

DiskBoss

DATA MANAGEMENT



Rule-Based File Management

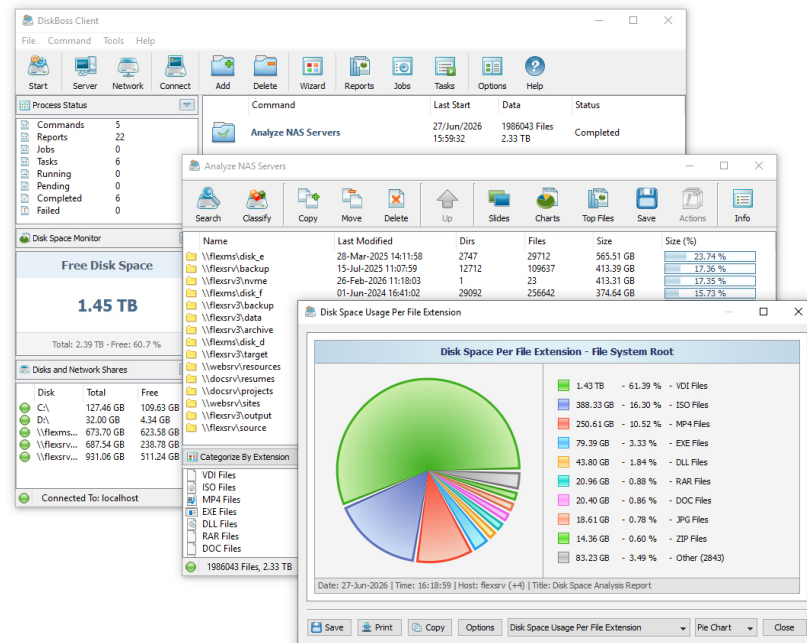
Version 17.0

Jul 2026

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1 DiskBoss Overview

DiskBoss Server is an automated, policy-based data management solution allowing one to analyze disks, directories and network shares, classify and categorize files, search and cleanup duplicate files, perform automated file management operations according to user-defined rules and policies, synchronize disks, directories and network shares, compare directories and files, perform bulk file delete and secure data wiping operations, detect unauthorized changes in files and directories, etc.



All disk space analysis and file management operations are integrated into a centralized and easy-to-use GUI application allowing one pre-configure analysis and file management operations as user-defined commands and execute any required command in a single mouse click using the DiskBoss GUI application or direct desktop shortcuts.

- Disk Space Analysis
- File Classification and Organizing
- Duplicate Files Search and Cleanup
- Bulk File Delete and Secure Data Wiping
- Automated, Policy-Based File Management
- Real-Time Disk Change Monitoring
- High-Speed File Synchronization
- Secure File Transfer Operations
- File Integrity Monitoring

DiskBoss allows one to generate various types of pie charts and save HTML, PDF, Excel, JSON, text, CSV and XML reports for all types of disk space analysis, file classification and file search operations. The user is provided with the ability to categorize and filter analysis and file classification results and perform file management operations on categories of files. IT administrators are provided with extensive SQL database integration capabilities allowing one to submit disk space analysis, file classification, duplicate files search and disk change monitoring reports into an SQL database. Reports from multiple servers and NAS storage devices may be submitted to a centralized SQL database allowing one to display charts showing the used disk space, file categories and duplicate files per user or per server and providing an in-depth visibility into how the disk space is used, what types of files are stored and how much space is wasted on duplicate files across the entire enterprise.

In addition to the DiskBoss Server GUI application, IT and storage administrators are provided with the DiskBoss command line utility, which can be used to execute all types of analysis and file management operations from batch files and shell scripts. The command line utility provides an extensive set of command line options allowing one to execute various types of disk space analysis, file synchronization, data migration and bulk file delete operations pre-configured for user-custom needs and hardware configurations.

```

c:\Program Files\DiskBoss Server\bin>diskboss -classify -dir \\flexsrv\backup

DiskBoss Server v17.0.0 (Jun 27 2026)

Operation Successfully Completed

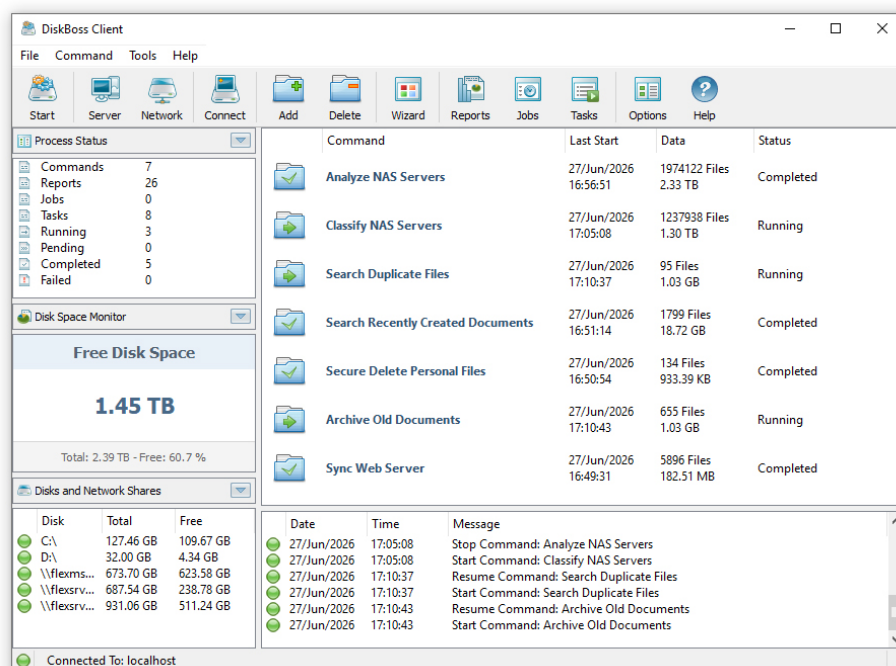
Date           - 2026/06/29
Time           - 09:52:41
Total Files    - 109637
Total Space    - 413.39 GB
Performance   - 1944 Files/Sec
Process Time   - 56 Seconds
Host Name      - flexsrv
User Name      - alex-s
Command        - File Classification
Input Dirs     - \\flexsrv\backup

Archive, Backup and Disk Image Files - 1871 Files, 277.79 GB
Movies, Clips and Video Files        - 162 Files, 89.11 GB
Programs, Extensions and Script Files - 3245 Files, 33.45 GB
Documents, Books and Help Files      - 7181 Files, 4.71 GB
Images, Pictures and Graphic Files    - 36094 Files, 3.01 GB
Music and Audio Files                - 205 Files, 2.02 GB
Miscellaneous Files                  - 3649 Files, 1.81 GB
Unknown Files                        - 11857 Files, 757.96 MB
Internet Files                       - 41996 Files, 473.81 MB
Windows Files                        - 861 Files, 259.94 MB
Development Files                    - 2516 Files, 38.84 MB

c:\Program Files\DiskBoss Server\bin>

