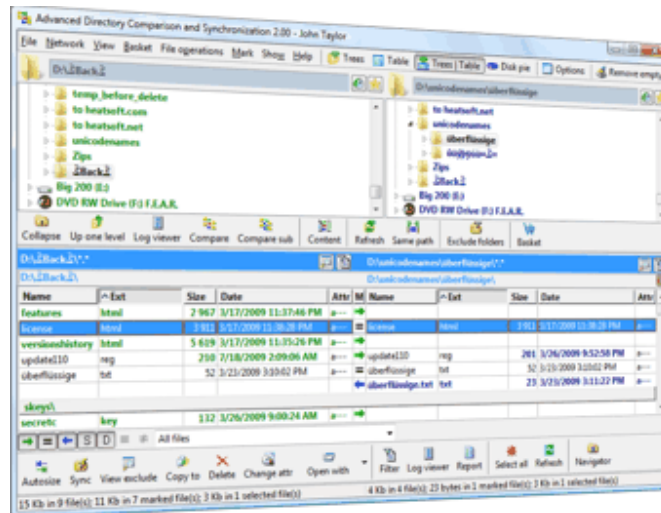


ADVANCED DIRECTORY COMPARISON AND SYNCHRONIZATION version 2.01



User Guide

Contents

1	Introduction	
1.1	What is ADCS	3
1.2	Features	4
1.3	System Requirements	5
1.4	Support and feedback	5
1.5	Getting program updates.....	6
1.6	Information for registered users	6
1.7	Frequently Asked Questions	7
1.8	Install Heatsoft ADCS	9
1.9	About Heatsoft Corporation.....	11
2	Quick start tutorial	
2.1	Tutorial 1: Sync Home and Office.....	12
2.2	Tutorial 2: Do the MIRROR COPY of folder	15
2.3	Tutorial 3: Do BACKUP COPY of folder.....	16
2.4	Tutorial 4: Print a content of folder.....	16
2.5	Tutorial 5: Ensure that data CD has SAME CONTENT as source data on hard drive.....	17
2.6	Tutorial 6: Delete all files with extensions tmp, bak, old, \$\$\$.....	17
2.7	Tutorial 7: Copy files differences to the special folder	18
2.8	Tutorial 8: Find all files with extensions gif, bmp, jpeg, jpg.....	18
2.9	Tutorial 9: Start tutorial of the Disk space viewer	19
3	User interface	
3.1	The main window	20
3.2	About the toolbars.....	21
3.3	Directories tree.....	25
3.4	Favorites list	26
3.5	Directories pairs basket.....	27
3.6	Comparison table	29
3.7	List of compared folders (Navigator).....	30
3.8	The system information.....	31
3.9	The options window	33
3.10	The keyboard shortcuts	44
3.11	Multilingual support	46
4	File operations	
4.1	Comparison start tutorial.....	47
4.2	Comparison modes.....	48
4.3	Set what files will be shown	49
4.4	Synchronizing directories.....	50
4.5	Copy files	53
4.6	Filtering files	54
4.7	Delete files.....	56
4.8	Change file date/attributes	57
4.9	Open with defined application.....	59
4.10	Create a comparison report.....	60
4.11	Remove empty folders	63
5	Disk space viewer	
5.1	Overview	64
5.2	Start tutorial	65
5.3	The keyboard shortcuts.....	65
5.4	The viewer toolbar	66
5.5	The viewer options	67
6	Registration and Licensing	
6.1	Ordering Information	69
6.2	Privacy policy	69
6.3	Return policy.....	69
6.4	License agreement	70
6.5	Earn registration	70

1 Introduction

1.1 What is ADCS?



ADCS is an intuitive directories comparison and synchronization utility from Heatsoft. It will be useful for anyone, who shares documents/programs with friends and colleagues.

ADCS is a very fast and easy-to-use Directory and File synchronizer. Its main function is to synchronize the files in a selected directory and its sub-directories on two different directories or drives which can be on the same computer or different computers over a network. It is ideal for keeping files synchronized between a desktop & laptop or between multiple drives on you desktop and is a very fast method of backing up critical directories.

With ADCS you can compare two directories including sub-directories with each other, and then copy the files with differences to the target directory, or any other directory.

The overview of Heatsoft ADCS:

Use ADCS to compare and synchronize folder contents. Select your two directories to generate an easy-to follow side-by-side comparison. File size, time/date stamp, and attributes are prominently shown, along with color-coded arrows clearly marking the status of each file involved in the comparison. You can apply filespec filters, copy selected files to a third folder, and execute synchronizations with a single mouse-click.

Other features include directories recursion, multi-directories comparison, .csv and HTML-based comparison reports, disk space viewer, custom sorting and display options, and support for bookmarking frequent synchronization tasks.

Who can benefit from Heatsoft ADCS?

Everyone who must maintain multiple copies of files or folders can benefit from Heatsoft ADCS.

Do you work on your files at home and at the office? Are you a frequent business traveler?

With users working at home, on the road or in the office, it's hard to keep all of the PCs current with the latest files and data. Documents, databases, spreadsheets, sales and contact information all can get changed several times a day. How is the work coordinated on all of the various PCs, making sure that all systems contain the most recent versions of all of the files? Heatsoft ADCS is a tool that solves this problem.

Are you a computer professional: a Programmer, Tester, Trainer, Network Administrator, or Support Technician?

If so, this utility is a MUST. Whenever there are duplicate copies of files/folders across a network, there is always a risk that they may be out of sync. Heatsoft ADCS can eliminate this risk. No more painful inspections for missing files when setting up directories or applying file updates. Creating and comparing test/development folders, applying new program updates/patches, these become more carefully controlled processes by greatly decreasing the risk of human error.

1.2 Features

Comparison and Synchronization features

- Side-by-side comparison of two directories.
- Comparison and Synchronization with subdirectories.
- Extended synchronization mode for fast performing the operations of Mirror copy and Backup.
- Ability to do simultaneous multi-directories comparison (Directories pairs basket).
- Support Unicode filenames.
- Comparison files by content.
- Detect differences in file size, timestamps, attributes.
- Ability to change copy direction for synchronization.
- Ability to exclude directories from a comparison.
- Allows unlimited # of levels of sub-directories to be included in the synchronization.
- Ability to Safe copying files.

Display features

- Visibility filters.
- Explorer-style tree of embedded directories.
- Color emphasis for different files.
- Preview synchronization window.
- Comfortable navigation in file list, including mask selection.
- Multiple files filter. Allows to use Include and Exclude files filters.
- Advanced include filter by file date, file size, file attributes.
- List of compared directories (Navigator). Allows to quickly move through the comparison table.
- Refresh drives in the directories tree.
- Ability to refresh comparison table.
- Ability to sort the comparison by name, type, date, size of files.
- Controlling which files will be shown.
- Ability to define where the ADCS icon will be shown.
- Ability to show or hide hidden and system files in the comparison table.
- Ability to customize toolbars.
- Shows refresh progress window when you activate ADCS.
- Shows file's path in the comparison table.
- Ability to control which files will be show in the preview synchronization window.
- Ability for change ADCS GUI language (multi-language).

File and Directory Operations

- Ability to create, delete and rename directories.
- Ability to copy or delete files.
- Copying of files with conservation of structure of directories.
- Change date/attributes for selected files.
- Add the network neighborhood in the directories trees.
- Ability to adjust date/time stamps relatively.
- Ability to explore folders in the directories trees.

Comparison Criteria

- Comparison rules. You can change directory comparison criteria (timestamp, size, attributes).
- Ignore NTFS/FAT differences (can ignore FAT 2 second rounding).
- Ability to ignore daylight savings (in most time zones the difference is 1 hour).
- Ability to adjust timezone difference manually.

Information features

- Disk space viewer. Allows to view a directories structure and their size via piechart.
- System information. Information about software, hardware and network on your computer.
- Shows the properties window for drive, directory or file.

Services features

- Ability to store log files for synchronize, copy and delete operations.
- Ability to generate comparison report. Allows generate comparison report.
- Saves your favorite directories for fast repositioning.
- Network connections. Allows to connect and disconnect network drives.
- Explore a folder of selected file in the Comparison table with Windows explorer.
- Ability to open files in their associated application.
- Ability to open files with defined application.
- Ability for changing method for refresh comparison table.
- Ability to enable/disable sound confirmation.
- Ability to define which confirmation window will be shown.
- Ability to remove empty folders.

Other features

- Making its easy to install, move or delete.
- Context help.

1.3 System Requirements

Desktop or notebook computer with:

- 64 MB RAM or more
- 4.2 MB of hard disk space

One of following operating systems:

- Windows 7
- Windows Vista
- Windows XP
- Windows Server 2008
- Windows Server 2003
- Windows 2000
- Windows NT

1.4 Support and feedback

Technical Support

Registered users are entitled to technical support, should the need arise. Please contact us by e-mail at support@heatsoft.com

Important note

This version program has been created for functioning in Microsoft Windows NT/2000/XP/2003/2008/Vista/7. If you experience any problems please inform us about it!

All mentioned Trademarks and Copyrights belong to their respective owners.

Before you contact us, please do the following:

- Be sure that you're doing everything right. We all make mistakes sometimes... Be attentive.
- Look at the Help file: it may already contain an answer to your question. A lot of people ask us something like "how do I:", though the complete information is there.
- Visit Heatsoft ADCS home page in the Internet at <http://www.heatsoft.com/adcs/ADCSindex.html>

It's a good chance that you'll find the newer version of Heatsoft ADCS there. If the serious bug has been found in the program, but the new version is not ready yet, we make the hot fix for it.

But if you still have a problem with Heatsoft ADCS and nothing else helps, please contact technical support at feedback@heatsoft.com

Please inform us about the following:

- Heatsoft ADCS version (from "About" dialog).
- Where did you get Heatsoft ADCS (http or ftp site).
- Windows NT/2000/XP/2003/2008/Vista/7 version (including service packs and other fixes installed), US or international, OEM or not.
- Computer information: CPU type and speed, installed memory.
- Description of your problem (as much information as possible to retrieve the problem).

In order to get the complete computer information (working under Windows XP), open the Control Panel, click on "System" icon and select tab "Hardware" in the "System properties" window.

If you have any comments or suggestions for the next releases, please don't hesitate to email them to us feedback@heatsoft.com

Feedback

If you have any comments or concerns about ADCS please direct them to feedback@heatsoft.com or <http://www.heatsoft.com/adcs/ADCSsupport.html> Your feedback is important to us in order to get an idea of how to make Heatsoft ADCS a better product for you. Many of Heatsoft ADCS features and significant portions of Heatsoft ADCS interface have been heavily influenced by comments from users. So if you have a grand idea for a new feature, or a better way of doing something, please drop us a note.

1.5 Getting program updates

Important!

If you've got ADCS not from our web page, but from the other source (magazine CD or some software library), please visit our home page:

<http://www.heatsoft.com/adcs/ADCSdownload.html>

- you'll probably find the latest version. Usually, **we release new version of ADCS about once within every three months.**

1.6 Information for registered users

Registered users who have purchased a license of Heatsoft ADCS from Heatsoft Corporation are eligible for a free upgrade to ADCS v2.01. To upgrade, send an email message to support@heatsoft.com including the name and email address that you used when you purchased the license. And we'll email you registration information within 24 hours.

1.7 Frequently Asked Questions

This page holds the answers to common questions that are asked about Heatsoft ADCS. If you have a question that should be included in this FAQ, please mail it to support@heatsoft.com.

Using application

- Is there an easy way to move ADCS settings from one system to another?
- Can I adjust date/time stamps relatively with +60 mins or + 1hr?
- Will I need a copy of the software on both the desktop & notebook?
- How long would ~1GB of data going from one drive to the other take?
- I am looking for an easy way to synchronize my two computers so I can use my notebook at the office.
- I would need to filter out (exclude) directories, is that possible?
- I need to print folder contents. Can ADCS do this?
- How does the program function? Who can use the program?
- What are the advantages of ADCS?
- I have to check always the same directories, it's time consuming to change the directories all the time. How can I do it with one mouse click?
- How can I easily rename a directory?
- How can I save or print a list of files from compared directories?
- Could you tell me what ports are required by ADCS and Windows to sync files between two servers?
- What is -Safe copying files-?

Registration/activation

- How long is your evaluation period?
- What is the upgrade policy?

Answers

Q: Is there an easy way to move ADCS settings from one system to another? I'm talking about the Directory Pairs Basket, configured filter masks, exclude patterns, and whatever other user pref settings we've configured. I just had to move my dev environment in a hurry, while the drive was dying on my work system. It would be really great to be able to move my settings too.

A: All the ADCS settings are stored in one single file 'adcs.ini'. You can find location of the file at the 'General' page in the 'Options' window (shortcut **Ctrl+O**). For example:

'C:\Users\%USERNAME%\AppData\Local\Heatsoft\ADCS\adcs.ini'

To restore your settings just copy the file into a new ADCS folder for 'adcs.ini'.

Q: Can I adjust date/time stamps relatively with +60 mins or + 1hr? That would be helpful for people with digital cameras too, instead of constantly adjusting date/time of your camera (or more commonly as in my case if you forget to adjust), you can adjust the files' stamps according to the country you traveled, +12 hr for Japan maybe).

A: Yes, you can adjust date/time stamps in the **Change attributes/timestamp for files window** in this way. To activate the window select menu item **Change date/attributes for selected files (ALT+T)** from the context menu or from the main menu item **File operations**.

Q: Will I need a copy of the software on both the desktop & notebook?

A: It's enough to have one copy of ADCS either on desktop or notebook.

Q: How long would ~1GB of data going from one drive to the other take?

A: The time is depending on your hardware/network speed. Replication's time is approximately the same as Windows Explorer takes.

Q: I am looking for an easy way to synchronize my two computers so I can use my notebook at the office.

A: ADCS is easy, fast and flexible. ADCS allows to do the same things in different ways. Just try the software.

Q: I would need to filter out (exclude) directories, is that possible? Instead of adding dozens of pairs to the "favorites" when updating 100 Mb Zip-disks with lots of work-directories and a couple "temp" directories, it would be handy to be able to exclude only the "temp"-dirs.

A: Yes, now ADCS provides this ability - ability to exclude directories from a comparison.

Q: I need to print folder contents. Can ADCS do this?

A: Yes. ADCS can help you to print folder contents. You may learn how do it in our comparison report tutorial.

Q: How does the program function? Who can use the program?

A: ADCS is a powerful tool for directories synchronization. It will be useful for anyone, who shares documents/programs with friends and colleagues. If you want to synchronize data between home and office or desktop and notebook computers, when with ADCS you can easily see what have changed in your directories and then transfer changes with single mouse click. Actual tasks which can be solved with Heatsoft ADCS are described in the tutorials.

Q: What are the advantages of ADCS in comparison with the others programs?

A: While there are a lot similar programs on the market, ADCS has some unique features, listed below.

Some features of Heatsoft ADCS:

- Comparison and Synchronization with subdirectories
- Several Synchronization modes
- Ability to do simultaneous multi-directories comparison (Directories pairs basket)
- Explorer-style tree of embedded directories
- Visibility filters
- Preview synchronization window
- Comparison files by content
- Comfortable navigation in file list, including mask selection
- Ability to sort the comparison by name, type, date, size of files.
- Ability to create, delete and rename directories.
- Ability to copy or delete files
- Compare rules. You can change directory comparison criteria (timestamp, size, file attributes)
- Disk space viewer. Allows to view a directories structure and their size via piechart
- Ability to generate comparison report. Allows generate comparison report
- Saves your favorite directories for fast repositioning

Q: I have to check always the same directories; it's time consuming to change the directories all the time. How can I do it with one mouse click?

A: To check the same directories at this time you can use bookmarks in the Favorites list (shortcut **Ctrl+F**).

Q: How can I easily rename a directory? The current name of the directory should be given as the default!

A: In the directories tree select the directory and press **SHIFT+F6**. This opens the in place rename box. To rename the directory, type the new name and press **ENTER**.

Q: How can I save or print a list of files from compared directories?

A: You can generate the comparison report and then print it. To generate the comparison report select menu item Comparison report from menu File.

Q: Could you tell me what ports are required by HAS and Windows to sync files between two servers?

A: ADCS uses windows SMB technology for it's calls to network drives (Windows File Sharing). Depending on whether you are running Netbios over TCP/IP or not, the ports would be:

- Win200+ Non Netbios ports- 445
- NetBios over TCP/IP - 137,138, 139

If you can map a drive using windows file sharing between the two servers, ADCS should work.

Q: What is -Safe copying files?

A: Ability to **Safe copying files** allows to protect overwriting file until success file replication is done. When **Safe copying files** is on ADCS will copy a file to a temporary file, and when file replication is successfully done ADCS will overwrite old file with new one. You can turn on **Safe copying files** in the page General in the Options window.

Q: How long is your evaluation period?

A: Actually 30 days. But you can evaluate the program as long as you need. ADCS doesn't expire after the 30-days period.

Q: What is the upgrade policy?

A: There is one-time fee for purchasing Heatsoft ADCS. A registered user has a "perpetual license", and does not need to repay in order to activate or upgrade ADCS. All the future ADCS upgrades will be completely free for the user. We release the updates about once a month.

1.8 Install Heatsoft ADCS

Important!

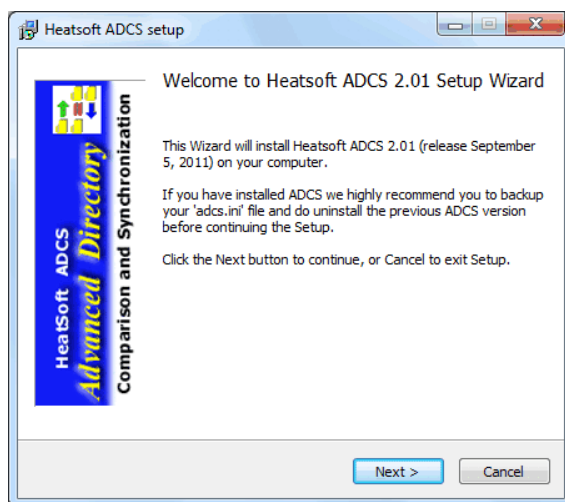
If you've got ADCS not from our web page, but from the other source (magazine CD or some software library), please visit our home page:

<http://www.heatsoft.com/adcs/ADCSdownload.html>

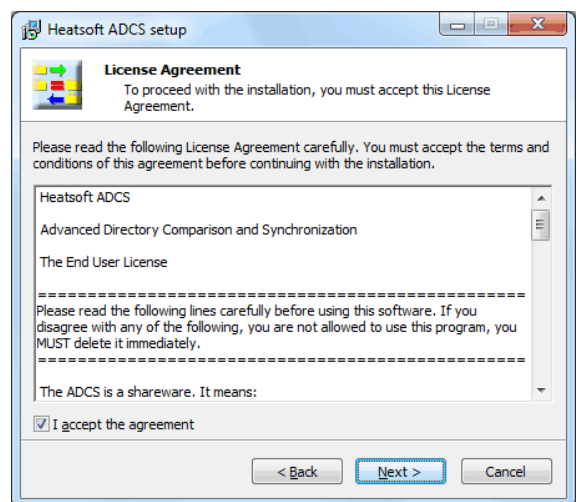
- you'll probably find the latest version. Usually, **we release new version of ADCS about once within every three months.**

To install Heatsoft ADCS, unpack the **ADCSheat.zip**, execute the **ADCSv2013_setup.exe** and follow the instructions. You'll need to select the target directory and the components to install.

