modification.

Restore Empty Folders

With this option, you can have folders restored, even if they do not contain any data.

This allows for the restoration of complicated directory structures containing multiple intertwined folders.

Restore Empty Files

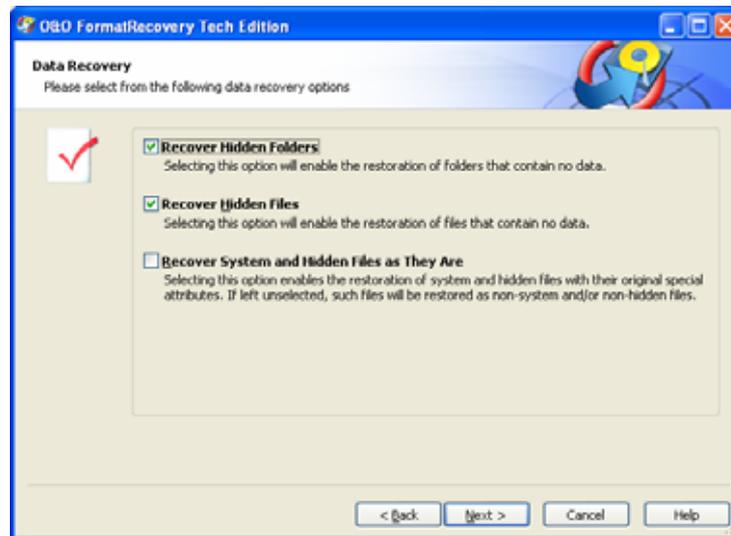
With this option, you can have files restored, even if they do not contain any data.

Restore system and hidden files as they are

This option allows for the restoration of system files and hidden files with their original attributes intact.

When this option is not selected, these files would be restored as "normal" files (Not system files, and not hidden).

Note: Please consult your folder options in Windows when modifying this setting. It is possible that files will not be visible after they have been restored.



Additional Recovery Settings

Drive Errors

This option allows you to instruct the software to ignore areas of the storage volume where drive errors have occurred.

Automatically Saving Files After They Are Found

If you would like to execute an unsupervised scan, it is possible to instruct O&O FormatRecovery to save and restore all of the scan results automatically. 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 of the software.

Running and Interrupting a Scan

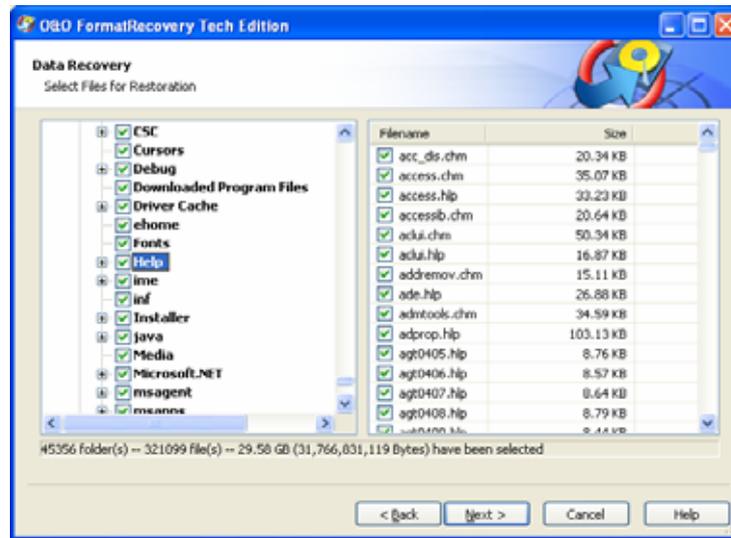
During the scan you will receive information regarding the O&O FormatRecovery scan by way of a status dialog box. In it you will find the overall progress of the scan and the number of files found to this point.

O&O FormatRecovery can be **Minimized** in to the System Tray. Pressing **Cancel** will interrupt the scan. 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.

Selecting Files for Restoration

After the scan has been completed, all found files, regardless of their respective save locations, are displayed on the left-hand side. When you are

finished selecting the files for restoration, click **Next** to continue. Click the check-box next to the drive's letter to have all of the contained files restored. In some circumstances, the sorting and listing of a large number of files can take some time.



Note: ALL found files on the scanned drive are displayed here in the list. These consists of all files and folders visible to Windows. This list does not indicate, however, whether specific files or folder restorable or not.

Selecting a Target Folder

To recover selected files you need to enter a saving location. By default your 'My Documents' folder, but any folder, including network folders, may be selected for this. O&O FormatRecovery 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.

Please note that you will not be able to save the recovered files onto the same partition where the deleted data was originally located. Also do not forget to make sure you have enough storage capacity on disk to facilitate the newly recovered files.

Click **Next** to initiate the recovery of data.

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. By default, the report will have the filename "oofr_report.rtf".