```

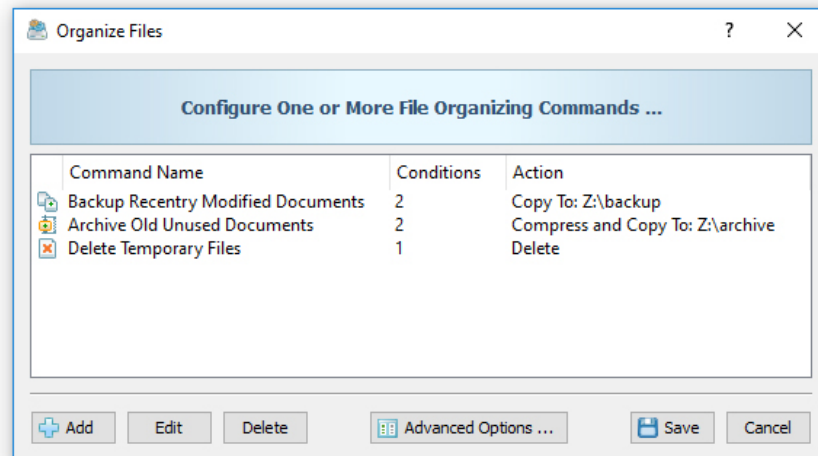
Finally, IT professionals and enterprise customers are provided with DiskBoss Server – a server-based product version, which runs in the background as a service and is capable of performing all type of disk space analysis and file management operations in a fully automatic and unattended mode according to a user-specified schedule.



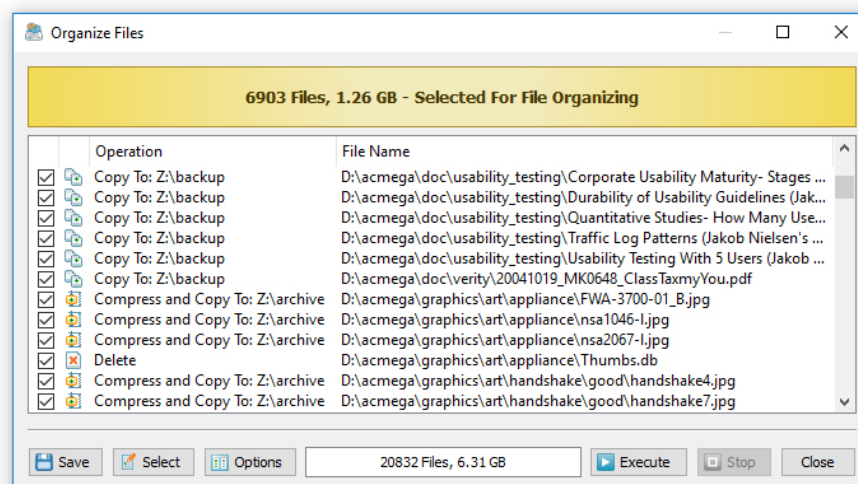
DiskBoss Server can be controlled locally or through the network using the DiskBoss client GUI application or the command line utility. DiskBoss Server provides the ability to pre-configure various types of disk space analysis and/or policy-based file management operations, schedule periodic jobs, save analysis reports into a number of different formats, export analysis results to an SQL database, periodically synchronize disks, directories and network shares and monitor critical disks and directories for unauthorized changes.

2 Rule-Based File Management

DiskBoss Server and DiskBoss Enterprise provide the ability to automatically organize and manage files according to user-specified rules and policies. DiskBoss allows one to configure one or more conditional file management operations such as the file copy, move, delete, link, compress or a user-custom command and execute these file management operations on files matching user-specified rules based on the file name, extension, type, category, size, user name, creation, last access or last modification date, text or binary patterns, etc.



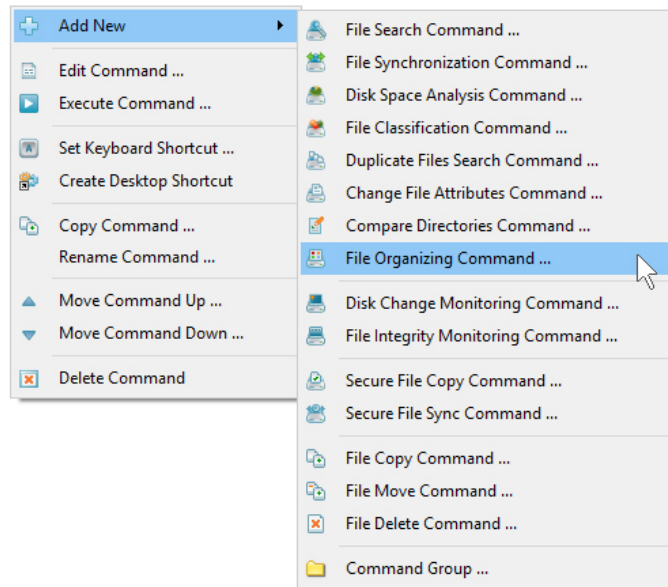
For each file organizing command, the user is provided with the ability to specify a number of disks, directories and network shares to process, configure an unlimited number of conditional file management actions with each one performing a specific file management operation on files matching one or more user-specified rules. During runtime, DiskBoss will scan the specified disks, directories and network shares, evaluate all files using the user-specified rules and execute configured actions on files matching the rules.