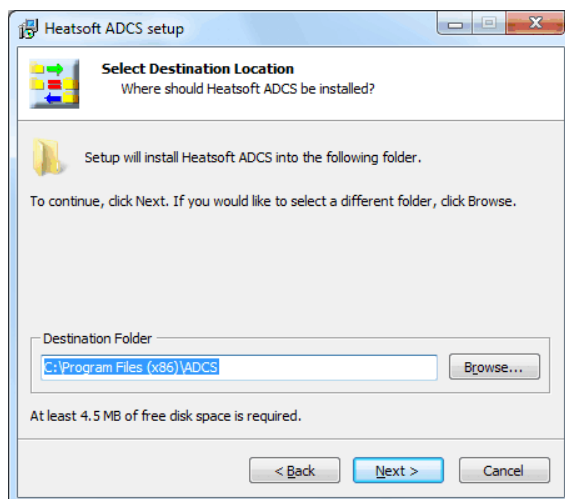
The installation procedures and screen shots are based on Windows 7 operating system. For those of other OS, please follow its on-screen instructions.



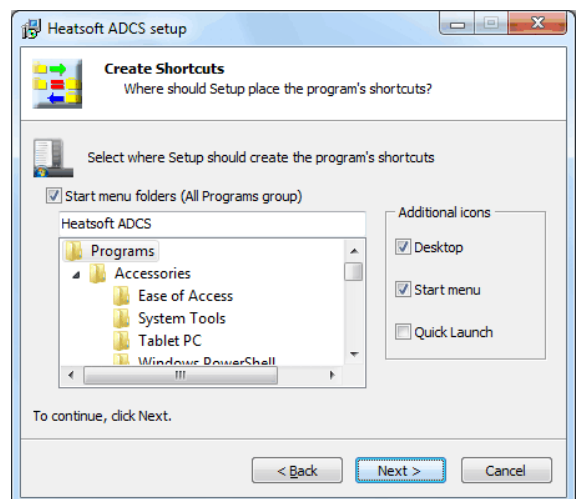
1. Click [Next].



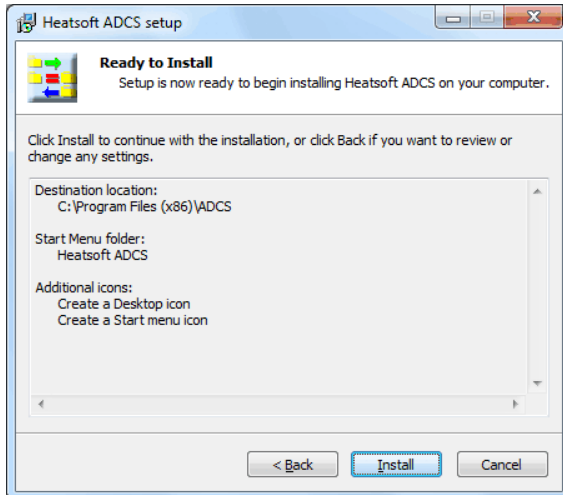
2. Read the License Agreement. Click [Next].



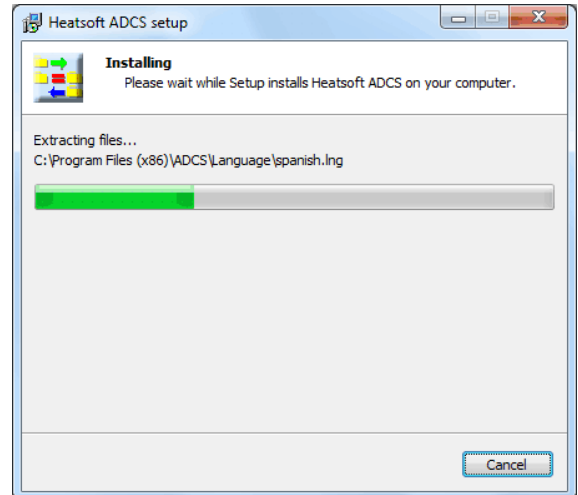
3. Review a path to the destination folder. Click [Next].



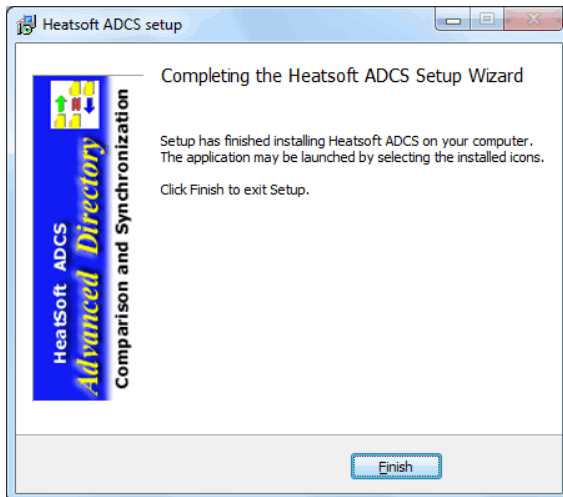
4. By default Heatsoft ADCS will create group in the Program Manager, desktop shortcut and shortcut in the Start Menu. Click [Next].



5. Click [Next].



6. You can terminate installation by clicking [Cancel].



7. Click [Finish] to complete setup.

8. To run Heatsoft ADCS click [Start] → [All Programs] → [Heatsoft ADCS] → [Heatsoft ADCS 2.01] or click the shortcut [Heatsoft ADCS 2.01] on the desktop or Start Menu.

1.9 About Heatsoft Corporation

Heatsoft Corporation is a small software development company. We provide high-quality, software development services and Web design solutions at excellent rates. We've been around for almost five years, specializing in simple, cost-effective stuff that runs well.

Heatsoft products:

Heatsoft Automatic Synchronizer	Keep your folders synchronized with Heatsoft Automatic Synchronizer. The program allows you to compare and synchronize multiple folders in manual mode with a single click or in automatic mode with scheduler. Once configured, it works in the background without any further user-interaction required. Designed for Windows 2000/XP/Server 2003/Server 2008/Vista/7. Costs \$39.92.
Advanced Directory Comparison and Synchronization	It is ideal for keeping files synchronized between a desktop & laptop and is a very fast method of backing up critical directories. With ADCS you can easily see what have changed in your directories and transfer changes with single mouse click ADCS is targeted to 'visual' (manual) sync. ADCS is more comfortable to synchronize a folder's pair easily. Moreover ADCS has integrated features like Disk space viewer and Remove empty folders. Designed for Windows 2000/XP/Server 2003/Server 2008/Vista/7. Costs \$32.92US or 23.92 EUR.
Heatsoft Clone Cleaner	HCC helps you to find duplicate files on your system and delete them. Thus, you can free up a lot of disk space taken by the extra copies and reduce clutter on your disks. HCC does not only take into account items like file name, size or timestamp, but reads possible duplicates byte to byte. This way, it is guaranteed that the files are really identical, and you can delete the extra copies with full confidence. HCC provides tools for safe and easy deletion of duplicate files. Designed for Windows 2000/XP/Server 2003/Server 2008/Vista/7. Costs \$32.92.
Handy File Tool	Handy File Tool (HFT) is a very fast and simple file manager. It has some internal utilities such as Renamer, Replacer and Finder. HFT has utilities necessary for webmasters, programmers and anybody who is concerned with computers. Imagine that you need to process hundreds of files. It would take you many hours to do this manually. Designed for Windows 2000/XP/2003/2008/Vista/7. Freeware.

Web site:

<http://www.heatsoft.com>

Support forum:

<http://www.heatsoft.com/forum>

Email:

Sales Department: sales@heatsoft.com
Support Department: support@heatsoft.com
Feedback Department: feedback@heatsoft.com
Webmaster: webmaster@heatsoft.com

Postal Address:

Heatsoft Corporation
3914 Seaton Place
Las Vegas, Nevada 89121
United States of America

2 Quick start tutorial

The quickest way to introduce your self to our Heatsoft ADCS is to use this program. This tutorial guides you through the some actual situations which you can solve with Heatsoft ADCS. The all situations are described step by step. So, if you read this guides carefully many from your questions will be solved.

2.1 Tutorial 1: How can I fast synchronize multiple directories?

Task:

Synchronize **Home Desktop** and **Office Desktop** with using your **Laptop**.

Synchronization: a **Home Desktop directory** replicates to temporary **Laptop** folder and then from the **Laptop** folder to **Office Desktop**.

Let's assume that you have 3 directories which you do want to keep in sync both at home and at office:

Home Desktop	Laptop	Office Desktop
c:\Users\%username%\Documents\Work	G:\Temp\docs	c:\My Docs
c:\Users\%username%\Pictures	G:\Temp\pics	d:\Pics\Home
c:\Users\%username%\Videos	G:\Temp\stuff	e:\User\Entertainment

Solution:

You should install Heatsoft ADCS only on your **Laptop** computer.

The task is divided into 3 parts:

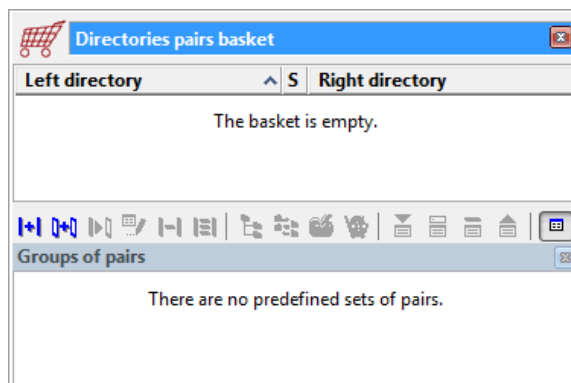
Part 1: Synchronization of Home Desktop and your Laptop


Part 2: Synchronization of your Laptop and Office Desktop

Part 3: Further quick reference for Synchronize your Home and Office computer

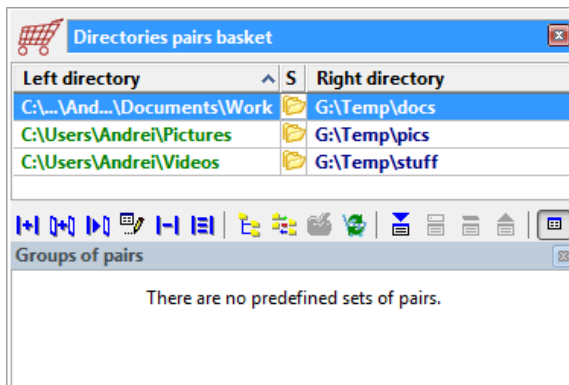
Part 1: Synchronization of Home Desktop and your Laptop


- Connect your **Laptop** to **Home Desktop**. Run Heatsoft ADCS on your **Laptop**.
- Make the Directories pairs basket visible. To do this select the main menu item 'View|Directories pairs basket' or press **CTRL+D**. Below is picture how the basket looks. On the picture the basket is empty.

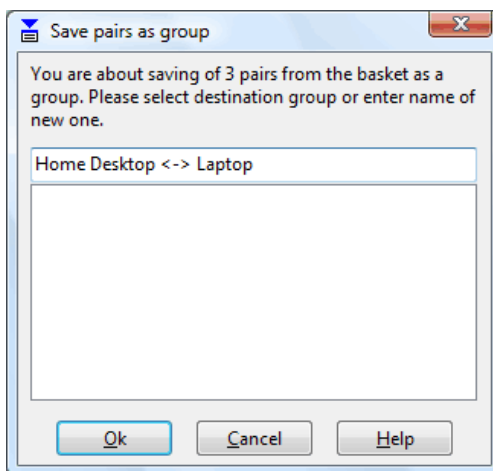


- Add directories which you want to synchronize. To add a directory you have to create a pair, for instance, "c:\Users\%username%\Documents\Work" on **Home Desktop** and "G:\Temp\docs" on your **Laptop**. To do this, select the directories in the directories tree: in the left tree select "c:\Users\%username%\Documents\Work" and in the right tree select "G:\Temp\docs". When you've selected the directories, add the pair into the basket - click on the button  or select the menu item 'Basket|Add pair'. When all the directories have been added, the basket should look like on the screen below.

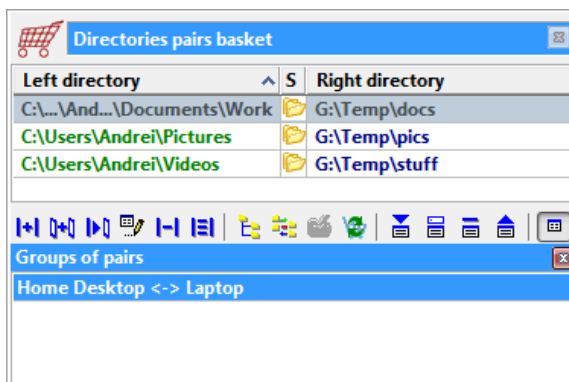
Quick start tutorial





- Save the basket contents as a group for further quick reference. To save click on the button . Save pairs as group window will appear (see picture below). In the window write a name of a new group and click **Ok** button. In this example the name of the group is *Home Desktop <-> Laptop*.





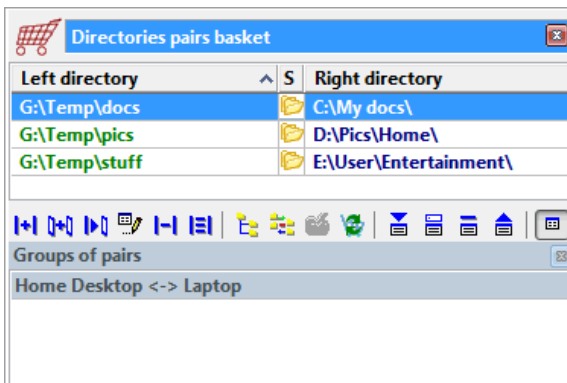
The created group will appear in the *Groups of pair* list.




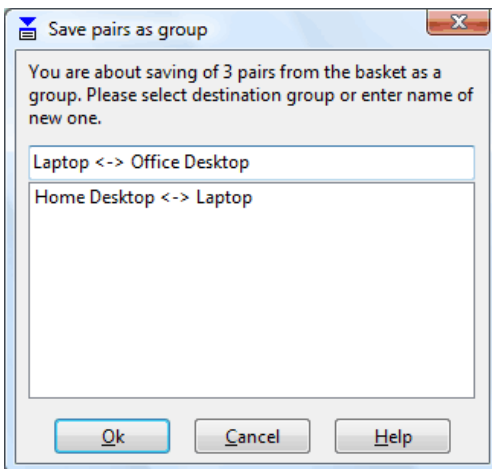
- Compare directories pairs in the basket. To do that press **CTRL+F5** or click on the button  in the Directories pairs basket toolbar. When the comparison will be completed you'll see contents of all of the compared directories in the comparison table.
- Set synchronization preferences and synchronize directories. To start synchronization click the button  in the Comparison table toolbar or select the main menu item 'File operations|Synchronize' (shortcut **CTRL+S**) to synchronize your **Home computer** and **Laptop**.
- Now you have a set of **Home computer** directories on your **Laptop**.

Part 2: Synchronization of your Laptop and Office Desktop

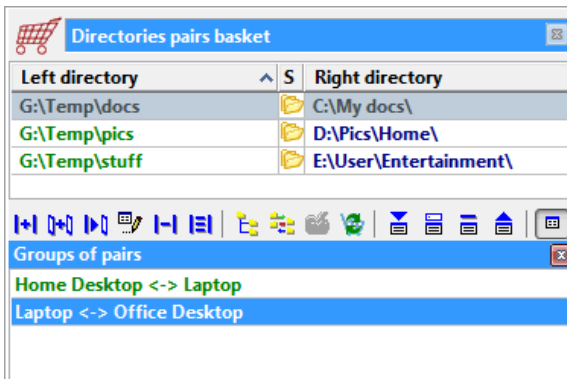
- Connect your **Laptop** to **Office Desktop**. Run Heatsoft ADCS on your **Laptop**.
- Clear the Directories pairs basket. For this click on the button  or select the main menu item 'Basket|Clear basket'.
- Add directories which you want to synchronize with your **Laptop**. To add a directory you have to create a pair, for instance, "G:\Temp\docs" on the **Laptop** and "c:\My docs" on **Office Desktop**.
- To do this select the directories in the directories tree: in the left tree select "G:\Temp\docs" and in the right tree select "c:\My docs". When you've selected the directories, add the pair into the basket - click on the button  or select the main menu item 'Basket|Add pair'. When all the directories have been added, the basket should look like on the screen below.





- Save the basket contents as a group for further quick reference. To save group click on the button . The 'Save pairs as group' window will appear (see picture below). In the window type a name for a new group and click **Ok** button. In this example the name of the group is *Laptop <-> Office Desktop*.



The created group will appear in the *Groups of pair* list.




Quick start tutorial

- Compare directories pairs in the basket. To do it press **CTRL+F5** or click the button  in the Directories pairs basket toolbar. When the comparison will be completed you'll see contents of all of the compared directories in the comparison table.
- Set synchronization preferences and synchronize directories. To start synchronization click the button  in the Comparison table toolbar or select the main menu item 'File operations|Synchronize' (shortcut **CTRL+S**) to synchronize your **Laptop** and **Office computer**.
- Now you have synchronized **Home Desktop** and **Office Desktop**.


Part 3: Quick reference for Synchronize your Home Desktop and Office Desktop

Once you have created pairs of directories and have stored them as a group, you don't need to create them again for every single synchronization. Now the sync process is simplified.


Home Desktop to Laptop

- Connect your **Laptop** to **Home Desktop** and run ADCS on **Laptop**.
- Make visible the Directories pairs basket (shortcut **CTRL+D**).
- Select the group *Home Desktop <-> Laptop* in the *Groups of pairs* list and click the button  to replace current basket content with the selected group's one.
- Compare pairs from the basket (shortcut **CTRL+F5**).
- Synchronize directories (shortcut **CTRL+S**).
- Close ADCS and disconnect your Laptop.

Laptop to Office Desktop

- Connect your **Laptop** to **Office Desktop** and run ADCS on **Laptop**.
- Make visible the Directories pairs basket (shortcut **CTRL+D**).
- Select the group *Laptop <-> Office Desktop* in the *Groups of pair* list and click the button  to replace current basket content with the selected group's one.
- Compare pairs from the basket (shortcut **CTRL+F5**).
- Synchronize directories (shortcut **CTRL+S**).
- Close ADCS and disconnect your **Laptop**.