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 FormatRecovery 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 FormatRecovery 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 FormatRecovery will be closed.

About 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.

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. Even when Windows does not offer a viable solution for the recovery of lost data (i.e. the Recycle Bin), there is hope with O&O DiskRecovery, an easy and secure way to recover data you had thought were lost. O&O DiskRecovery intensely combs storage volumes for lost data and can restore files other software programs cannot.

The online software documentation is your best source for all details regarding the operation of O&O DiskRecovery. Access to this documentation can be made through the program group in the Start Menu or through the Help menu in O&O DiskRecovery itself. The software's internal Help file can also be reached by hitting the F1 key while the O&O DiskRecovery is running.

Starting O&O DiskRecovery

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 **Cancelled** at any time.

Loading a Saved Data Recovery

- Select **Load Data Recovery** and select the data recovery file. Such a file generally has the extension DRD.
- The data recovery information will be loaded and you will then be able to continue with your saved settings.

If the data volume on which you would like to recover data is not present on your system, an error message will appear.



Selecting a Drive

Select the drive where you would like to scan for deleted data. It is possible to select a partition (e.g. C: or D:) or an entire hard disk drive. In addition you can select any storage media, from USB sticks memory cards for digital cameras. Clicking **Next** will conclude the drive selection dialog.

By default, the unpartitionable areas of a hard drive, or those located past the partitioned areas of the disk, are hidden. To reverse this, unselect the option **Hide unpartitionable areas**.

Differing from unpartitionable areas, unpartitioned areas on the hard disk can also exist under some circumstances. Although these areas on the disk cannot be accessed by Windows, O&O DiskRecovery is able to scan these regions. These areas are listed in the list of partitions as RAW or "unpartitioned".

If you would like to add drives after O&O DiskRecovery has been loaded (e.g. USB stick or digital camera), click on **Update Drives**. The newly connected hardware will be loaded and displayed in the list of drives.

O&O DiskRecovery Scan Settings

After drive selection you will be able to define the settings that will have a huge effect on the precision and length of the scan. In addition you can lay down a minimum length for text files. If a device, such as a hard drive or USB stick, has been selected and not a partition, the options **O&O SmartScan** and **O&O RawScan** are supported and cannot be selected. However, the default settings are generally sufficient for most cases and therefore probably do not need to be changed.

Maximum Scan Depth for Recovering Data (O&O DeepScan)

Activate this option when you are scanning for especially small files. Please note that the O&O DeepScan requires more time to be completed.

Ignoring Existing Files (O&O SmartScan)

A common problem that occurs with data recovery is that not only deleted files are recovered. In addition, existing files are recovered which can mean tedious work for you when you have to filter through those files that already exist on your system. The O&O SmartScan takes over this job for you so that only deleted files are found and restored. This can greatly accelerate the data recovery process, depending on the settings.

Please note that this option is only available when scanning partitions and not entire devices.

Leaving Out the File System During the Scan (O&O RawScan)

If the partition on which you would like to recover data has been formatted (possibly with another file system), O&O DiskRecovery can be triggered to not scan the file system. This can increase the duration of the scan.

Please note that this option is only available when scanning partitions and not entire devices.

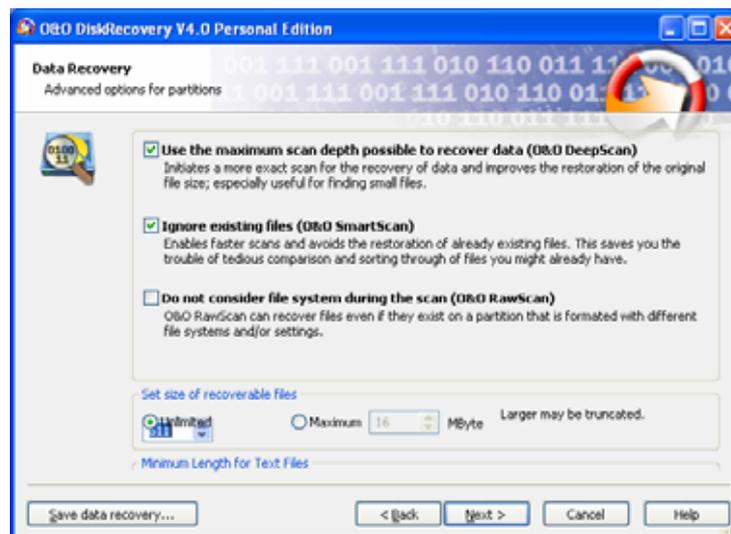
Limiting the Scan to File of a Specific Size

This function limits the scanning sequence to notice only files to files smaller than a set number of Megabytes. This maximum value can be set anywhere between 1 and 1024 MB.

By default, all recoverable files, regardless of their size, are scanned. Using this function will conserve system resources and possibly accelerate the entire scanning operation.