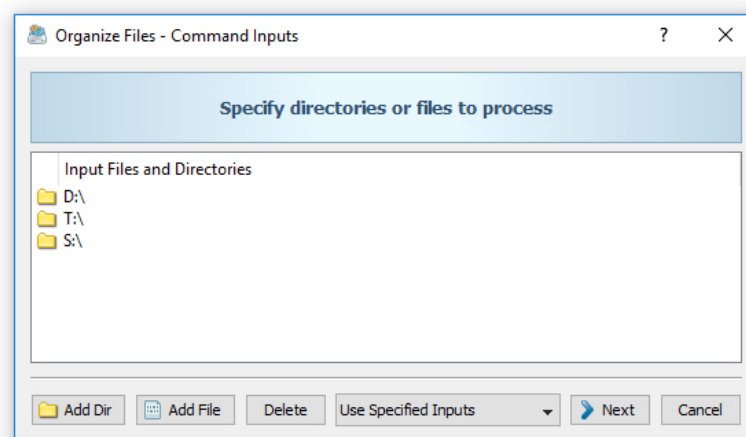
By default, DiskBoss organizes files with a preview display allowing one to review and manually confirm each specific file organizing action before execution. Once a file organizing operation is fully tested and verified, the file organizing command may be configured to be executed without the preview display in a fully automatic mode. In addition to the ability to execute file organizing operations manually, DiskBoss Server provides the ability to schedule periodic file organizing operations and/or real-time file organizing operations triggered automatically after each X disk changes according to user-specific needs and requirements.

3 Configuring File Management Commands

In order to add a new file organizing command, press the right mouse button over the commands view and select the 'Add New - File Organizing Command' menu item. On the command name dialog, enter a unique command name and press the 'Ok' button. A number of different file organizing commands may be added to the DiskBoss configuration pre-configured to process different disks and directories and perform various file management operations.

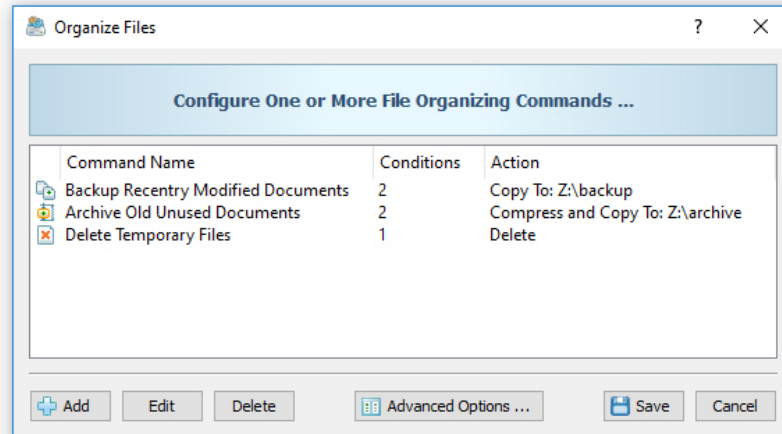


On the file organizing command inputs dialog, add one or more disks, directories or network shares to process. During the file organizing process, DiskBoss will scan the specified disks and directories, evaluate the user-specified file matching rules and execute configured actions on files matching the rules.

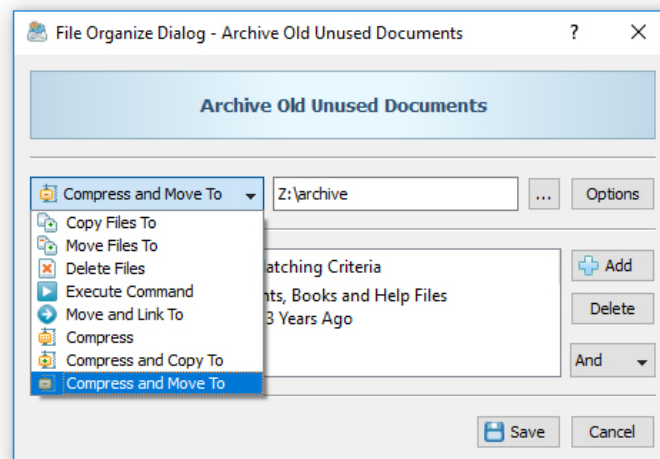


By default, DiskBoss Server will scan the specified disks and directories sequentially. But, for huge file systems containing a large number of directories and millions of files, DiskBoss provides the ability to perform parallel directory scanning and file management operations using a number of parallel threads. In order to configure parallel directory scanning and file management operations, open the file organizing options dialog, select the 'General' tab and specify how many parallel threads to use to scan directories and how many parallel threads to use to perform file management operations. Once finished configuring input disks and directories, press the 'Next' button.

The file management actions dialog, provides the ability to add a number of file organizing actions with each one configured to perform a specific file management operation on files matching one or more user-specified rules. In addition, the file organizing actions dialog, allows one to edit previously configured file management actions and customize advanced file organizing options.



In order to add a conditional file management action, press the 'Add' button, select the file management operation to perform and add one or more file matching rules specifying on which files to perform the selected file management operation. During runtime, DiskBoss will evaluate files using the specified file matching rules in the same order as file organizing actions are configured in the file organizing command. When a file is matched by a conditional file organizing action, DiskBoss will execute the associated file management operation on the file and skip evaluation of remaining conditional file organizing actions.