Notes and Tips:



- Click over the button  in the Directories pairs basket toolbar or click on the icon in the center of the selected pair in order to switch the way how directories in a pair should be compared: with or without their subdirectories.
- Click with right mouse button over the *Directories pairs basket* to activate its context menu.
- Use **SHIFT+F12** shortcut to save current basket content as a group.
- Use **SHIFT+F6** shortcut to rename selected group.
- Use double mouse click on a group to replace current basket content with the selected group's one.
- Click with right mouse button over the Directories pairs basket toolbar in order to customize it.

2.2 Tutorial 2: How can I fast do the MIRROR COPY?

Task:

Do the **MIRROR COPY** of directory "*c:\My Documents*" to the "*f:\My Documents*".

Solution:



- Select the directories in the directories tree. For example, in the left tree select "*c:\My Documents*" and in the right tree select "*f:\My Documents*". It could be better, if you add these directories to the favorites bookmarks. Because the favorites bookmarks lets to you to quick access to the directories.
- Compare selected directories. To compare selected directories with their subdirectories click on the button *Compare with subdirectories*  on the Trees toolbar or press **ALT+F5**.
- To do the **MIRROR COPY** click on the button *Synchronize directories*  in the Comparison table toolbar or select the main menu item 'File operations|Synchronize' (shortcut **CTRL+S**). This opens the 'Synchronize' window. In the window select **Extended mode**. Set **Synchronize method** to the **MIRROR COPY** value. Set **Copy direction** as **Copy files from Left pane to Right pane**. Click on the **Ok** button. The 'Preview synchronization' window will appear. Check correctness of actions for files. If actions are correct click **Synchronize** button or press **Enter** to start synchronization process.

2.3 Tutorial 3: How can I fast do the BACKUP COPY?

Task:

Do **BACKUP COPY** of the directory "*c:\My Documents*" to the "*d:\Backup\My Documents*".

Solution:



- Select the directories in the directories tree. For example, in the left tree select "*c:\My Documents*" and in the right tree select "*d:\Backup\My Documents*". It could be better, if you add these directories to the favorites bookmarks. Because the favorites bookmarks lets you to quick access to the directories.
- Compare selected directories. Click on the button *Compare with subdirectories*  or press **ALT+F5** to compare selected disks with their subdirectories.
- To do update (backup) click on the button *Sync*  in the Comparison table toolbar or select the main menu item 'File operations|Synchronize' (shortcut **CTRL+S**). This opens the synchronize window. In the window select **Extended mode**. Set **Synchronize method** to the **BACKUP COPY**. Set **Copy direction** as **Copy files from Left pane to Right pane**. Click on the **Ok** button. The preview synchronization window will appear. Check correctness of actions for files. If actions are correct click **Synchronize** button or press **Enter** to start synchronization process.

2.4 Tutorial 4: How can I print directory contents?

Task:

Print a content of the directory "*c:\MyDocs*".

Solution:

- Select the directories in the directories tree. For example, in the left tree select "*c:\MyDocs*" and press **CTRL+TAB**, then in the right tree ADCS will set the path "*c:\MyDocs*" automatically.
- Compare the selected directories. To compare selected directories with their subdirectories click on the button *Compare with subdirectories*  on the Trees toolbar or press **ALT+F5**. When the comparison will be completed you'll see contents of all of the compared directories in the comparison table.
- Generate the comparison report. To do that press **CTRL+P** or click on the button  in the Comparison table toolbar. The **Configure comparison report** window will appear. In the **Configure comparison report** window click on the **Ok** button. The **Save report window** will appear. In the **Save window** you must set a name of the report and save the report.
- Run Windows Explorer and browse to the directory where you have saved the report. When you find saved report run it. The Internet Explorer will appear. To print the report select the menu item 'File|Print...' in Internet Explorer .

Notes:



- You can include/exclude report columns and files, filter out files, and change sorting in the report. To do it select Table content sheet in the Configure comparison report window.
- You can change colors, fonts and styles of the report. To do it select Styles sheet in the Configure comparison report window.
- You can export comparison report into third program like Microsoft Excel. To do this you have to save comparison report as text document (comma-delimited file) and then import this file into the program.

2.5 Tutorial 5: How to ensure that files have the same content

Task:

Ensure that data on my burned CD disk has the **SAME CONTENT** as source data on my hard drive.

Solution:




- Select interesting for you directories in the directories tree. For example, in the left tree select "c:\MyDocs" and in the right tree select "f:\My Documents". Where "f:\\" is a your CD drive letter.
- Switch the comparison mode. To switch the mode click on the button *Compare content for duplicate files*  in the Trees toolbar or select the main menu item 'File|Content comparison' (shortcut **ALT+B**). Switching to content mode would start additional comparison of content for duplicate files which have the same size.
- Compare selected directories. To compare selected directories with their subdirectories click on the button *Compare with subdirectories*  on the Trees toolbar or press **ALT+F5**.
- In the menu Show or in the Visibility filters combo-box set the value **Not equal by content duplicate files**. ADCS will show all the files within the directory on CD drive "f:\My Documents" which contents are different from the source directory on the hard drive "c:\MyDocs".

2.6 Tutorial 6: How can I delete all files with some extensions?

Task:

Delete all files with extensions **tmp, bak, old, \$\$\$** from disks "c:\\" and "d:\\".

Solution:





- In the left directories tree select disk "c:\\". In the right tree select disk "d:\\".
- Click on the button *Compare with subdirectories*  or press **ALT+F5** to compare selected disks with their subdirectories.
- In the menu Show or in the Visibility filters combo-box set the value **All files**. After it the comparison table will contain all files which are on both directories.
- Click on the button *Apply filter*  or press **F12** to activate file filter window and in the field *Use include file filters* type ***.tmp; *.bak; *.old; *.\$\$\$**. Once the filter condition was entered click on the button *Ok* to apply your filter to files. ADCS will show files with extensions **tmp, bak, old, \$\$\$** in the comparison table. You will see the file filter at the top of the comparison table.
- Click on the button *Select all*  or press **CTRL+A** to select all the files in the comparison table.
- Click with right mouse button over the comparison table to activate its context menu and select the menu item *Delete selected files* to delete all selected files from the comparison table. In the 'Delete file/files' window click the button *Delete both* to start actual deleting.

2.7 Tutorial 7: How can I copy all different files to a third folder

Task:

Copy all files that are different from directories "c:\MyDocs" and "d:\Backup\My Documents" to directory "c:\Difference". Different files are files with equal filenames and unequal size, date/time or files that do exist only on one of compared directories.

Solution:





- Create the destination directory named as "c:\Difference" for different files. To do that click with right mouse button over the directories tree to activate its context menu and select the menu item *Create directory*  (shortcut **F7**).
- Select directories in the directories tree. For example, in the left tree select "c:\MyDocs" and in the right tree select "d:\Backup\My Documents".
- Compare the selected directories. To compare selected directories click on the button  (shortcut **F5**) in the Trees toolbar.
- In the menu Show or in the Visibility filters combo-box select the value **All files except equal files**. After it in the comparison table you see files that are different. Different files are files with equal filenames and unequal size, date/time or files that are exist only at one of compared directories.
- In the Comparison table toolbar click on the button *Select all*  or press **CTRL+A** to select all the files.
- Click on the button *Copy to*  (**SHIFT+F5**) in the Comparison table toolbar to activate the 'Copy to' window. In this window select the directory "c:\Difference" and click the button *Ok* to start copying files.

2.8 Tutorial 8: How to find files and copy them to a third folder

Task:

Find all files with extensions **gif, bmp, jpeg, jpg** on the disk "c:\" and then copy the files to the directory "C:\My pictures\Found Found pictures".


Solution:

- Create the directory "C:\My pictures\Found Found pictures" for files what will be found. To create a directory click secondary mouse button and select menu item *Create directory*  (shortcut **F7**) in the context menu of the directories tree.
- Select disk "c:\" in the both directories tree.
- Compare it with subdirectories. To compare disks press **ALT+F5** or click on the button *Compare with subdirectories*  in the Trees toolbar.
- In the main menu item Show or in the Visibility filters combo-box set the value **All files**. After it the comparison table will contain all the files which are on both directories.
- Click on the button *Filter*  or press **F12** to activate file filter window and in the field *Use include file filters* enter ***.gif; *.bmp; *.jpeg; *.jpg**. Then the filter was entered click on the button *Ok* to apply your filter to files. ADCS will show files with extensions **gif, bmp, jpeg, jpg** in the comparison table. You will see the file filter at the top of the comparison table.
- Click on the button *Select all*  or press **CTRL+A** to select all the files in the comparison table.
- Press **SHIFT+F5** to activate the 'Copy to' window. Select the directory "C:\My pictures\Found Found pictures" in this window and click the button *Ok* to start copying files.

2.9 Start tutorial of the Disk space viewer

Process of building of diagram of sharing a disk space consists of simple steps:

Step 1

To start work with the *Disk space viewer* click the button *Disk space viewer*  in the View toolbar or select the main menu item 'View|Disk space viewer'.

Step 2

The path from the directories tree will be placed in the combobox at the panel on the top of the Disk space viewer. You can type or edit path in the combobox. To select a directory quickly use the **Browse** button which allows to get a new directory path from tree.

Step 3

Click on the button *Start scan* to start the disk reading process. *Disk space viewer* starts gathering directory information; this can take some time. In the left bottom corner of the *Disk space viewer* window you can see the directories it is reading.

Click the button *Abort scan* to abort the disk reading process.

Step 4

Right panel of the *Disk space viewer* shows the disk piecharter.

Step 5

Click with right mouse button over the disk piecharter or the directories tree to open its context menu. With this context menu you can change the settings of the disk piecharter or the directories tree. Also you can use the Disk space viewer toolbar to change settings of the disk piecharter. By default the changed settings are saved automatically.

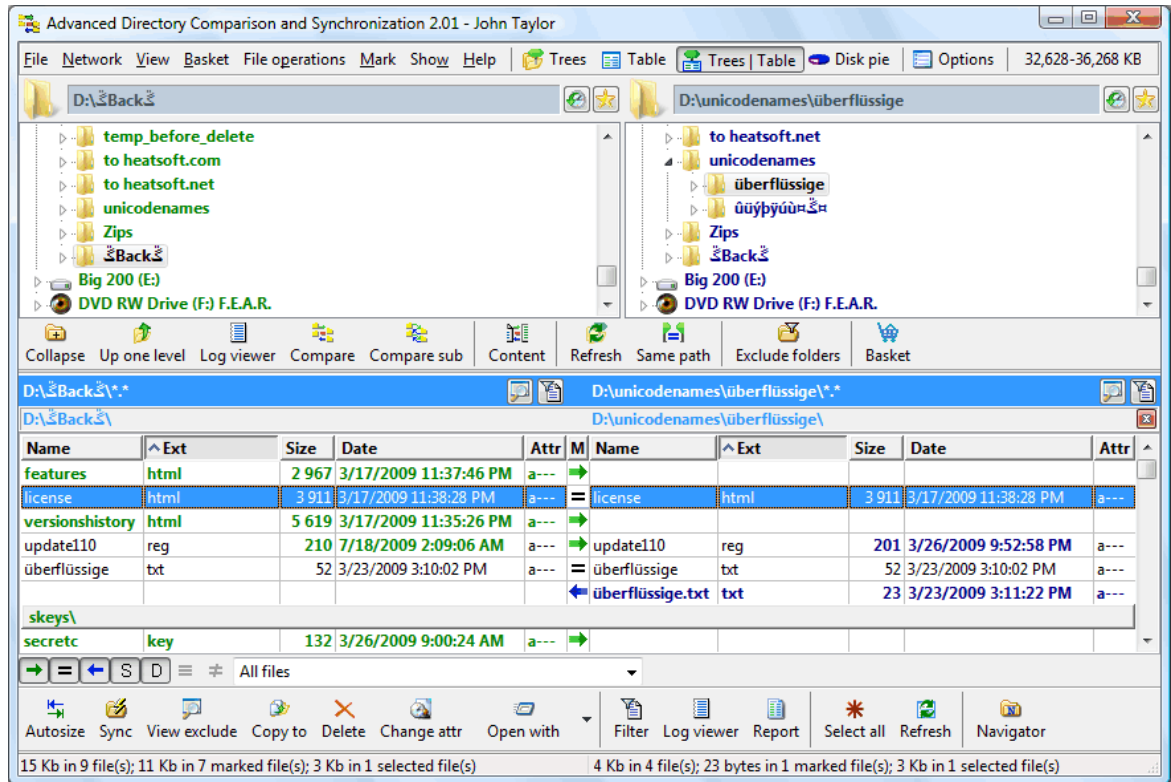
Step 6

You can navigate through the directory structure using the directories tree. Click on a directory name to display it at the disk piecharter.

3 User interface

3.1 The main window

The main window contains the main menu, the toolbars, the Directories trees and the Comparison table.



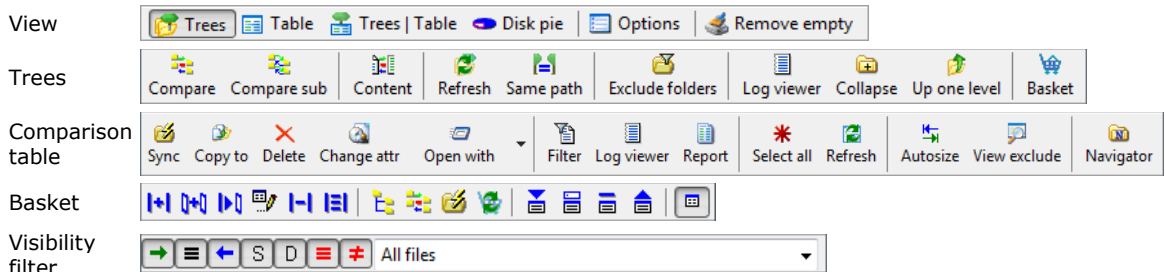
Notes:

- You can customize ADCS settings in the Options window. To activate the Options window click the button *Options* in the View toolbar.
- If you click on an item or area in ADCS window with the right mouse button, a context menu appears giving you quick access to relevant commands.
- You can customize ADCS toolbars by right click over a toolbar and select the menu item *Customize toolbar* in the popup.

3.2 About the toolbars

The toolbars provide shortcuts for menu commands. Commands are organized into several toolbars.

You can display or hide toolbars using the main menu item 'View|Toolbars'. To customize toolbar, right click over the toolbar and select the item 'Customize toolbar'. This opens a window which allows you to add or remove buttons from the toolbar.



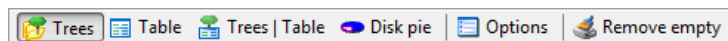
The toolbars have help hints. You can move over any of the buttons on a toolbar and pause to see what the button is used for.

Notes:

- To activate a command, click over the corresponding button with the left mouse button.
- To get a short description of the function of each button, rest the mouse cursor over the button.
- To customize a toolbar, right click on the toolbar and select the item *Customize toolbar*. This opens the window which allows you to add or remove buttons from the toolbar.

View toolbar

The **View toolbar** allows you to change program mode. The toolbar consists of a number of buttons identified by icons and captions. If you leave the mouse cursor over a button for a moment a hint with a description will appear.

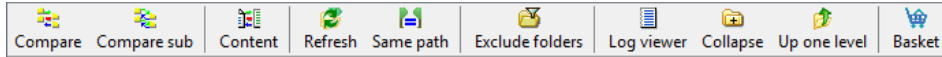


The **View toolbar** contains the following buttons:

Button	Shortcut	Description
Trees	CTRL+T	Shows only directories trees
Table	CTRL+G	Shows only comparison table
Trees Table	CTRL+B	Shows both directories trees and comparison table
Disk pie	CTRL+V	Start work with Disk space viewer
Options	CTRL+O	View options window
Remove empty	CTRL+E	Opens the Remove empty folders window

Trees toolbar

The Directories tree commands are represented onto Trees toolbar. The toolbar consists of a number of buttons identified by icons and captions. If you leave the mouse cursor on a button for a moment a small window with a description will appear.

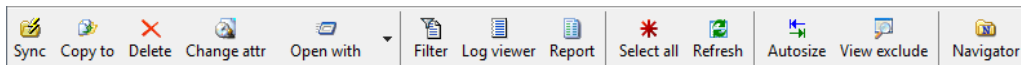


The **Trees toolbar** can contains the following buttons:

Button	Shortcut	Description
Compare	F5	Do comparison selected directories without subdirectories
Compare sub	ALT+F5	Do comparison selected directories with subdirectories
Content	ALT+B	Allows to switch comparison mode: by filedata mode and by content mode
Refresh	CTRL+R	Refresh the directories tree
Same path	CTRL+TAB	Make same paths in the directories trees
Exclude folders	F11	Open Set directory exclude patterns window
Basket	CTRL+D	Shows the Directories pairs basket
Up one level	CTRL+U	Up one level in the directories tree
Collapse	CTRL+Z	Collapse all open items in the directories tree

Comparison table toolbar

The Comparison table commands are represented onto Comparison table toolbar. The toolbar consists of a number of buttons identified by icons and captions. If you leave the mouse cursor on a button for a moment a small window with a description will appear.



The **Comparison table toolbar** can contains the following buttons:

Button	Shortcut	Description
Sync	CTRL+S	Synchronize folders
Copy to	SHIFT+F5	Allows to copy selected files from both panel of comparison table to a third directory.
Delete	F8/Del	Allows to delete all selected files from of comparison table.
Change attr	ALT+T	Shows the Change date/attributes for selected files window
Open with	None	Opens files with defined application
Filter	F12	Uses filter to files in the comparison table
Report	CTRL+P	Allows configure and generate comparison report
Select all	CTRL+A	Select all items in the comparison table
Refresh	F4	Refresh the comparison table
Navigator	CTRL+N	View list of the compared directories (Navigator)
Autosize	None	Autosize columns in the comparison table
View exclude	CTRL+F11	Open View directory exclude patterns window

Basket toolbar

The *Directories pairs basket* commands are represented onto Basket toolbar. The toolbar consists of a number of buttons identified by icons and captions. If you leave the mouse cursor on a button for a moment a small window with a description will appear.



The **Basket toolbar** can contains the following buttons:

Button	Shortcut	Description
Add pair	None	Adds a pair of directories into the basket. The paths are retrieved from selected directories trees items. The directories will be compared without their subdirectories.
Add SF	None	Adds a pair of directories into the basket. The paths are retrieved from selected directories trees items. The directories will be compared with the all of their subdirectories.
Switch	None	Toggles how directories of a pair will be compared: with or without their subdirectories.
Edit pair	None	Opens window to edit selected pair.
Delete	None	Removes selected pair from the basket.
Clear	None	Clear basket (removes all pairs from the basket).
Goto pair	None	Sets the selected pair in the directories trees.
Compare	CTRL+F5	Compares all the directories pairs which are in the basket.
Sync	CTRL+S	Synchronizes compared directories.
Refresh	None	Refresh the directories pair basket content.
Save	SHIFT+F12	Saves current basket content as a group for further quick reference.
Delete	None	Deletes selected group from the <i>Groups of pairs</i> .
Rename	SHIFT+F6	Renames selected group in the <i>Groups of pairs</i> .
Load	None	Replace current basket content with the selected group's one.
Groups	ALT+G	Shows the <i>Groups of pairs</i> panel.