Minimum Length for Text Files

O&O DiskRecovery can recognize a number of different text files (HTML, source text files etc.). The default value of 512 characters means that all text files that consist of 512 characters or less will not be picked-up by the scan. If you would like to set this value lower, you can do so here. Please note that the minimum value is 16 characters; the smaller the value, the longer the scan duration.



Running and Interrupting a Scan

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.

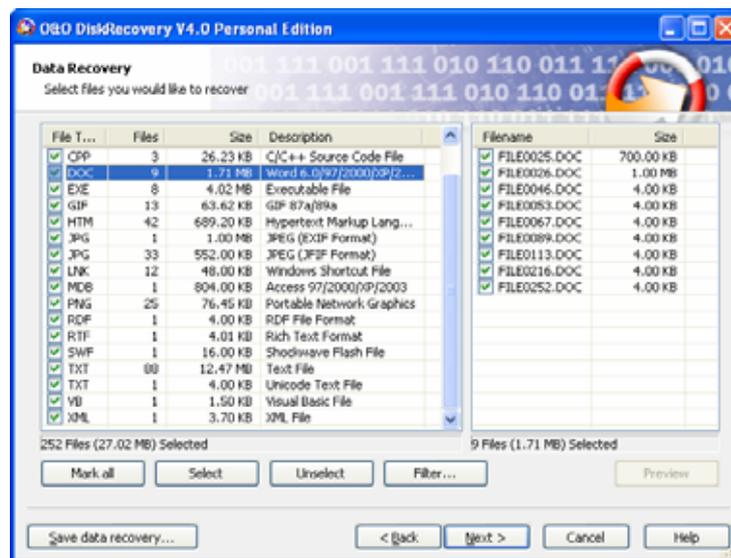
O&O DiskRecovery can be **Minimized** in to the System Tray. Pressing **Cancel** will interrupt the scan. When the scan is interrupted you will be returned to the previous page of the assistant where you will be given the option of resuming the scan or running it again.

Selecting Files for Restoration

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: In the Personal Edition the maximum number of files that may be restored in a single data recovery is 100. In both the Admin and Tech Editions of the software there is no limit to the number of files restored in a single data recovery.



For many image and text files, it is possible to view an preview before they are restored.

The preview must be activated. First select to the left a file type group and then click the **"Preview"** button. 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. The preview will appear in the space to the left of the file list.



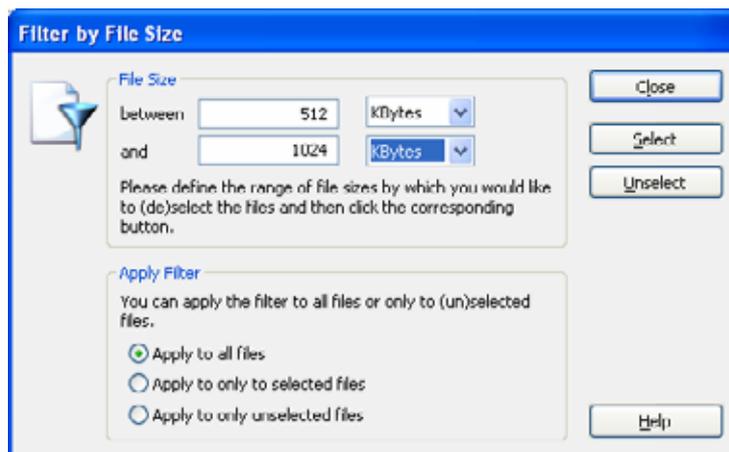
To deactivate the preview function, simply click the **"Preview"** button one more time.

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

Filter

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.

The command **Select** highlights all corresponding files for restoration. **Unselect**, in contrast, removes those highlights.



Selecting a Target Folder

To recover selected files you need to enter a saving location. By default your 'My Documents' folder, 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.

Please note that you will not be able to save the recovered files onto the same partition where the deleted data was originally located. Also do not forget to make sure you have enough storage capacity on disk to facilitate the newly recovered files.

Click **Next** to initiate the recovery of data.

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. By default, the report will have the filename "DiskRecoveryReport.rtf".

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.

O&O Support and Contact

Technical Support

To receive more information about O&O BlueCon V6, please visit our website, <http://www.oo-software.com>, and get the latest information about product developments and support. Also included on our website are regularly updated FAQs and Knowledge Bases that offer the most common problems and questions regarding our products.

All registered customers receive installation and product support free of charge for the first 90 days after registration. When contacting our support department, please do not forget to have your registration code ready.

In addition, it may be helpful to read our frequently asked questions (FAQ) section of our website before you contact our support department. It is always possible that your specific question or problem may have already been addressed.

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If you have any questions regarding the licensing of O&O software or you wish to contact O&O, please get in touch with us as follows:

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