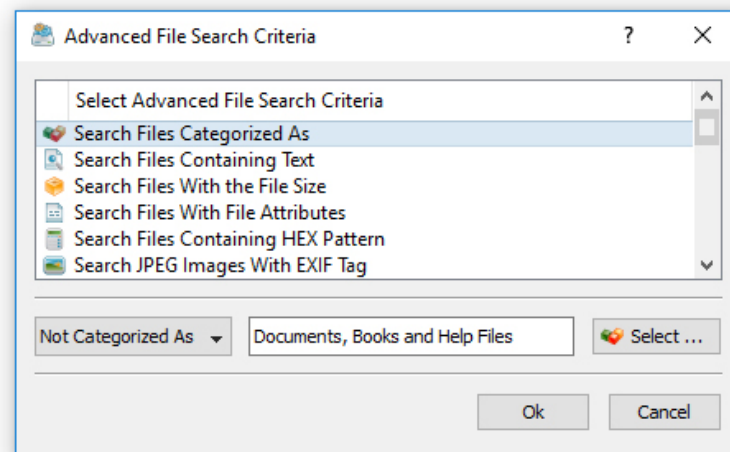


DiskBoss provides the following conditional file organizing actions:

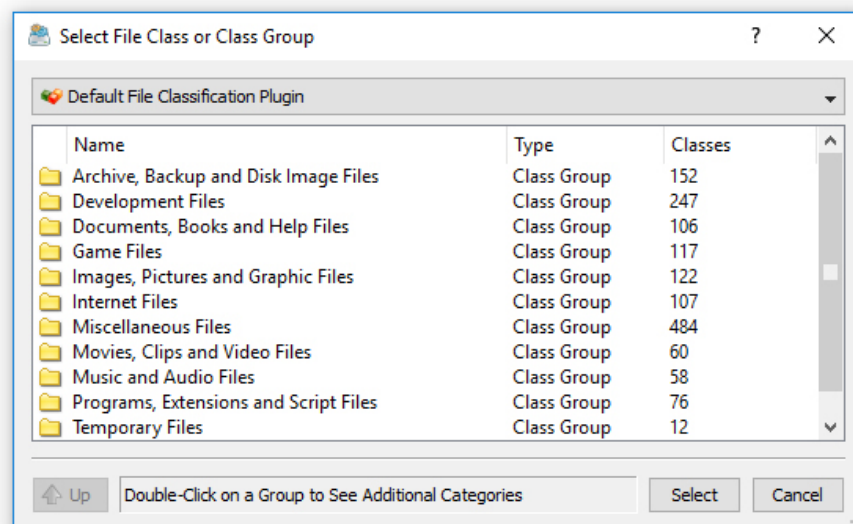
- **Copy Files To** – copies matching files to the specified destination directory
- **Move Files To** – moves matching files to the specified destination directory
- **Delete Files** – deletes matching files, optionally wipes data from the disk
- **Execute Command** – executes the specified custom command on matching files
- **Move and Link To** – moves files and creates links pointing to the new location
- **Compress** – compresses matching files in-place
- **Compress and Copy To** – copies compressed files to the destination directory
- **Compress and Move To** – moves compressed files to the destination directory

4 Using File Matching Rules

DiskBoss provides a large number of different types of file matching rules allowing one to select files by the file name, extension, type, category, size, file attributes, text or binary patterns, JPEG EXIF tags, creation, last access and modification dates, etc. The user is provided with the ability to combine multiple types of file matching rules and apply logical AND/OR operators. Moreover, power users can define hierarchical file matching rules capable of precisely selecting the exact file type or groups of files according to user-specific needs.

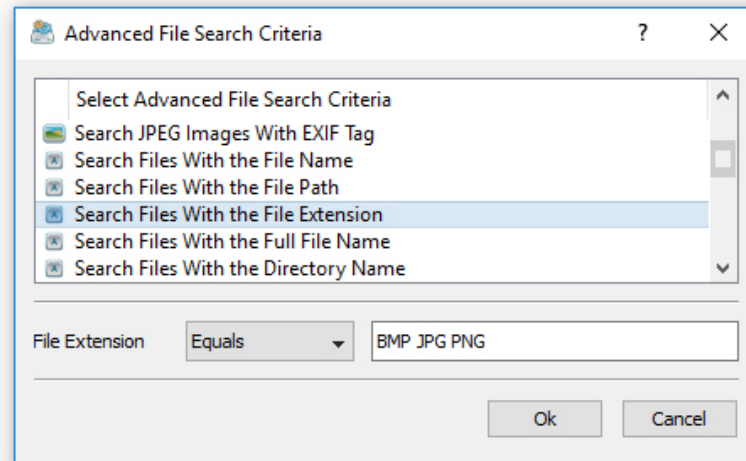


One of the most useful types of file matching rules is the 'File Category' rule, which is capable of selecting files by the file category or file type. DiskBoss includes a number of built-in file classification plug-ins capable of recognizing more than 3,500 types and categories of files allowing one to easily select specific types of files to perform file management operations on.

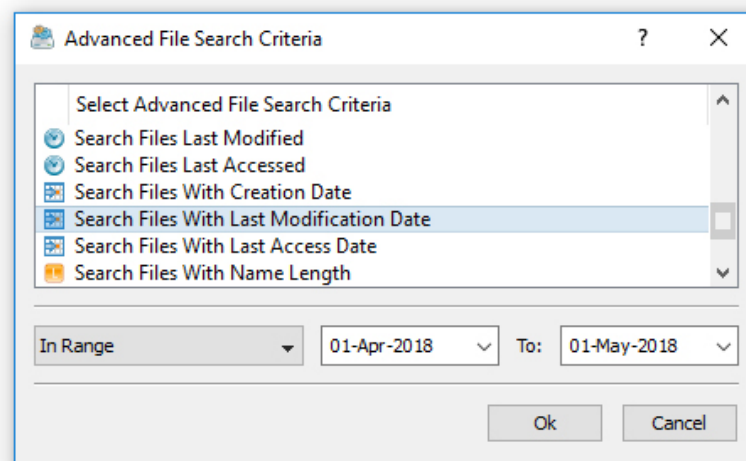


In order to add a file category rule, press the 'Add Rule' button, select the 'Search Files Categorized As' rule type, press the 'Select' button and select a file category or file type. In addition to positive file matching rules, allowing one to select which files to process, DiskBoss provides negative file matching rules capable of excluding specific types of files from the file organizing process. In order to add a negative, file matching rule, set the file category rule operator to 'Not Categorized As'. All files matching the specified negative rule, will be excluded from the file organizing process.