Visibility filters shortcut



Comparison by filedata mode



Comparison by content mode

The visibility filters shortcut is a part of the Visibility filters. The visibility filters shortcut provides fast access to some of the Visibility filters. When you click over a visibility filters shortcut button the visibility filters combo-box will be changed automatically.

The **Visibility filters shortcut** in the comparison by filedata mode contains the following buttons:

Button	Description
	ALT+L Visible / Invisible files which by comparison need to be copied from left to right.
	ALT+E Visible / Invisible files which are considered equal with the current compare settings
	ALT+R Visible / Invisible files which by comparison need to be copied from right to left
	ALT+S Visible / Invisible files which exist on one side only
	ALT+D Visible / Invisible files which exist on both sides

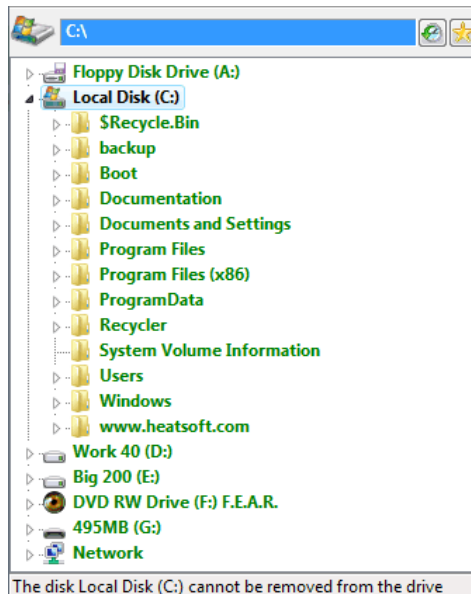
In the Comparison by content mode the following buttons are enabled:

Button	Description
	ALT+E Files have identical content and are considered identical by current comparison rules (no synchronization direction).
	None Files have identical content and are considered unequal by current comparison rules.
	None Files are unequal by content.

Also to control what files will be shown you can use visibility filters combo-box or the main menu Show.



3.3 Directories tree

The main window of ADCS has two directories trees. The directories tree allows to choose source directory and destination directory in order to compare them.



Notes:

- If a directory contains subdirectories, a [+] appears next to the directory icon. You can expand the directory to show the subdirectories by clicking on the [+], or by selecting the directory and pressing <Right> or <Numpad +>. A [-] will appear to an expanded directory.
- You can collapse a directory to hide its subdirectories by clicking on the [-], or by selecting the directory and pressing <Left> or <Numpad ->.
- A context menu will be shown when you click on an directory with the alternate mouse button.

Button	Description
	CTRL+H View history of using directories
	CTRL+F View list of the favorites directories

Properties

To show directory or hard drive properties use **ALT+ENTER** shortcut. Select directory or hard drive what is interesting for you in the directories tree and press **ALT+ENTER** or select the main menu item 'File|Properties'. This will open the properties dialog box for selected directory or hard drive.

Create directory

To create a directory use **F7** shortcut. This command creates a new subdirectory in the source directory. After pressing **F7** in the directories tree, simply type the desired name for the directory in the appeared window.

Rename directory

To rename a directory use **SHIFT+F6** shortcut. This command permits the renaming directories in the directories tree.

Select the directories in the directories tree you want to rename, then press **SHIFT+F6**. This will open an inplace edit window around the directory to be renamed.

Important: You must press **ENTER** to confirm that you want to rename the directory. Clicking outside the inplace edit window will also consider as confirm the operation.

Delete directory

In the directories tree select a directory that you want to delete and then press **F8**. After confirmation, a directory will be deleted.

Notes:

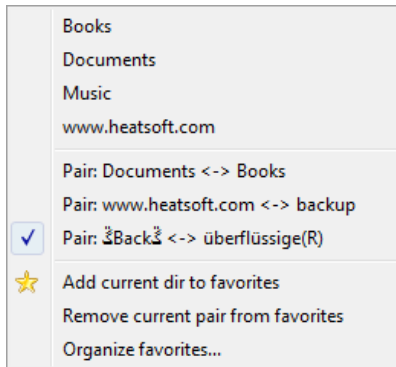
Do not use symbols \ / : * ? " < > | in a folder name.

To delete a directory into the Recycle Bin set **Delete to Recycle Bin** at the page 'General' in the Options window.

3.4 Favorites list

The favorites list allows to quickly switching between multiple directories. Favorites are divided into two types: **Single directories mode** and **Directories pairs mode**. **Single directories mode** allows to quickly switching to one favorite directory on left or right directories tree. **Directories pairs mode** allows to quickly switch to pair of favorite directories, one directory on left tree and second directory on right tree.

On the screen below you can see **Favorites list**:




The favorites list can be opened in three different ways:

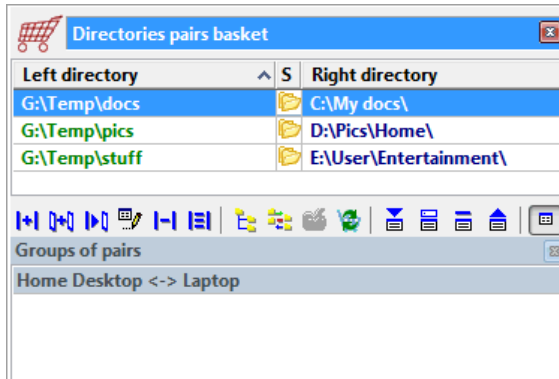
1. Through the View menu.
2. By double clicking on the title bar of the file windows (display of the current path).
3. By pressing **CTRL+F**.

The displayed favorites list menu contains a list of previously added directories, plus three additional commands:



Command	Meaning
Add current dir to favorites	This option allows to add selected directory to the list.
Add current pair to favorites	This option allows to add selected directories pair.
Organize favorites...	Opens a configuration dialog, which allows to sort the menu entries, and which allows to modify, add or remove entries.

3.5 Directories pairs basket

The *Directories pairs basket* can be activated by click ( Basket, shortcut **CTRL+D**) on the trees toolbar or by select the main menu item 'View| Directories pairs basket'. The basket can be aligned on the left or on the right on the directory trees. You can change alignment of the basket in the options window. An example of the *Directories pairs basket* is on the picture below:



Notes:

- Icon in the center of pair:
 -  - icon means simple directories pair - without subdirectories.
 -  - icon means directories pair with their subdirectories
- Click alternative mouse button at the Directories pairs basket to activate basket context menu.

The *Directories pairs basket* is an interface that enables to do simultaneous multi-directories comparison. ADCS will compare all directories that are in the basket and a user will see all the directories in the comparison table simultaneously.
















If you have many directories to sync you may to do this with the basket at one click. The *Directories pairs basket* is an extension of the "favorites". You do not need to add dozens of pairs to the "favorites" anymore.

The basket commands

The *Directories pairs basket* commands are represented onto basket toolbar. The toolbar consists of a number of buttons identified by icons and captions. If you leave the mouse cursor on a button for a moment a small window with a description will appear.



Available buttons for the basket toolbar

Button	Shortcut	Description
 Add pair	None	Adds a pair of directories into the basket. The paths are retrieved from selected directories trees items. The directories will be compared without their subdirectories.
 Add SF	None	Adds a pair of directories into the basket. The paths are retrieved from selected directories trees items. The directories will be compared with the all of their subdirectories.
 Switch	None	Toggles how directories of a pair will be compared: with or without their subdirectories.
 Edit pair	None	Opens window to edit selected pair.
 Delete	None	Removes selected pair from the basket.
 Clear	None	Clear basket (removes all pairs from the basket).
 Goto pair	None	Sets the selected pair in the directories trees.
 Compare	CTRL+F5	Compares all the directories pairs which are in the basket.
 Sync	CTRL+S	Synchronizes compared directories.
 Refresh	None	Refresh the directories pair basket content.
 Save	SHIFT+F12	Saves current basket content as a group for further quick reference.
 Delete	None	Deletes selected group from the <i>Groups of pairs</i> .
 Rename	SHIFT+F6	Renames selected group in the <i>Groups of pairs</i> .
 Load	None	Replace current basket content with the selected group's one.
 Groups	ALT+G	Shows the <i>Groups of pairs</i> panel.

Notes:

- To activate a command, click on the corresponding button with the primary mouse button.
- To get a short description of the function of each button, rest the mouse cursor over the button.
- To customize Basket toolbar, right click on the toolbar and select the item *Customize toolbar*. This opens a window which allows you to add or remove buttons from the toolbar.

Using the basket

To use the basket, browse in the directories trees, and add desired directories pairs to the basket. Finally, you get the basket content similar as it shows below:

TASK: backup


```
c:\workdir\dir1          <-> h:\backup\work\d1
c:\otherworkdir\dir2\subdir4 <-> h:\backup\work\d2
d:\entertainment\pictures <-> h:\backup\entertainment
```


To compare the basket content press **CTRL+F5**. ADCS will compare only the directories and you will see all the directories in the comparison table simultaneously.


The groups of pairs


The example above is good to solve single task, for instance, it was backup. But you may have other similar tasks such as synchronization Laptop <-> Desktop, etc. And every of aforesaid tasks will contain its own set of compared directories.

ADCS provides the groups of pairs which would be helpful to manage sync tasks. The basket contents can be stored as a group of pairs for further quick access.

To store the basket contents as a group of pairs click the button *Save group* . The Save pairs as group window will appear. In the window you can write a name of a new group. When you set the group's name the line with the name will be added into the *Groups of pairs* list.

To delete a group of the directories from the list select the group in the *Groups of pairs* list and click the button *Delete group* . The **Confirmation window** will appear. When you confirm the deleting operation the line with the selected group will be removed from the *Groups of pairs* list.

To change a name of a group select the group in the *Groups of pairs* list and click the button *Rename group* . The Rename directories group window will appear. In the window you can write new name of the group. When you confirm the renaming operation the line with the new name will be placed in the *Groups of pairs* list.

To replace current basket content with the group's one select a group in the *Groups of pairs* list and click the button *Copy group content to the basket* .

3.6 Comparison table

The comparison table displays content of compared directories.

Name	Ext	Size	Date	Attr	M	Name	Ext	Size	Date	Attr
features	html	2 967	3/17/2009 11:37:46 PM	a---	→					
license	html	3 911	3/17/2009 11:38:28 PM	a---	→	license	html	3 911	3/17/2009 11:38:28 PM	a---
versionshistory	html	5 619	3/17/2009 11:35:26 PM	a---	→					
update110	reg	210	7/18/2009 2:09:06 AM	a---	→	update110	reg	201	3/26/2009 9:52:58 PM	a---
überflüssige	txt	52	3/23/2009 3:10:02 PM	a---	→	überflüssige	txt	52	3/23/2009 3:10:02 PM	a---
					←	überflüssige.txt	txt	23	3/23/2009 3:11:22 PM	a---
skeys\										
secretc	key	132	3/26/2009 9:00:24 AM	a---	→					

You can see paths for compared directories and actual filename filter in the pane above the head of the comparison table. Include filter is placed at end of the compared directory's path. On picture above the filter is *.* (include all files). Filter for exclude files is written in the brackets after include filter. On the picture exclude filter is *.gif (exclude GIF files).

- red tone on this button means that advanced include filter is used. Click the button to see filter specification.
- this button allows to open View directory exclude patterns window.

You can see current browse paths in the pane above a header of the comparison table. On the picture above paths are **D:\Back*** and **E:\unicodenames\überflüssige***.

The comparison table contains compared directories and their subdirectories. Each subdirectory is delimited by a gray bar. The symbol in the middle of the table defines the synchronization direction for a file, which can be chosen by the user. The text color defines the default synchronization direction determined by the comparison:

- Green (by default) Synchronizing from left to right
- Blue (by default) Synchronizing from right to left
- Black Files which are considered identical by current comparison rules (no synchronization direction)
- Empty box Files which have equal timestamp and unequal size or attributes. These files are not considered identical by current comparison rules and have no synchronization direction because have equal timestamp.

You can see these symbols in the comparison table in the comparison by content mode:

- Green (by default) Synchronizing from left to right
- Blue (by default) Synchronizing from right to left
- Black equal Files have identical content and are considered identical by current comparison rules (no synchronization direction)
- Red equal Files have identical content and are considered unequal by current comparison rules
- Red unequal Files are unequal by content

The synchronization direction can be chosen for multiple files at the same time by following ways:

- with the right click menu
- with the menu Mark from the main menu
- by clicking primary mouse button at the mark

Popup menu

Most operations are available from popup menu. To activate popup menu, right click on the comparison table.

Selecting files

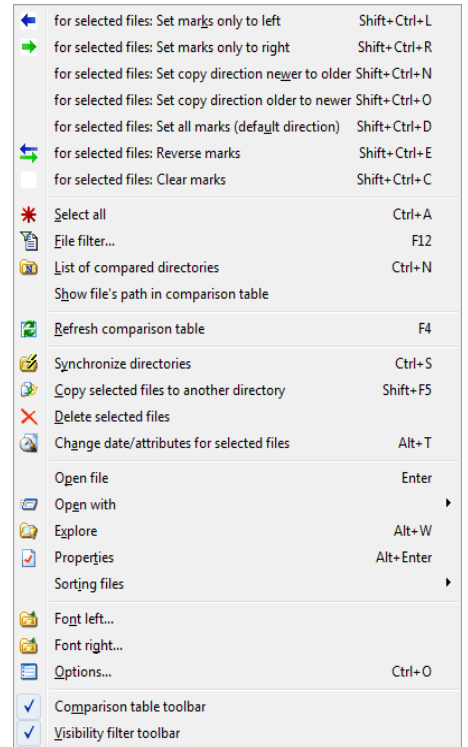
To select a file, click on it with the primary mouse button, or move the focus frame to the item using the arrow keys. To select additional files, hold down <Ctrl> key and click on a file, or move the focus frame to a file and press <Space> to select/unselect it. To select a range of files, select the first item in the range, then select the last item in the range while holding down <Shift> key. To select all files use the main menu item *Mark|Select all*, or shortcut **Ctrl+A**.

Reorder files

The comparison table header allows to sort the list of compared files by name, extension, size, and date. Clicking on the same headers reverses the sort order. A small arrow on the left of the header text shows the sort direction.

The comparison table header allows to change a column size. To restore the columns size you have to click the button *Autosize columns in the comparison table* (🔍) in the Services toolbar.

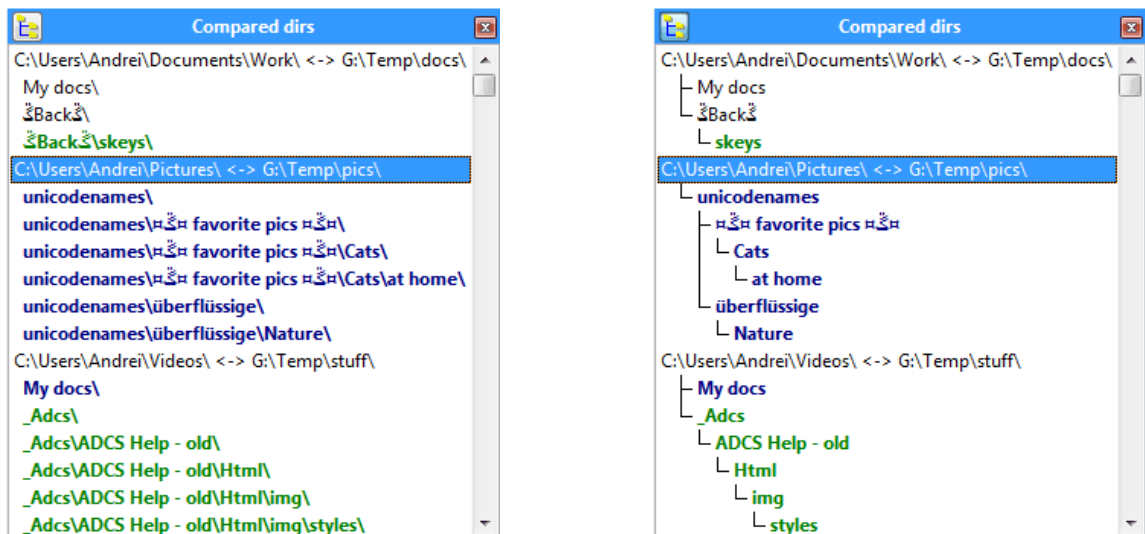
To sort files in compared directories:



Header	Meaning
Name	Sorting the files by name, then by extension
Ext	Sorting the files by type (extension), then by name
Size	Sorting the files by their size on disk, then by name, then by extension
Date	Sorting the files by their creation date and time, then by name, then by extension

3.7 List of compared directories (Navigator)

You can open/hide **List of compared directories** by click the **Navigator** button (📁) in the Comparison table toolbar or by select the main menu item *View|List of compared directories* (shortcut **CTRL+N**). List of compared directories is on the picture below:



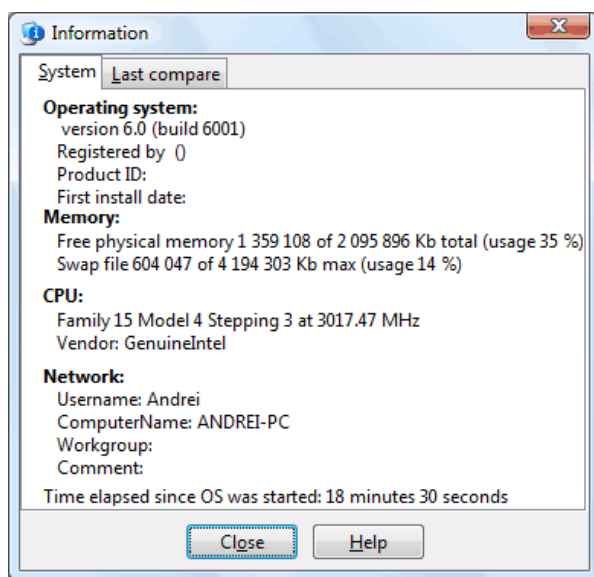
List of compared directories contains names of directories and it helps quickly to move through the comparison table. By choosing one of them you automatically move to the appropriate directory in the comparison table. By choosing string * **Home Dirs** * you move to the directories from which comparison was started.

Color of the directories name is the same as the color of files of the directories in the comparison table. If a color is black this means that directories exist on the left and right parts of the comparison table.

3.8 The system information

In this window you can see a variety of system information about your hard- and software of your computer.

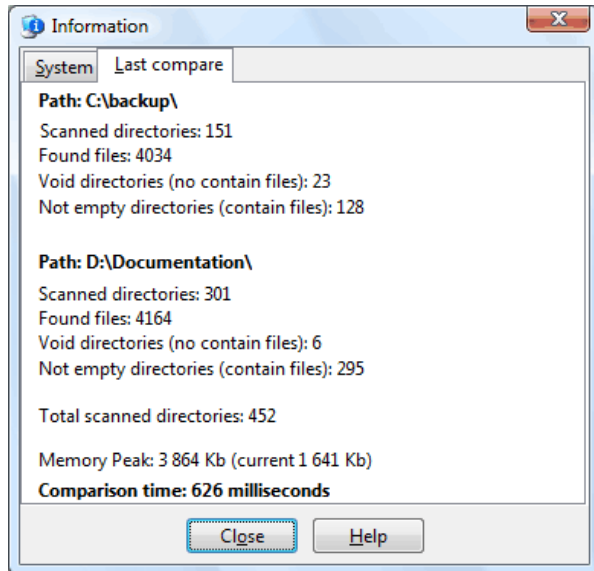
To activate the *System information* window select the main menu item *View|Info form...* or use the shortcut **Ctrl+I**.