Another option to select files by the file type is to match files by the file extension. This option is especially useful for users required to process user-specific files not supported by the DiskBoss built-in file classification plug-ins. In order to add a file extension rule, press the 'Add Rule' button, select the 'Search Files With the File Extension', select an appropriate rule operator and enter one or more file extensions to match.



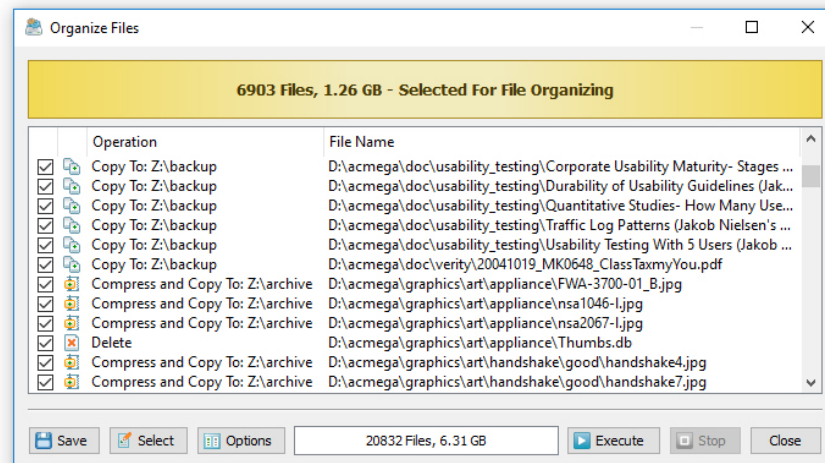
For positive file matching rules, if more than one file extension is specified, DiskBoss will match files with any of the specified file extensions. For negative file matching rules, if more than one file extension is specified, DiskBoss will exclude files with all of the specified file extensions. In a similar way, the user can match files by the file name, directory, file size, file attributes, creation, last access and last modification dates, etc.



For users required to select files by the creation, last access or last modification dates, DiskBoss provides two different sets of file matching rules - the first one is capable of matching files by relative periods of time and the second one is capable of matching files using absolute dates. For example, a rule capable of matching files that were created or modified today is a relative rule, which will always properly match files disregarding of the current date. On the other hand, a rule matching files by a hard-coded range of dates is an absolute rule, which will produce different results as the time goes by and less files will match an old rule configured a long time ago.

5 Managing Files with Preview

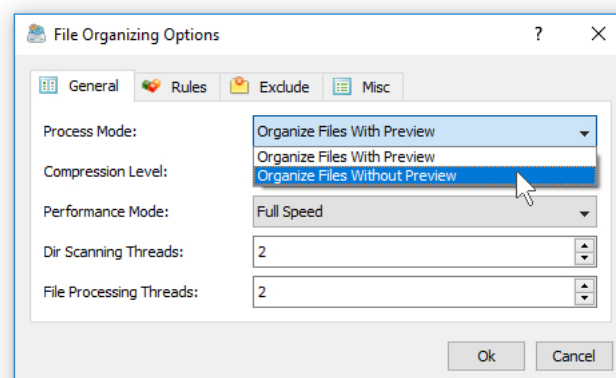
DiskBoss Server is capable of managing files using two different modes: with preview and without preview. When the preview mode is enabled, DiskBoss scans the specified disks and directories, evaluates the configured file matching rules and displays a preview dialog showing a list of file management actions that should be performed allowing one to review and manually confirm each specific file management action.



In addition, the user is provided with the ability export the list of file management actions to the HTML, text and Excel CSV report formats. Once finished reviewing file management actions, select actions that should be performed and press the 'Execute' button.

6 Managing Files without Preview

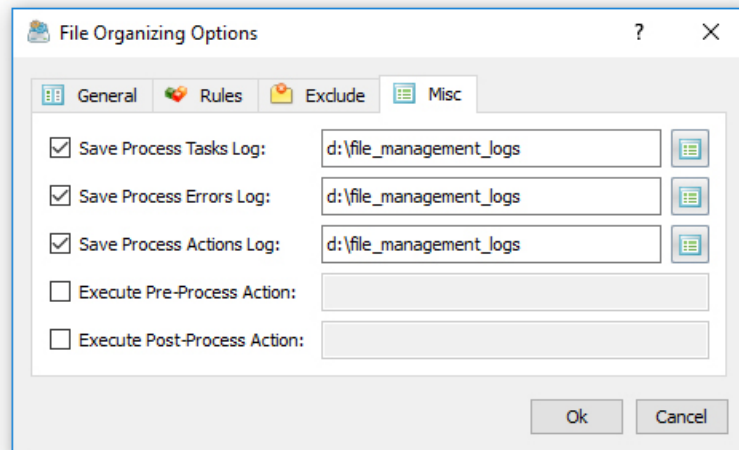
The preview mode is very useful for testing purposes, but sometimes it may be required to execute file organizing operations fully automatically without showing the preview dialog. For example, scheduled, periodic file organizing operations may be silently performed using DiskBoss Server, which runs in the background as a service and can execute file organizing operations in a fully-automatic, unattended mode.



In order to disable the preview dialog for a file organizing command, open the file organizing command dialog, press the 'Options' button, select the 'General' tab and set the process mode to 'Organize Files Without Preview'. When the preview dialog is disabled, DiskBoss will scan the specified disks and directories, evaluate file matching rules and execute file management actions on-the-fly using a minimal amount of system memory, which is very important when processing huge file systems containing millions of files.