Field	Meaning
Operating system	Type of the operating system include OS version, Register Information, Product ID, First Install Date.
Memory	Free memory, excluding memory simulated on disk (swap file). The window shows the amount of unallocated memory, and a percentage value which shows the "memory load". The maximum swap file size allowed is shown.
CPU	Type of the micro-processor.
User name	Network user name.
Computer name	Network computer name.
Workgroup	Network workgroup.
Comment	Comment.
Time elapsed since OS was started start	Elapsed time since OS was last started.

Compare information

In this window you may see last compare information.



You can see information of left and right panels of comparison table.

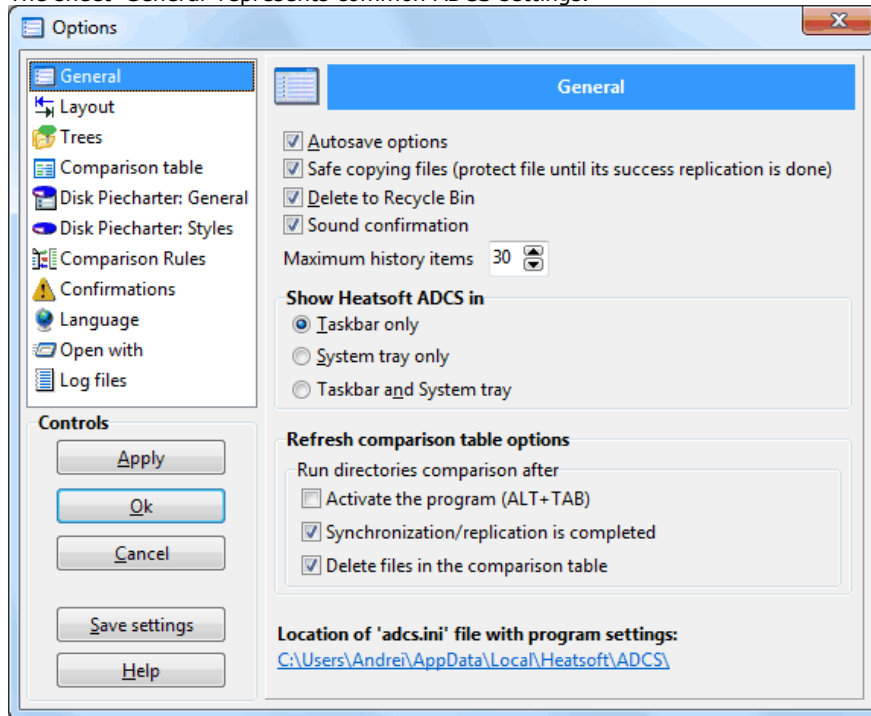
Field	Meaning
Path	The main comparison directory.
Scanned directories	Total quantity of comparison directories.
Found files	Total quantity of comparison files.
Void directories	Quantity of the directories without files.
Not empty directories	Quantity of the directories with files.
Memory Peak	Displays the size of memory occupation peak by last operation.
Comparison time	Time of comparison of the directories.

3.9 The options window

Options window can be activated by selecting the main menu item *View|Options* (**Ctrl+O**).

General options

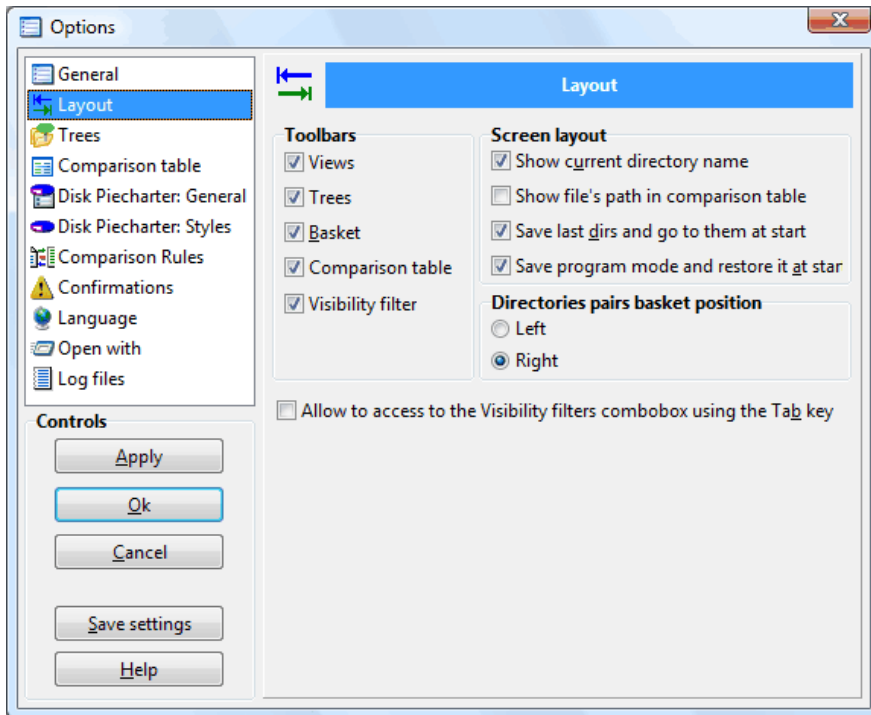
The sheet 'General' represents common ADCS settings.

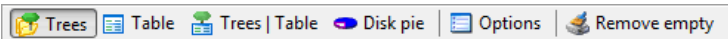
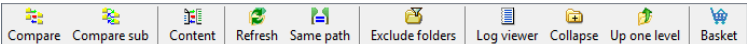
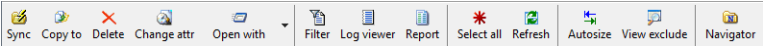




Field	Meaning
Autosave options	Automatically saves all user options when leaving a program (Checked recommended).
Safe copying files	Turn on this tick box to protect overwriting file. When this tick box is on ADCS will copy a file to a temporary file, and when file replication is successfully done ADCS will overwrite old file with new one. (Checked recommended).
Delete to Recycle Bin	Deleting the files to Recycle Bin (Checked recommended).
Sound confirmation	If checked then ADCS play sound after comparison, synchronization and delete.
Maximum history items	Defines maximum amount of history elements of visiting the directories (12 recommended).
Show Heatsoft ADCS in Taskbar only	Defines where the Heatsoft ADCS icon will be displayed. The ADCS icon will be displayed only in the task bar like most of programs.
System tray only	The ADCS icon will be displayed only in the system tray, the small system area in the task bar, near the clock. A click on this icon brings ADCS back into the foreground.
Taskbar and system tray	The ADCS icon will be displayed in the task bar and in the system tray at the same time.
Refresh compare table options	Defines what method will be updated information in the comparison table. After certain actions are performed on files or directories, the information displayed in the comparison table may need to be refreshed.
Run directories comparison after	These options designate that the comparison table will be refreshed after any of these actions takes place via new comparison.
Activate the program (ALT+TAB)	Directories will be compared after activate the program.
Synchronization/replication is completed	Directories will be compared after directories synchronization.
Delete files in the comparison table	Directories will be compared after deleting files or change file's attributes in the comparison table.

Layout options

The sheet 'Layout' allows tuning ADCS controls.

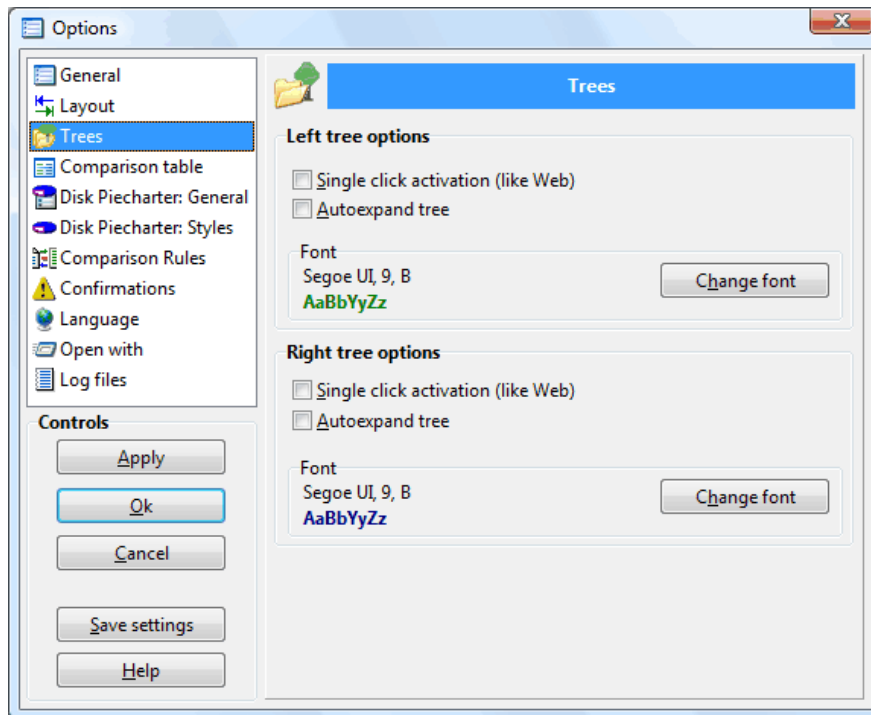


Field	Meaning
Toolbars	Defines toolbars which will be shown on the main window of the Heatsoft ADCS.
View	Shows View toolbar 
Trees	Shows Trees toolbar 
Comparison table	Shows Comparison table toolbar 
Basket	Shows Basket toolbar 
Visibility filter	Shows Visibility filters toolbar 

Screen layout	Defines screen layout that will be shown, saved and restored on the main window.
Show current directory name	Shows pane with paths to the selected directories in the directories tree (Checked recommended).
Show file's path in comparison table	Shows panel with current browse paths in the comparison table. (Checked recommended).
Save last dirs and go to them at start	If checked, this option causes ADCS to save last selected directories and restore select in the directories tree at ADCS start.
Save program mode and restore it at start	If checked, this option causes ADCS to save program mode and restore it at start.
Directories pairs basket position	Defines a position of the Directories pairs basket.
Allow to access to the Visibility filters combobox using the Tab key	If checked, this option causes ADCS to allow to access to the Visibility filters combobox using the Tab key.

Trees options

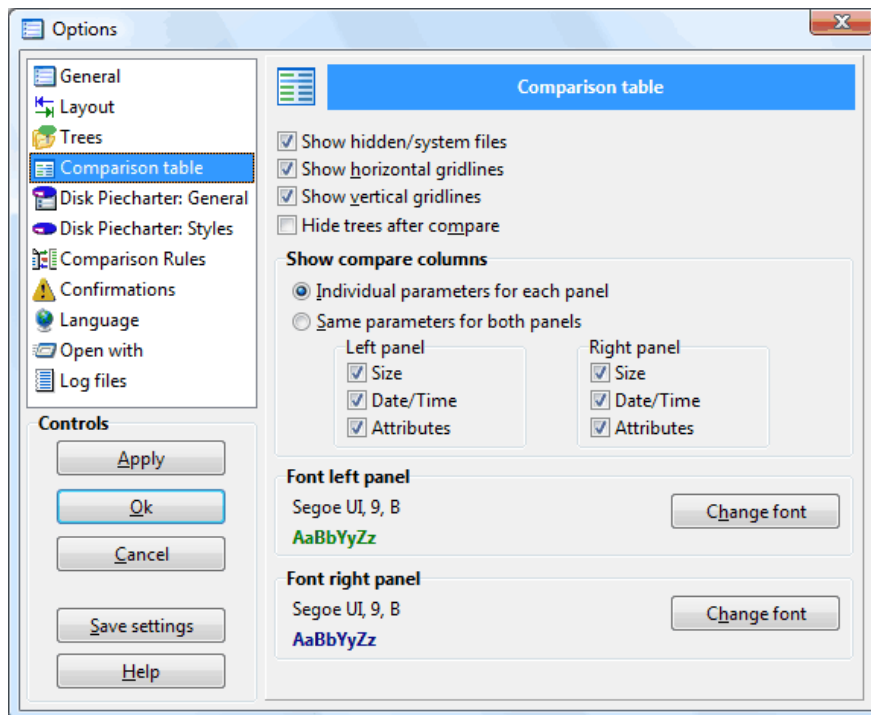
On the sheet 'Trees' you can configure directories trees.



Field	Meaning
Single click activation	If checked, this option causes Heatsoft ADCS to open a directory after you click on it in one of the panels. If this option is not checked, you must double-click on an item (or press Enter) to open it. This option is available only if the operating system provides support for it.
Autoexpand tree	Specifies whether the nodes in the directory tree automatically expand and collapse depending on the selection. Set AutoExpand tree to cause the selected item to expand and the unselected items to collapse.
Font	Controls the attributes of text written in directories tree. To change a font Color, Name, Size or Style of directories tree font press Change font button.

Comparison table options

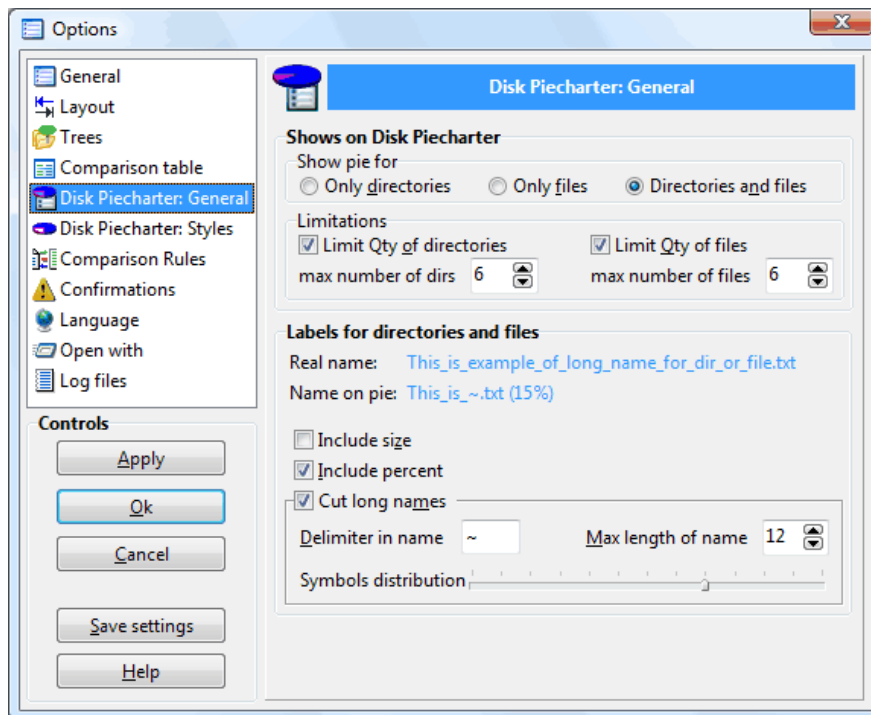
On the sheet 'Comparison table' you can configure comparison table.



Field	Meaning
Show horizontal gridlines	If checked you can see horizontal lines that separate rows in the comparison table.
Show vertical gridlines	If checked you can see vertical lines that separate columns in the comparison table.
Hide trees after compare	If checked then after compare process you view only comparison table, else (default) you can see comparison table and directories tree.
Show compare columns	Defines visibility columns in the comparison table. By default you can see all columns (Size, Date/Time, Attributes).
Font	Allows to change font for comparison table. To change a font Color, Name, Size or Style of font click Change font button.

Disk space viewer options (General)

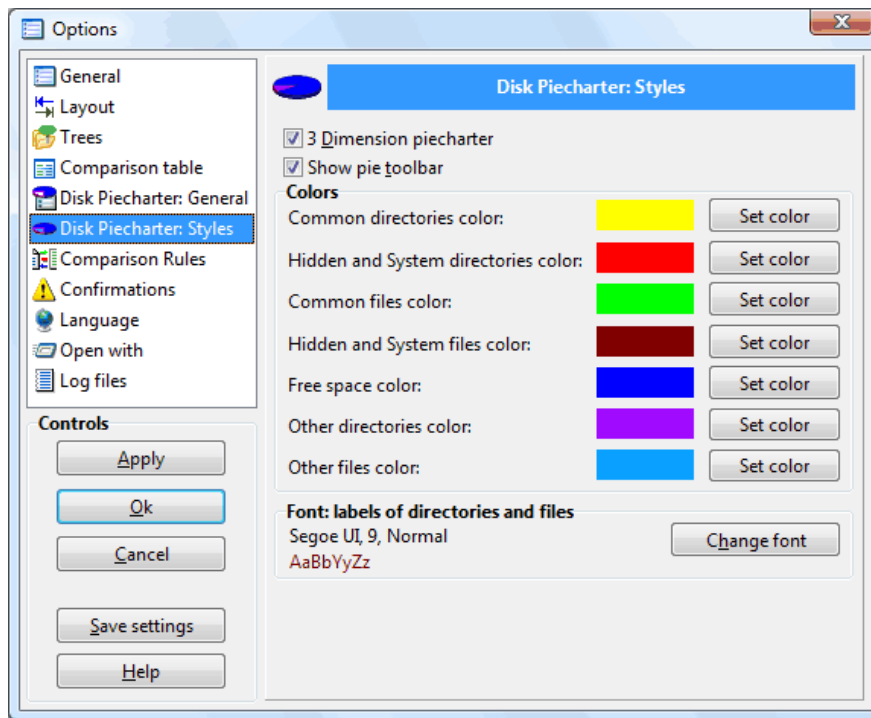
The sheet 'Disk Piecharter: General' contains main Disk space viewer setting.



Field	Meaning
Only directories	Only directories are displayed on the piechart.
Only files	Only files are displayed on the piechart.
Directories and files	Directories and files are displayed on the piechart.
Limit qty of directories	This setting allows to limit quantity of directories on the piechart. It is useful when the quantity of directories is too many.
Max number of dirs	This setting define the maximum number of directories which is displayed on the piechart.
Limit qty of files	This setting allows to limit quantity of files on the piechart. It is useful when the quantity of files is too many.
Max number of files	This setting define the maximum number of files which will be displayed on the piechart.
Labels for directories and files	This setting defines the labels for directories and files on the piechart.
Include size	If checked then a size is added to the name in the labels for directories and files.
Include percent	If checked then a percent from total disk space for directory or file is added to the name in the labels for directories and files.
Cut long names	This setting allows to cut long names of directories and files.
Delimiter in name	This setting defines the delimiter in the long name. The delimiter may be like '~' or other that you want.
Max length of name	This setting defines the maximum length of the long name.