7 Saving File Management Logs

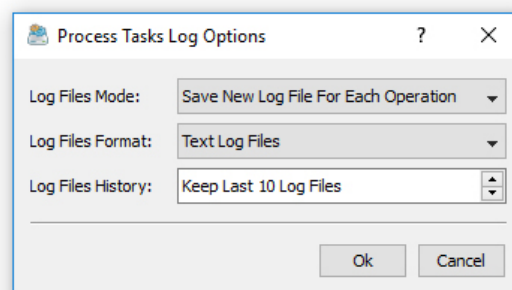
DiskBoss provides a number of different types of file organizing logs allowing one to keep track of executed file organizing tasks, performed file management actions and file management errors. In order to configure file organizing logs, open the file organizing command dialog, press the 'Options' button and select the 'Misc' tab.



DiskBoss provides the following types of file organizing logs:

- **Process Tasks Log** - this log shows summary information about each executed file organizing task including the total number of scanned files, the amount of scanned disk space, the number of files processed by the configured file management actions, the amount of disk space processed by the configured file management actions, the number of file management errors and the file organizing task process time.
- **Process Errors Log** - this log shows file management errors for each file organizing task including the date and time of each error, error description and the full file name.
- **Process Actions Log** - this log shows all file management actions that were performed by a file organizing task. This log may be very useful for testing purposes, but for large file systems containing millions of files, this log may generate large log files containing very long lists of performed file management actions.

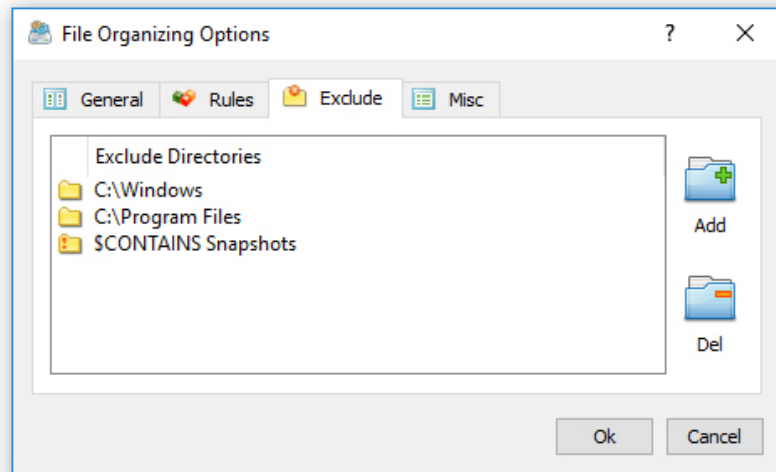
For each log, DiskBoss provides the ability to control the directory where to save all log files, the log file mode, the log file format and the number of history log files to keep in the log files directory. The user is provided with three different log files modes allowing one to save an individual log file for each file organizing task, a consolidated hourly log file, a consolidated daily log file or a consolidated monthly log file.



By default, DiskBoss will save log files in the plain text format, but also the user is provided with the ability to save log files in the Excel CSV format. Finally, DiskBoss allows one to control how many log files to keep in the log files directory.

8 Excluding Subdirectories

Sometimes, it may be required to exclude one or more subdirectories from the file organizing process. For example, if you need to organize files in a disk excluding one or two special directories, you may specify the whole disk as an input directory and add the directories that should be skipped to the exclude list.



In order to add one or more directories to the exclude list, open the file organizing command dialog, press the 'Options' button, select the 'Exclude' tab and press the 'Add' button. All files and subdirectories located in the specified exclude directory will be excluded from the file organizing process. In addition, advanced users are provided with a number of exclude directories macro commands allowing one to exclude multiple directories using a single macro command.

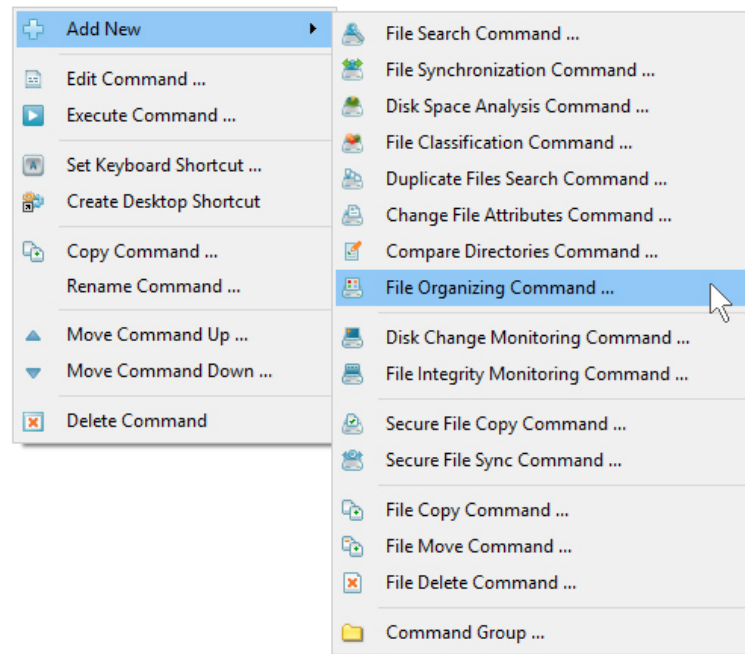
DiskBoss provides the following exclude directories macro commands:

- **\$BEGINS <Text String>** - this macro command excludes all directories beginning with the specified text string.
- **\$CONTAINS <Text String>** - this macro command excludes all directories containing the specified text string.
- **\$ENDS <Text String>** - this macro command excludes all directories ending with the specified text string.
- **\$REGEX <Regular Expression>** - this macro command excludes directories matching the specified regular expression.
- **\$DIRLIST <File Name>** - this macro command excludes all directories listed in the user-specified specified text file.
- **\$FILELIST <File Name>** - this macro command excludes all files listed in the user-specified specified text file.

For example, the exclude macro command '\$CONTAINS Temporary Files' will exclude all directories with 'Temporary Files' in the full directory path and the exclude macro command '\$REGEX \.(TMP|TEMP)\$' will exclude directories ending with '.TMP' or '.TEMP'.