Disk space viewer options (Styles)

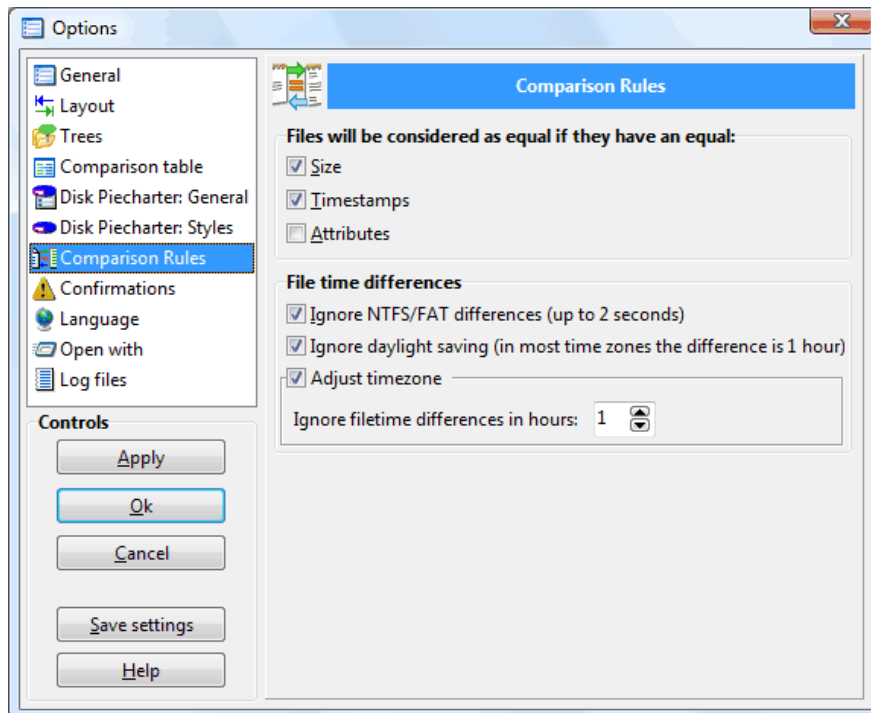
The sheet 'Disk Piecharter: Styles' contains colors and fonts setting for Disk space viewer.



Field	Meaning
3 Dimension piecharter	This setting define the 3 dimension for the disk piecharter.
Show pie toolbar	This setting define visibility of the disk piecharter toolbar.
Colors	Defines the background color for the Directories, Hidden and System directories, Hidden and System files, Files and Free space. To change color click on the Set color button.
Font	Controls the attributes of text written in the labels of the disk piecharter. To change a font Color, Name, Size or Style of directories tree font click on the Change font button.

Comparison rules

The sheet 'Comparison rules' defines directory comparison criteria.



The side-by-side directory compare window visually identifies matching and mismatching files. By default, Heatsoft ADCS considers timestamp (date and time), size and attributes of the files. This information is quickly read from directory entries, so folders comparison can be very fast.

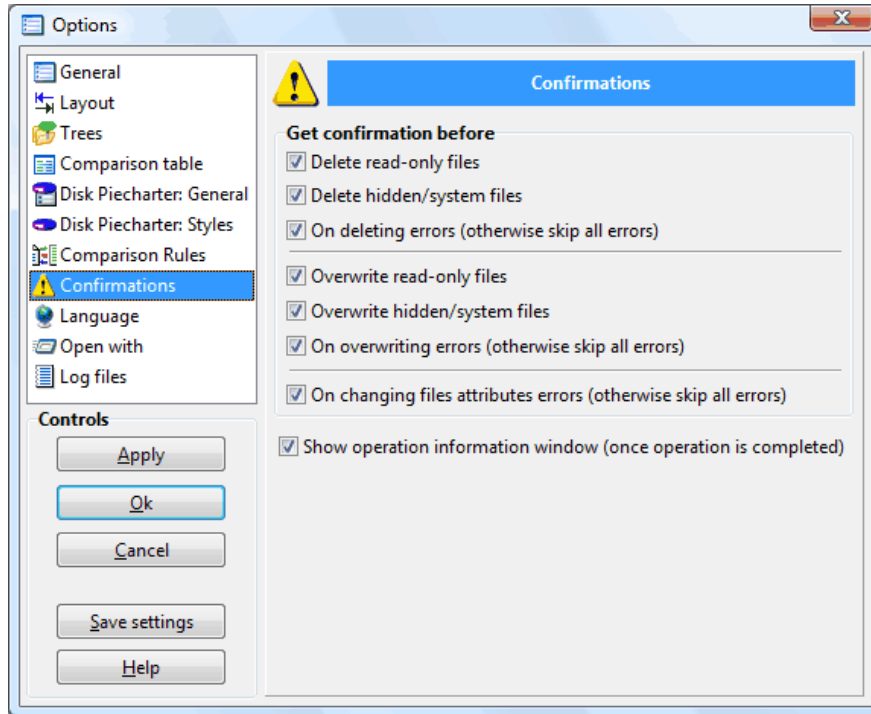
Comparison rules will be used only for DUPLICATES files. DUPLICATES files are files which have equal names and exist on the both pane of the comparison table. Comparison rules are options for the file display: these options become effective immediately, without a new comparison.

You can change the rules for directory comparison by selecting *View|Options* and editing the options under the Comparison Rules tab. These options let you specify what criteria is used to consider files as equal. Comparison criteria can be any combination of these values:

Field	Meaning
Size	If checked, files will be considered as equal if they have an equal size.
Timestamp	If checked, files will be considered as equal if they have an equal date and time.
Attribute	If checked, files will be considered as equal if they have an equal attribute. File attributes can be different in some OS, for example in Windows 2000 and Windows 98.
Ignore NTFS/FAT differences (up to 2 seconds)	This option is useful for comparing directories between computers with different file systems. The DOS FAT system only stores file timestamps to the nearest 2 seconds, while NTFS and HPFS can represent timestamps to the nearest 100 nanoseconds. Copying across a network, between file systems, can result in files with slightly different timestamps. If this options is checked, those files would be treated as if they had the same times.
Ignore daylight savings (usually 1 hour)	For instance, the DOS FAT file times are not adjusted for Daylight Savings Time (DST), whereas NTFS entries are. When NT automatically adjusts for DST, the date/time stamp of files on NTFS volumes appear to be shifted by one hour, even if the files were last changed prior to the DST adjustment. This adjusted time is then displayed in all operations which report local time (that is, NT Explorer, File Manager, directory listings, and so on). When files are copied from an NTFS drive to a FAT drive before the time change, the times can differ by an hour, but the files remain the same. If this options is checked, those files would be treated as if they had the same times.
Adjust timezone. Ignore filetime differences in hours	Sets filetime differences in hours. Available if Adjust timezone checked.

Options confirmations

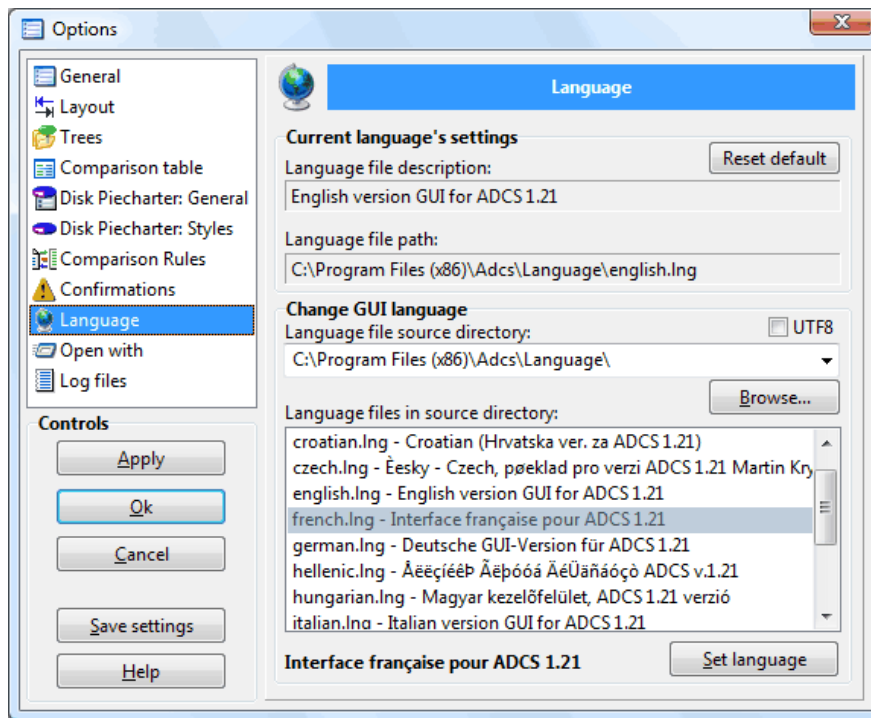
Use these options to select the file actions for which Heatsoft ADCS will show confirmation dialogs. More confirmations mean more security, but also slower working speed. You must decide how much security you need. Unless specified, maximum security is selected.



Field	Meaning
Delete read-only files	When you try to delete files marked as read-only, you will be asked a second time if you really want to delete the file. This is an additional security feature to preserve your valuable data. Normally, this option should not be disabled.
Delete hidden/system files	When you try to delete files marked as hidden or system, you will be asked a second time if you really want to delete the file. This prevents you from accidentally deleting important DOS files which the system needs to start, like io.sys and msdos.sys .
On deleting errors	When an error has occurred, the ADCS displays a dialog box stating that the delete operation has failed.
Overwrite read-only files	When you try to overwrite files marked as read-only, you will be asked a second time if you really want to overwrite the file. This is an additional security feature to preserve your valuable data. Normally, this option should not be disabled.
Overwrite hidden/system files	When you try to overwrite files marked as hidden or system, you will be asked a second time if you really want to overwrite the file. This prevents you from accidentally deleting important DOS files which the system needs to start, like io.sys and msdos.sys .
On overwriting errors	When an error has occurred, the ADCS displays a dialog box stating that the overwrite operation has failed.
On changing files attributes errors	When an error has occurred, the ADCS displays a dialog box stating that the changing files attributes operation has failed.

Options language

On the sheet 'Language' you can change program interface language.



Field	Meaning
Current language's settings	Display current GUI language settings.
Change GUI language	Options for change ADCS GUI language.
Language file source directory	Path to the directory with ADCS GUI languages files (for example C:\Program Files (x86)\ADCS\Language). Also you can use environment variables in the path. For example, " C:\%username%\My Documents ".
Browse	Allows to locate a directory with ADCS GUI languages files.
Language files in source directory	List of available languages.
Set language	Sets the language which is selected in the list as current ADCS GUI language.

You can translate the language file (ADCS\Languages\template.Ing) into your native language. Then you can send the translated file to us.

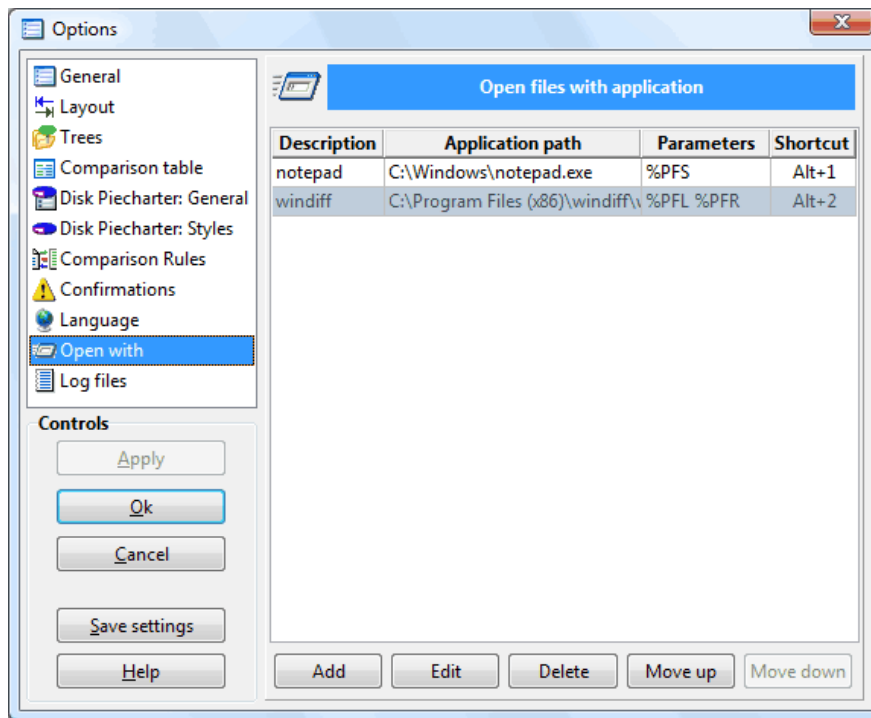
You can earn registrations by translating ADCS interface from English into your native language. For more information please visit our web site at:

<http://www.heatsoft.com/adcs/ADCSeanregistration.html>

To get more information about languages please read Multilingual support.

Open with options

The sheet 'Open with' allows to configure applications to open files from the comparison table.

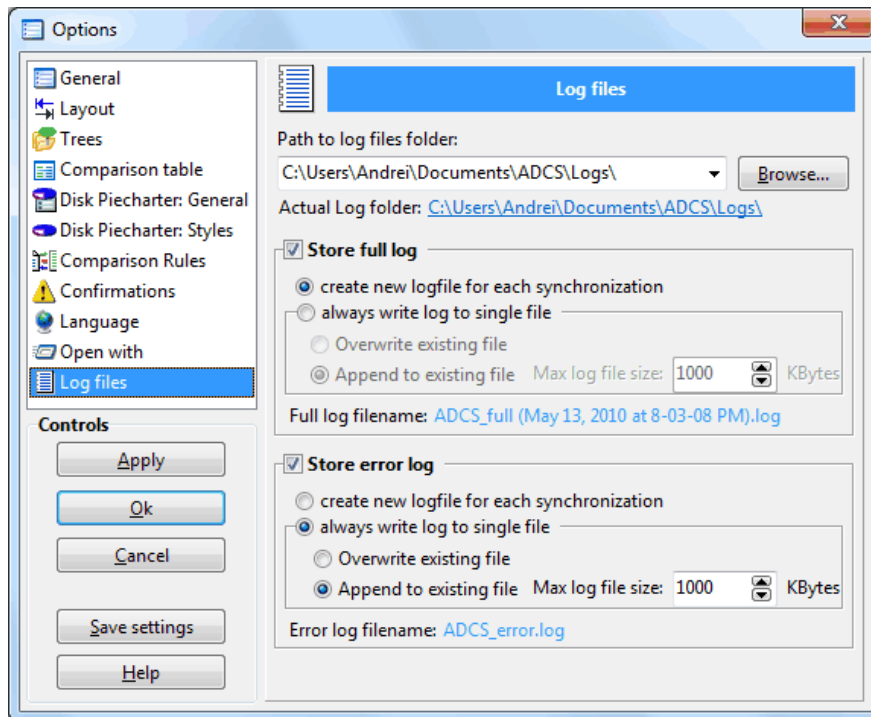


Field	Meaning
Description	Displays the description of the command.
Application path	Displays the path to the application.
Parameters	Displays the command line input parameters for the application.
Shortcut	Displays the shortcut for quick execution of the command.
Add	Allows to add new command.
Edit	Allows to edit selected command.
Delete	Deletes selected command from the list.
Move up	Moves up selected command.
Move down	Moves down selected command.

Options Log files

Options window can be activated by selecting the main menu item View|Options (**Ctrl+O**).

All synchronizations activity can be stored into a log file. The sheet **Log files** allows you to set up settings for the storing of log files.



ADCS can create two types of log file: Full log and Error log:

Log file type	Description
Full log	Contains detailed information about copying files.
Error log	Describes errors occurred which during files copying.

Field	Description
Path to log files folder	Sets a path to a folder where all log files will be stored. To select a folder click on the button Browse . Also you can use environment variables in the log path. For example, " C:\%username%\My Documents ".

There are individual settings for each log file types (Full log, Error log):

Option	Description
Create new log file for each synchronization	Creates a new file for every folders synchronization. The name of file includes the current date and time. So you can easily distinguish what this log is for.
Always write log to single file	Log file is always stored in one single file.
Overwrite existing file	Log file will be overwritten on every folders synchronization.
Append to existing file	Folders synchronization results will be appended to an existing log file.
Max log file size	Limits maximum log file size. If log file exceeds this limit, then it will be overwritten.

3.10 The keyboard shortcuts

Common shortcuts

This shortcuts group allows you to quick switch between different program modes.

Shortcut	Description
ALT	Activate the main menu
ALT+F	Activate the File menu
ALT+N	Activate the Network menu
ALT+V	Activate the View menu
ALT+P	Activate the File operations menu
ALT+M	Activate the Mark menu
ALT+H	Activate the Help menu
ALT+ENTER	Shows drive, directory or file properties
CTRL+I	Shows window with information on process of comparison and system information
CTRL+B	Shows both directories trees and comparison table
CTRL+G	Shows only comparison table
CTRL+N	Shows the list of compared directories (Navigator)
CTRL+O	Shows the options window
CTRL+T	Shows only directories trees
CTRL+V	Start work with Disk space viewer
CTRL+E	Shows the Remove empty folders window
F1	Shows help window

Shortcuts for the Directories tree

This shortcuts group allows to manage Directories trees quickly.

Shortcut	Description
CTRL+F	Shows list of the favorites directories
CTRL+H	Shows history of using directories
CTRL+R	Refresh the directories tree
CTRL+S	Synchronize directories
CTRL+U	Up one level in the directories tree
CTRL+Z	Collapse all open items in the directories tree
CTRL+TAB	Make same paths in the directories trees
ALT+B	Allows switching between two comparison mode: by filedata mode and by content mode
F5	Compare directories
ALT+F5	Compare directories with subdirectories
F7	Create directory
F8	Delete directory
SHIFT+F6	Rename directory
ALT+W	Explore for files

Shortcuts for the Directories pairs basket

This shortcuts group allows quickly to manage Directories pairs basket.

Shortcut	Description
DEL	Removes selected pair from the Directories pairs basket
ENTER	Edit selected pair from the Directories pairs basket
CTRL+D	Shows the Directories pairs basket in the main window
CTRL+F5	Compares all the directories pairs which are in the basket
SHIFT+F12	Saves current basket content as a group for further quick reference
SHIFT+F6	Renames selected group in the <i>Groups of pairs</i>
ALT+G	Shows the <i>Groups of pairs</i> panel

Shortcuts for the Comparison table

This shortcuts group allows quickly to manage Comparison table.