9 Pre-Configured File Organizing Commands

One of the most powerful and flexible capabilities of DiskBoss is the ability to pre-configure custom file organizing operations as user-defined commands and execute such commands in a single mouse click using the DiskBoss GUI application or direct desktop shortcuts.



User-defined commands may be managed and executed through the commands dialog or the commands tool pane. In order to add a new command through the commands pane, press the right mouse button over the pane and select the 'Add New - File Organizing Command' menu item. In order to execute a previously saved command, just click on the command item in the commands view or create a direct desktop shortcut on the Windows desktop.

10 Using the DiskBoss Command Line Utility

In addition to the DiskBoss GUI application, power users and IT administrators are provided with the ability to execute pre-configured file organizing commands from batch files and shell scripts using the DiskBoss command line utility, which is located in the '**ProductDir\bin**' directory.

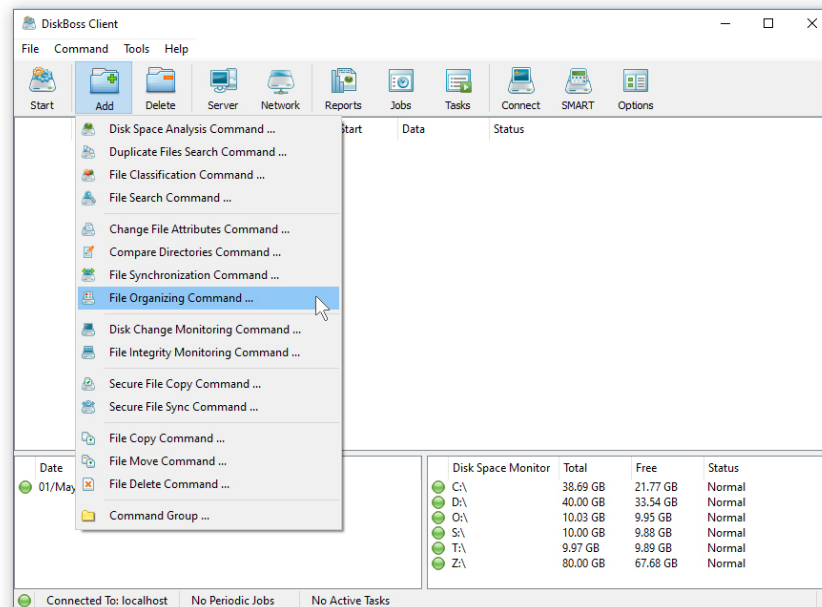
In order to execute a pre-configured file organizing command using the DiskBoss command line utility, open the command prompt window in the '**ProductDir\bin**' directory and type the following command:

```
diskboss -execute <File Organizing Command Name>
```

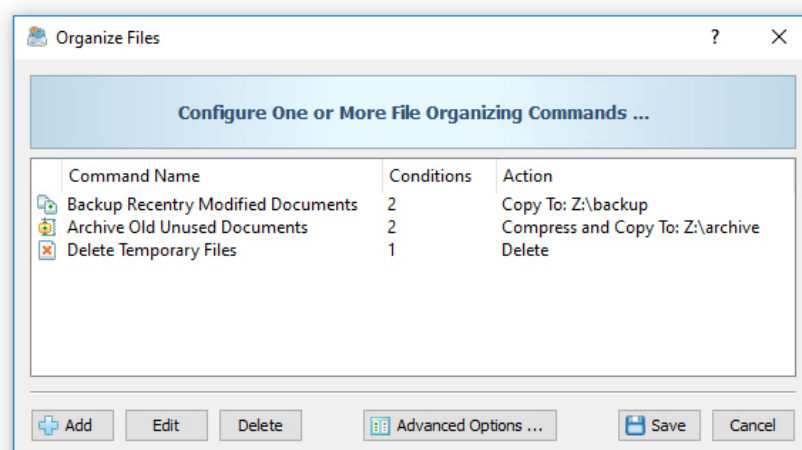
DiskBoss will execute the specified file organizing command and display the total number of files and the amount of disk space in the specified disks and directories and the number of files that were actually processed by the configured file management actions.

11 Using DiskBoss Server

DiskBoss Server is a server-based version of DiskBoss, which runs in the background as a service and is capable of executing file organizing commands periodically at user-specified time intervals or automatically, triggered by real-time disk activities in one or more disks or directories. DiskBoss Server may be managed and configured locally or remotely through the network using a client GUI application or the DiskBoss command line utility.



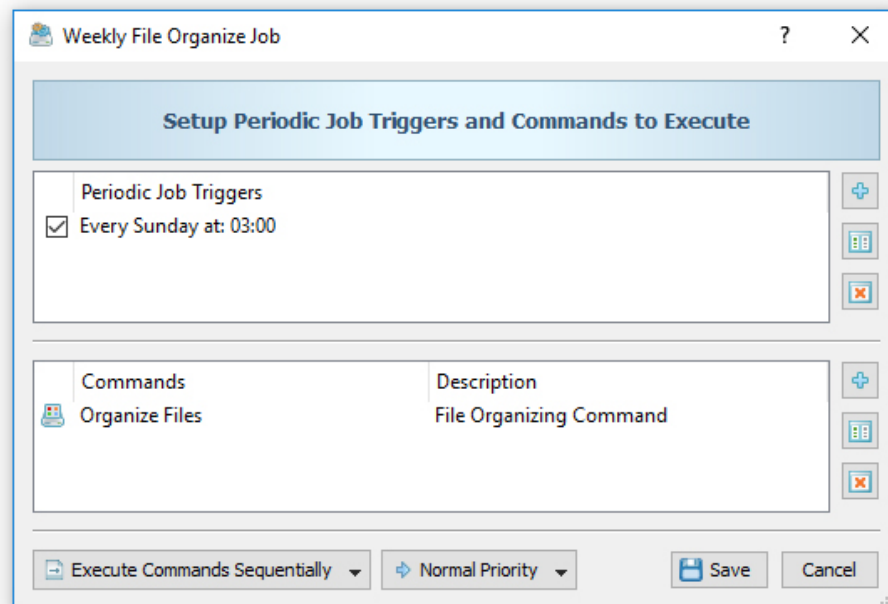
In order to create a file organizing command in DiskBoss Server, connect to the server using the DiskBoss client GUI application, press the 'Add' button located on the main toolbar and select the 'File Organizing Command' menu item. On the command name dialog, enter a unique command name and press the 'Ok' button. On the 'Command Inputs' dialog, specify disks and directories that should be processed and add one or more file organizing actions that should be executed.