Shortcut	Description
ALT+L	Visible / Invisible files which by comparison need to be copied from left to right
ALT+E	Visible / Invisible files which are considered equal with the current compare settings
ALT+R	Visible / Invisible files which by comparison need to be copied from right to left
ALT+S	Visible / Invisible files which exist on one side only
ALT+D	Visible / Invisible files which exist on both sides
ALT+T	Change date/attributes for selected files
ALT+W	Starts Windows Explorer with a selected folder
CTRL+A	Select / Unselect all files in the comparison table
F4	Refreshing comparison table
F12	Filtering files
F11	Open Set directory exclude patterns window
CTRL+F11	Open View directory exclude patterns window
CTRL+P	Allows configurate and generate comparison report
CTRL+1	Sorting files by name
CTRL+2	Sorting files by extension
CTRL+3	Sorting files by size
CTRL+4	Sorting files by date/time
CTRL+5	Ascending sort order
CTRL+6	Descending sort order
CTRL+7	Panel to sort is left
CTRL+8	Panel to sort is right
DEL	Delete files
ENTER	Open files in their associated application
SHIFT+F5	Copying of files from comparable directories in third directory (Copy Anywhere)
SHIFT+CTRL+L	for selected items: Set marks only to left
SHIFT+CTRL+R	for selected items: Set marks only to right
SHIFT+CTRL+D	for selected items: Set all marks (default direction)
SHIFT+CTRL+E	for selected items: Reverse marks with equal name
SHIFT+CTRL+C	for selected items: Clear marks

Shortcuts for the Disk space viewer

This shortcuts group allows to manage Disk space viewer quickly.

Shortcut	Description
SHIFT+ALT+G	Shows only directories on the disk piecharter
SHIFT+ALT+H	Shows only files on the disk piecharter
SHIFT+ALT+A	Shows directories and files on the disk piecharter
SHIFT+ALT+S	Include size
SHIFT+ALT+P	Include percent
SHIFT+ALT+N	Allows to cut long names
SHIFT+ALT+D	It limits quantity of directories on the disk piecharter
SHIFT+ALT+F	It limits quantity of files on the disk piecharter

3.11 Multilingual (International) support

Heatsoft ADCS 2.01 supports multi-language option. ADCS interface can be changed to any language, which can be encoded by using a single-byte coding scheme (Western languages).

At this time Heatsoft ADCS 2.01 GUI has following languages:

- English
- Brazilian Portuguese
- Croatian
- Czech
- French
- German
- Greek
- Hungarian
- Italian
- Russian
- Simplified Chinese
- Spanish
- Swedish

If your native language is not in the list above you can translate Heatsoft ADCS GUI for yourself. To do that locate the file "template.lng" in the subdirectory of Heatsoft ADCS directory "Language" (for example c:\Program Files (x86)\ADCS\Language) and translate it into your language. The file "template.lng" is a plain-text file.

Below are lines from the original file "template.lng":

```
// &File  
mnu_File=
```

```
// &Network  
mnu_Network=  
....
```

the lines in your translated "your_language.lng" must be as follows:

```
// &File  
mnu_File="&File" in your language
```

```
// &Network  
mnu_Network="&Network" in your language
```

To change ADCS interface language follow the steps:

1. Select the main menu item View|Change language... The Options window will be opened.
2. In the window choose directory where your translated file is (field "Language file source directory").
3. Select the file in list "Languages files in source directory" and click on the button.
4. The interface should be in your language.

You may earn registration if you provide us your translated file for new language. more information how earn registration please visit the Earn registration web-page.

Should you have any questions or concerns you may ask us online onto the Support web-page.

4 File operations


4.1 Comparison start tutorial

The process of the comparison of directories consists of simple steps:



Step 1

In the directories trees select the directories for compare.

Step 2

Select the comparison mode. To switch the mode click the button *Content*  in the Trees toolbar or select the main menu item 'File|Content comparison' (**ALT+B**). Switching to content mode will occur additional comparison of content for duplicate files which have the same size. By default ADCS will compare directories in filedate mode.

Step 3

- If you want to compare the directories without subdirectories then select from the main menu item 'File|Compare directories'  (**F5**).
- If you need comparison the directories with subdirectories then select from the main menu item 'File|Compare with subdirectories'  (**ALT+F5**).
When the comparison process is started it can be stopped by pressing on **Esc** key.

Step 4

After the comparison process is completed you see the comparison table. This table displays the files from the compared folders.


Notes:

After the process of the comparison of the directories ended, you can:

- Compare by content for duplicate files
- Synchronize directories
- Controlling what files will be shown
- Apply filter to view only interesting for you files in the directories
- Generate the comparison report
- Open files in their associated application
- Select files and then:
 - Copy files anywhere
 - Delete files
 - Set and change marks of files

4.2 Comparison modes: by filedata and by content

ADCS allows to make comparison of duplicate files in two modes: by filedata and by files content. Comparison that based on filedata only will compare file's date/time, size and attributes that will be taken from files. Comparison that based on files content is like filedata comparison and additional does comparison of files content. Comparison by content is more reliably, but it may take more time.




You can switch this modes by clicking on the button *Compare*  in the Trees toolbar or select the main menu item 'File|Content comparison' (**ALT+B**). Switching to content mode will occur additional comparison of content for duplicate files which have the same size.

User interface has some differences for the modes. Filedata comparison mode has disabled some buttons on the Visibility filters shortcut and Visibility filters are changed. Also comparison table has different marks symbols for each mode.

Comparison by filedata mode

Comparison by filedate mode allows to compare files only by file size, date/time stamps and file attributes.






You can see these symbols in the comparison table for content mode:

	Green (by default)	Synchronizing from left to right
	Blue (by default)	Synchronizing from right to left
	Black	Files which are considered identical by current comparison rules (no synchronization direction)

Comparison by content mode

Comparison by content mode allows to compare files content for duplicate files which have the same size. The mode checks that the files also have the same content. In this mode ADCS will read a byte from one file and read a byte from second file. If this bytes are equal ADCS will read next bytes. If bytes are unequal then compared files are unequal by content and ADCS begin to compare next couple of duplicate files. If compared directories have much duplicate files that have equal sizes then comparison by content may take much time, so please be patient.

You can see these symbols in the comparison table for content mode:

	Green (by default)	Synchronizing from left to right
	Blue (by default)	Synchronizing from right to left
	Black equal	Files have identical content and are considered identical by current comparison rules (no synchronization direction)
	Red equal	Files have identical content and are considered unequal by current comparison rules
	Red unequal	Files are unequal by content

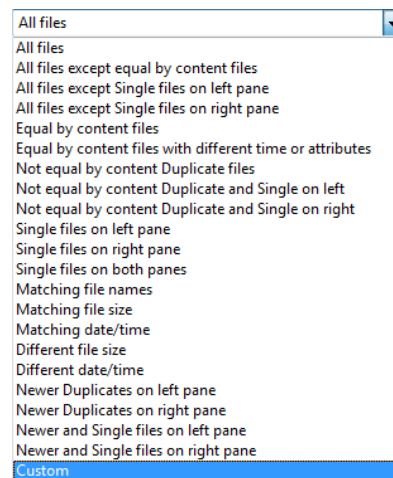
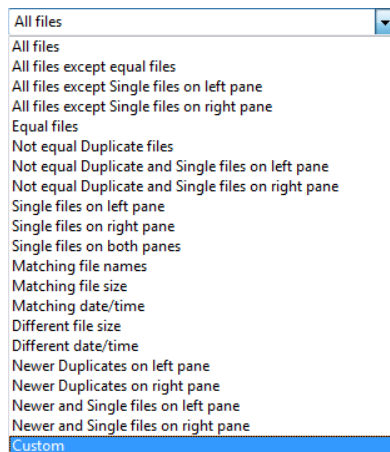
4.3 Set what files will be shown

Options for the file display: these options become effective immediately, without a new comparison. To controlling which files will be displayed you can use **Visibility filters** or **Visibility filters shortcuts**.

The visibility filters let you quickly switch between viewing all files, equal files, equal files, etc. The single side filter displays "orphaned" files - files that exist on one side but do not existing on the another side. Visibility filters are useful for isolating missing or obsolete files.

Menu 'Show' has the same visibility filters as the visibility filters combobox. You may hide the visibility filters combobox from the main toolbar and use main menu item Show.

Visibility filters are options for the file display: these filters become effective immediately, without a new comparison. Also you can use visibility filters shortcut to controlling what files will be shown.



Comparison by filedata mode



Comparison by content mode

The visibility filters shortcut is a part of the Visibility filters. The visibility filters shortcuts provide fast access to some of the Visibility filters. When you click on the visibility filters shortcut buttons the visibility filters combobox will be changed automatically.

The **Visibility filters shortcut** in the comparison by filedata mode contains the following buttons:


Button	Shortcut	Description
	ALT+L	Visible / Invisible files which by comparison need to be copied from left to right.
	ALT+E	Visible / Invisible files which are considered equal with the current compare settings
	ALT+R	Visible / Invisible files which by comparison need to be copied from right to left
	ALT+S	Visible / Invisible files which exist on one side only
	ALT+D	Visible / Invisible files which exist on both sides

In the Comparison by content mode the following buttons are enabled:

Button	Shortcut	Description
	ALT+E	Files have identical content and are considered identical by current comparison rules (no synchronization direction).
	None	Files have identical content and are considered unequal by current comparison rules.
	None	Files are unequal by content.

Also to controlling what files will be shown you can use visibility filters combobox or the main menu 'Show'.

4.4 Synchronizing directories

When directories that are interesting for you were compared you can synchronize them. To synchronize the directories click on the button *Sync*  in the Comparison table toolbar or select the main menu item 'File operations|Synchronize' (shortcut **CTRL+S**). This will open the Synchronize dialog box to synchronize marked files.

Synchronization modes

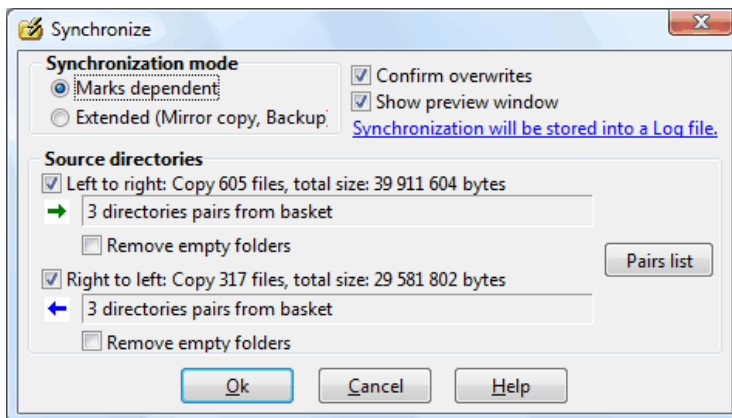
There are two synchronization modes: Marks dependent mode and Extended mode.

In the **Marks dependent mode** file copy direction is defined by marks in the comparison table. Only marked files will be synchronized!

Extended mode includes some predefined methods of file synchronization like as Mirror copy and Backup. You can choose one of them or you can customize settings for your needs.

Synchronization window for the Marks dependent mode

On the screen below you can see the synchronization window for the **Marks dependent mode**:



Notes:

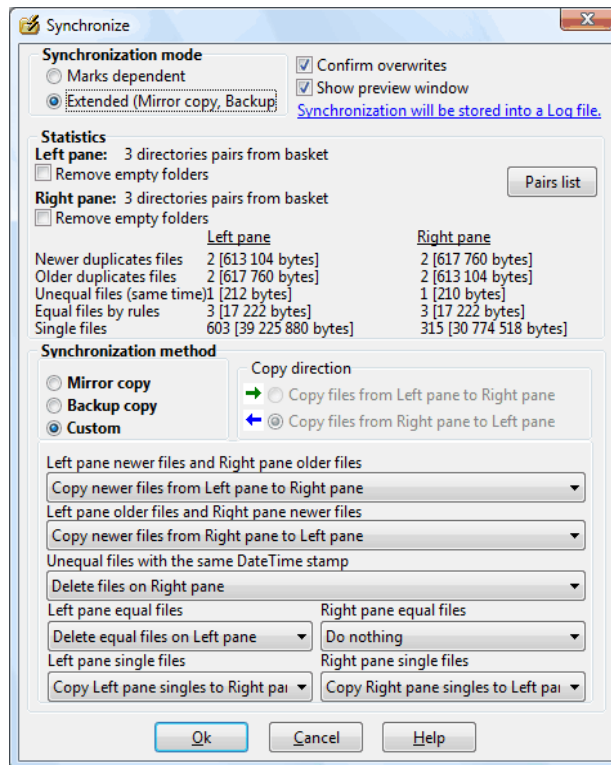
- Only marked files will be synchronized!
- Synchronization activities can be stored in the log files: full and error logs.

Field	Meaning
Synchronization mode	This group defines the mode of synchronization. You can choose Marks dependent mode or Extended mode .
Marks dependent mode	File copy direction is defined by marks in the comparison table.
Extended mode	Extended mode includes some predefined methods of file synchronization like as Mirror copy and Backup.
Confirm overwrites	If this option checked then ADCS will ask you before overwriting files.
Show preview window	If this option checked then you see preview synchronization window before actual synchronization.
Source directories	This group contains the names of source paths of compared directories.
Pairs list	This button opens List of compared directories pairs. This button appears only if compared more than one pair.
Left to right	Here you can see the source path for the files on the left pane of the comparison table.
Remove empty folders	If checked then ADCS will remove empty folders from source directory on the left pane of the comparison table.
Right to left	Here you can see the source path for the files on the right pane of the comparison table.
Remove empty folders	If checked then ADCS will remove empty folders from source directory on the right pane of the comparison table.

Click **Ok** button or press **Enter** to start synchronization process.

Synchronization window for the Extended mode

On the screen below you can see the synchronization window for the Extended mode:



Notes:

- All files will be synchronized!
- Synchronization activities can be stored in the log files: full and error logs.

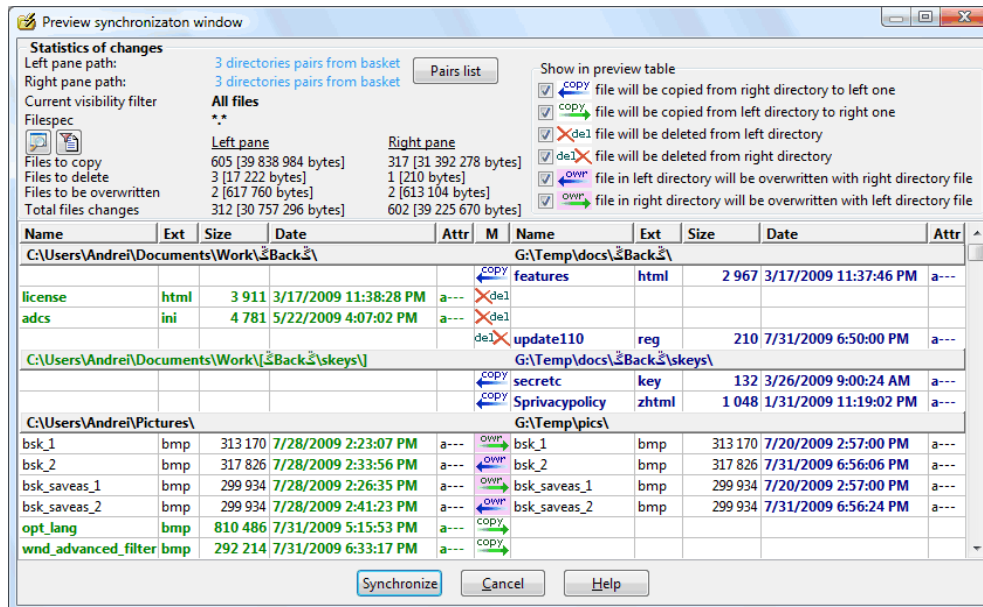
Field	Meaning
Synchronization mode	This group defines the mode of synchronization. You can choose Marks dependent mode or Extended mode .
Marks dependent mode	File copy direction is defined by marks in the comparison table.
Extended mode	Extended mode includes some predefined methods of file synchronization like as Mirror copy and Backup.
Confirm overwrites	If this option checked then ADCS will ask you before overwriting files.
Show preview window	If this option checked then you see preview synchronization window before actual synchronization.
Statistics	In this group you can see file statistics for compared directories.
Remove empty folders	If checked then ADCS will remove empty folders from selected pane.
Pairs list	This button opens List of compared directories pairs. This button appears only if compared more than one pair.
Synchronization method	This group includes controls to choose a method of synchronization.
Mirror copy	ADCS will copy all files from source directory to the destination directory and delete all single files in destination directory. So the destination directory will be made identical to the source directory.
Backup copy	ADCS will copy all files from source directory to the destination directory. So files from the source folder will be added to the destination directory.
Custom	This method allows you manually select actions for files from the drop-down controls.
Copy direction	This group includes controls to choose copying direction.
Copy files from Left pane to Right pane	Directories on the Left pane of the comparison table will be source. Files will be copying from Left pane of the comparison table to the Right one.
Copy files from Right pane to Left pane	Directories on the Right pane of the comparison table will be source. Files will be copying from Right pane of the comparison table to the Left one.


Preview synchronization window

Preview synchronization window displays operations which synchronization will take on compared files. Statistics describes changes of the compared directories after synchronization.

If you compare more than one directories pair the button **Pairs list** will appear. Click on this button to see List of compared directories pairs.








On the screen below you can see the **Preview synchronization** window:



Field	Meaning
Left pane path	Path to the left compared directories.
Right pane path	Path to the right compared directories.
Pairs list	This button opens List of compared directories pairs. This button appears only if compared more than one pair.
Current visibility filter	Displays name of current visibility filter.
Filespec	Displays current file filter specification.
Button 	This button means that advanced include filter is used. Click on the button to see filter specification.
Files to copy	Displays quantity and size of files which will be copied.
Files to delete	Displays quantity and size of files which will be deleted.
Files to be overwritten	Displays quantity and size of files which will be overwritten.
Total files changes	Displays total quantity and size of files changes for left and right compared directories. the comparison table will be source. Files will be copying from Right pane of the comparison table to the Left one.
Show in preview table	These checks allow you to define that files will be shown in the preview window.

Notes:

Icon in the center column:

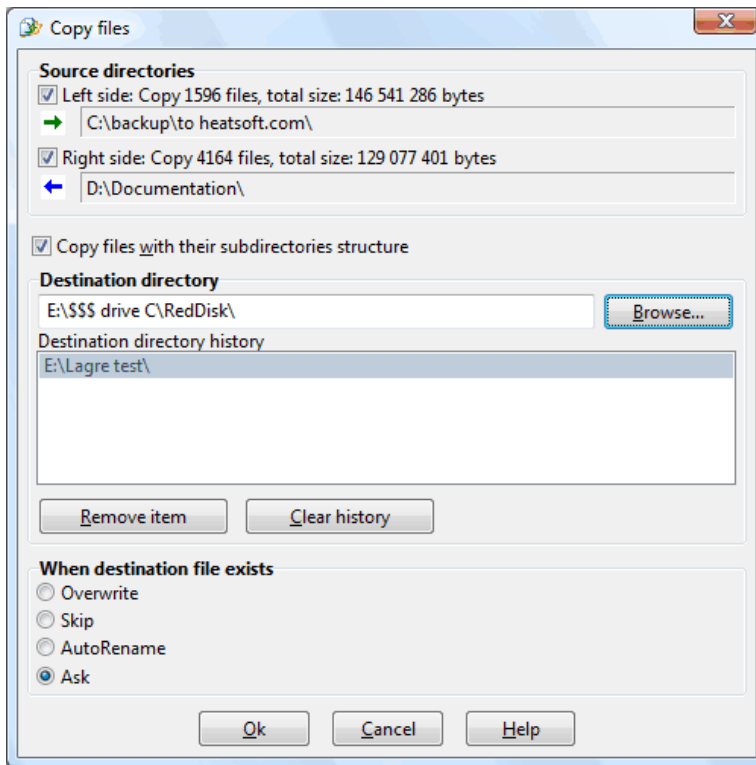
-  - file will be copied from right directory to left one.
-  - file will be copied from left directory to right one.
-  - files will be deleted on left and right directories.
-  - file will be deleted in left directory.
-  - file will be deleted in right directory.
-  - file in left directory will be overwritten with file from right directory.
-  - file in right directory will be overwritten with file from left directory.