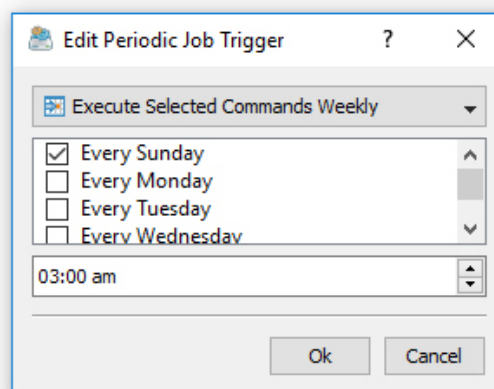
In the simplest case, create a new periodic job, configure the time interval the job should be executed at and set the periodic job to trigger the newly created file organizing command. In order to be able to execute the command fully automatically, set the command to execute without the preview dialog. Alternatively, create a disk change monitoring command and configure the disk change monitoring command to execute the file organizing command after each X file system changes.

12 Periodic File Management Commands

Sometimes, it may be required to execute one or more file management operations periodically at specific time intervals or according to a user-specified schedule. DiskBoss Server, which runs in the background as a service, provides the ability to periodically execute file organizing operations in a fully automatic, unattended mode.



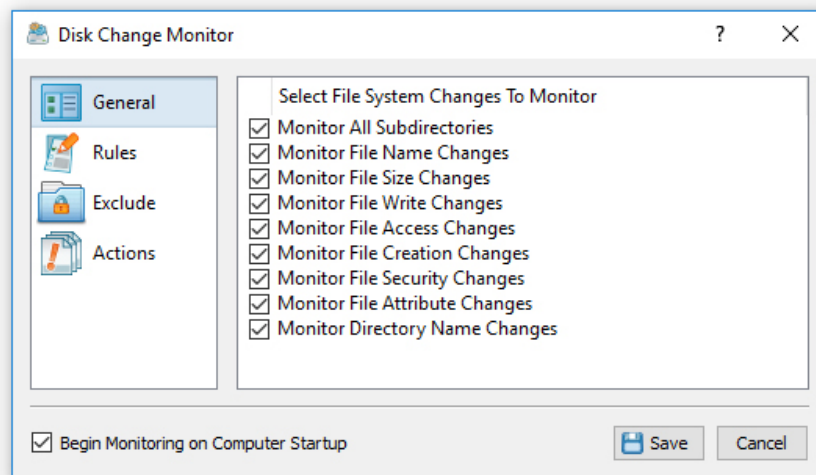
In order to schedule periodic execution of one or more file organizing commands, open the DiskBoss client GUI application, press the 'Jobs' button located on the main toolbar and press the 'Add' button to add a scheduled, periodic job. On the periodic job dialog, add one or more job triggers and select one or more file organizing commands to be executed.



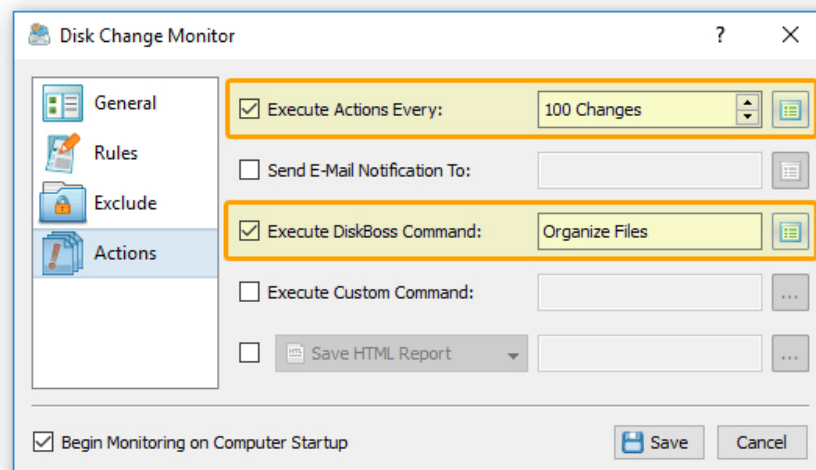
DiskBoss Server provides the ability to configure multiple triggers for each periodic job allowing one to precisely specify when the selected file organizing operations should be executed. For example, the user can configure simple periodic jobs to be executed every X minutes or hours, daily jobs to be executed every day at a specific time, weekly jobs to be executed on specific week days and monthly periodic jobs. In addition, DiskBoss allows one to combine multiple different types of periodic job triggers allowing one to apply different scheduled for different days of the week or days of the month.

13 Real-Time File Management Commands

DiskBoss Server provides the ability to monitor one or more disks or directories, detect all added and modified files and automatically trigger a file organizing operation after each X disk changes. In order to create a disk change monitoring command, open the DiskBoss client GUI application, press the 'Add' button and select the 'Disk Change Monitoring Command' menu item. Select the 'Command Inputs' dialog and specify disks and/or directories to monitor.



Select the 'Actions' tab, enable disk change monitoring actions, specify the number of changes to trigger the disk change monitoring actions, select the 'Execute DiskBoss Command' action and specify the name of the file organizing command to execute after each X disk changes.



During runtime, DiskBoss Server will monitor the specified disks and directories, detect all added and modified files, trigger the selected file organizing command after each X disk changes, scan all existing directories and files, evaluate file matching rules and execute the configured file management actions on files matching the rules.