Click **Synchronize** button or press **Enter** to start synchronization process.

4.5 Copy files

With this command you can copy selected files from both panel of comparison table to another directory.

The *Copy selected files to another directory* window can be activated by click on the button *Copy to* (**SHIFT+F5**) in the Comparison table toolbar or by select the main menu item 'File operations|Copy selected files to another directory'.




Notes:

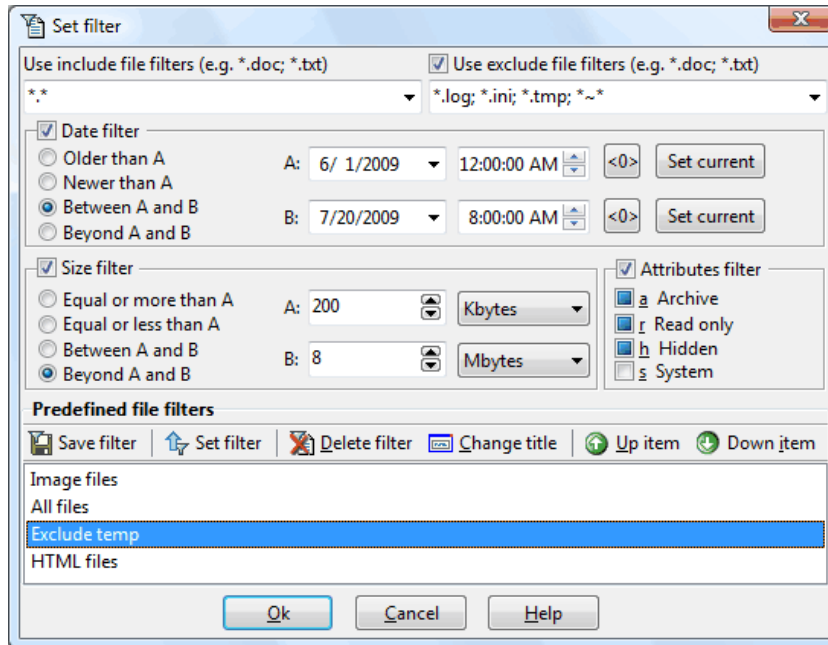
- Only selected files will be copied!
- Copying activities can be stored in the log files: full and error logs.

Field	Meaning
Source directories	Displays paths to source directories.
Pairs list	This button opens List of compared directories pairs. This button appears only if compared more than one pair.
Destination directory	Displays a path to a destination directory. You can write a path to a destination directory, if destination directory does not exist ADCS will create it. Also you can use environment variables in the path. For example, " C:\%username%\My Documents ".
Destination directories history	Displays the list of previous destination directories. This list allow you to quickly select a destination directory.
Remove item	Deletes selected directory from the destination directories history list.
Clear history	Clears the destination directories history list.
Browse	Allows to browse to select a destination directory.
With directories structure	If checked, then ADCS will be copying files with directories structure.
When destination file exists	Allows to define what will do ADCS when a destination file exists. (Overwrite, Skip, AutoRename, Ask).
Ok	Starts executing process of copying files.
Cancel	Closes the dialog box without executing process of copying files.

4.6 Filtering files

Filtering files window can be activated by click on the button *Filter*  (shortcut **F12**) in the Comparison table toolbar or by select the main menu item 'File operations|File filter'.

On the screen below you can see **Set filter** window:



The field Include file filters is used to define a filter for files that will be shown. The field Exclude file filters is used to define a filter for files that will not be shown.

A filter can include the special symbols, which are listed below:

Symbol Description

- * In file name on this place can be any number of any characters.
- ? In file name on this place should be a single character.
- ; This symbol separates filter's parts.

Let's say there are three files in the comparison table: **air.exe**, **air.com**, **water.exe**.

Operation	Task	Implementation	Files in the table
OR	File name must begin with letter "A" OR must end with letter "E"	Include: a*; *e	air.com, water.exe
NOT	File name should NOT begin with letter "A"	Exclude: a*	water.exe
Ex #1	Shows all files which have names length of seven characters	Include: ???????	air.exe, air.com
Ex #2	Shows all files whose names end with "EXE" but do NOT begin with letter "A"	Include: *exe Exclude: a*	water.exe

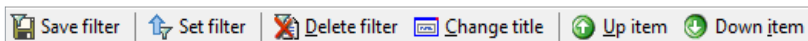
Filters rules:







- Filter can contain any numbers of filters parts. Filters parts separate by ";".
- Filters parts concatenate by OR.
- Filters part "*.*" means including all files. Doesn't matter contains a file "." or not.
- Any numbers of "*" or any numbers of spaces will considered as "*.*".
- Exclude filter like "*.*" shows all files.
- File name like readme.txt contains a dot, but this dot doesn't appear in the comparison table. So the filter like readme?txt shows file readme.txt and don't shows file readme1.txt.

Advanced include filter

Field	Description
<u>Date filter</u>	This group allows to filter out files by last modified file date.
Older than A	This field allows to specify a file date range for filtering. The file date range filter makes visible those files which last modified date are older than the given date range.
Newer than A	This field allows to specify a file date range for filtering. The file date range filter makes visible those files which last modified date are newer than the given date range.
Between A and B	These two fields allow to specify a file date range for filtering. The file date range filter makes visible those files which last modified date are between the given date range.
Beyond A and B	These two fields allow to specify a file date range for filtering. The file date range filter makes visible those files which last modified date are beyond the given date range.
<0>	Sets time to zero (00:00:00).
Set current	Inserts the current date and time.
<u>Size filter</u>	This group allows to filter out files by file size.
Equal or more than A	This field allows to specify a file size range for filtering. The file size range filter makes visible those files which sizes are equal or more than the given size range.
Equal or less than A	This field allows to specify a file size range for filtering. The file size range filter makes visible those files which sizes are equal or less than the given size range.
Between A and B	These two fields allow to specify a file size range for filtering. The file size range filter makes visible those files which sizes are between the given size range.
Beyond A and B	These two fields allow to specify a file size range for filtering. The file size range filter makes visible those files which sizes are beyond the given size range.
<u>Attribute filter</u>	This group allows to filter out files by file attributes.


Some filters are used more often than others. You may define these filters, for quick access to them. To add new predefined filter click on the button **Save filter**. You may organize existing predefined filters and define new predefined filter. To quick apply the predefined filter you may select it in the list and click on **Set filter** button.

**Button Description**

	Save current filter as predefined in the window Save file filter window.
	Set predefined file filter and fill fields with values of the predefined file filter.
	Delete selected predefined file filter from list.
	Change caption of selected predefined file filter in the window Rename file filter window.
	Move selection in predefined file filter list to one item up.
	Move selection in predefined file filter list to one item down.

4.7 Delete files

Use **F8** or **DEL** shortcut for deleting files.

To delete files which are selected in the comparison table select the menu item *Delete*  in the context menu or select the main menu item 'File operations|Delete'. Before the actual deleting takes place you will be asked to confirm the delete operation by the Confirmation dialog box.

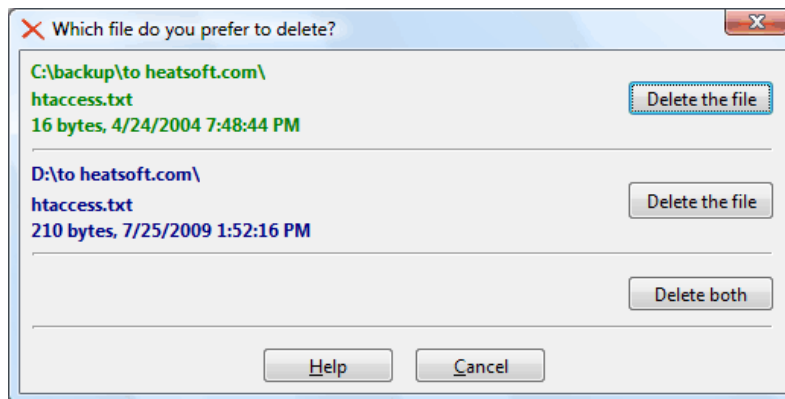
If selected files are on both sides, 'Delete file/files' window will appear to ask you which files you do prefer to delete.

Note:

Deleting files may cause loss of data so use this option with care! If the files that being deleted are on a local disk drive they will be sent to the Recycle Bin. You can change this option in the Options window.

Delete file/files window

On the screen below you see delete file/files window.




In this window you see path and file/files descriptions for a selected files from left and right parts of the comparison table. To delete the preferred file/files click on the button **Delete the file/files**. To delete files on both side of the comparison table click on the button **Delete both**.

Notes:

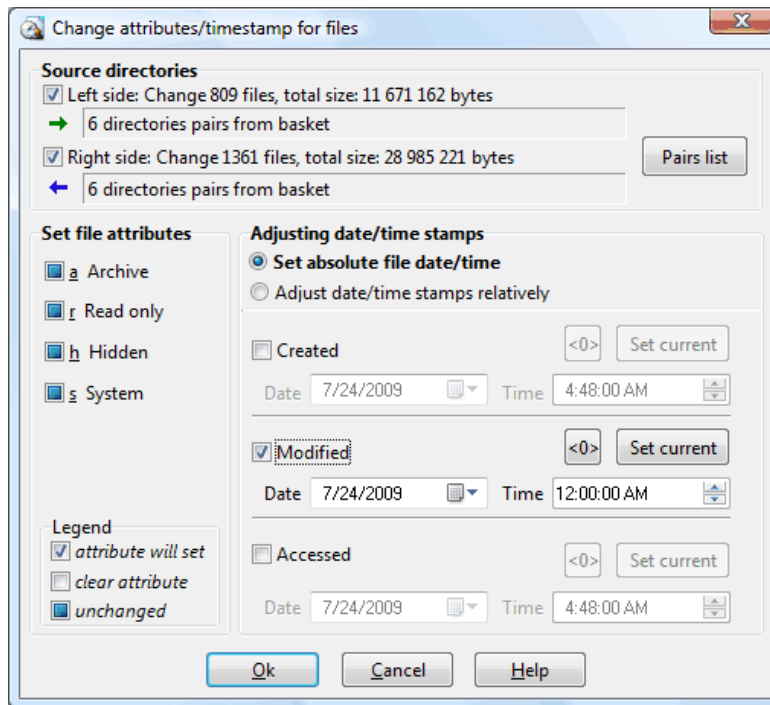
- Only selected files will be deleted!
- Deleting activities can be stored in the log files: full and error logs.

4.8 Change file date/attributes

With this window you can adjust date/time stamps absolutely or relatively, and change attributes for selected files in the comparison table

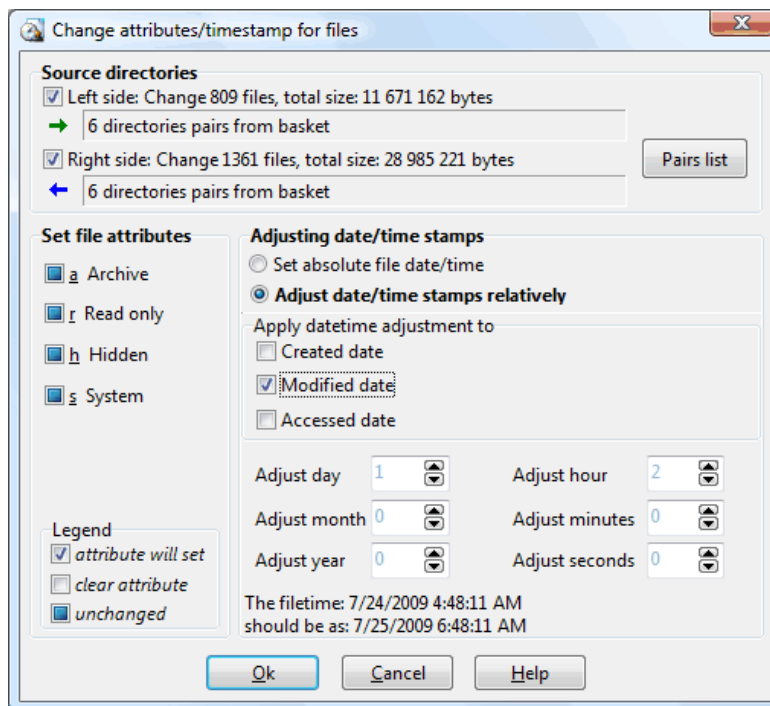
To activate the window select menu item *Change date/attributes for selected files*  (**ALT+T**) from the context menu or from the main menu item File operations.

The window allows you to adjusting date/time stamps absolutely.



Field	Meaning
Set absolute file Date/Time	Group of controls for absolute change file's date and time. You may change Created , Modified , Accessed file's date and time.
Date	You can enter the desired date here.
Time	Here you can enter the desired time.
<0>	Sets time to zero (00:00:00).
Set current	Inserts the current date and time.

The window allows you to adjusting date/time stamps relatively.



Field	Meaning
Adjust file Date/Time	Group of controls for adjusting date/time stamps relatively. You may change Created, Modified, Accessed file's date and time.
Adjust day, month, year	Group of controls for adjust file date.
Adjust hour, minutes, seconds	Group of controls for adjust file time.

Field	Meaning
Source directories	Displays paths to source directories and number of selected files.
Pairs list	This button opens List of compared directories pairs. This button appears only if compared more than one pair.
Set file attributes	Group of controls for change file's attributes.
Archive (a)	Here you can change the state of the archive attribute. The archive attribute is automatically set each time a file is changed.
Read only (r)	By setting the read only attribute, you prevent the accidental erasure of important files. Heatsoft ADCS can delete files with this attribute, but you are asked before.
Hidden (h)	Marks a file as hidden. Hidden files are not shown in a dir listing. Heatsoft ADCS can be configured to show hidden files. (See Options: Comparison rules).
System (s)	Marks a file as a system file. The files IO.SYS and MSDOS.SYS in the root directory of the boot drive are system files. System files cannot be moved by disk optimizers like defrag.
Legend	Examples of state of controls for change attributes.
Ok	Starts executing process of changing date/attributes for selected files.
Cancel	Closes the dialog box without executing process of changing date/attributes for selected files.

4.9 Open with defined application

The **Open with** menu is located on the File operations menu, and on the Comparison table toolbar. It lets you open files with something other than the viewer associated with the file type. Open with works with files on local and network drives.

The **Open with** submenu contains:

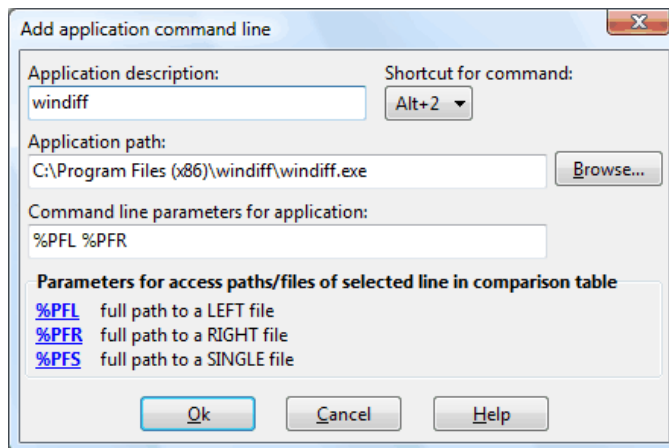
- Applications that you configure
- Configure open with

To configure applications to appear in the submenu, click 'Configure open with'. Click **New** and follow the instructions to specify the command line invocation of the application.

Add/Edit application window

To configure additional applications to appear in the **Open with** submenu, pick **Options** from the View menu, and select the Open with page. Click **Add** to add or **Edit** to change an application.

On the screen below you see Add/Edit application window.




Enter a name in the **Application Description** field to appear on the **Open with** menu. In the **Shortcut for command** drop-down you can select shortcut to quick execute the specified application.

Enter a suitable **Application path** specification for launching the application. It can include command line switches appropriate to that application. Also you can use environment variables in the path. For example, "**C:\%username%\My Documents**".

Enter suitable variables for the Application in the field **Command line parameters for application**. These variables will be replaced with the following values:

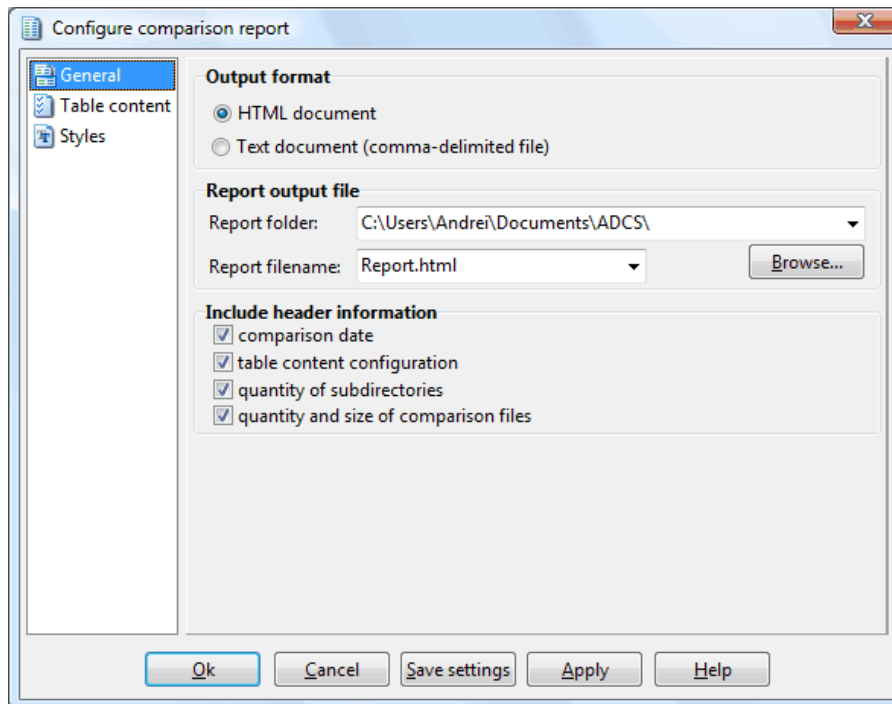
Variable	Description
%PFL	Full path to a LEFT file
%PFR	Full path to a RIGHT file
%PFS	Full path to a SINGLE file

4.10 Create a comparison report

After comparison you can generate comparison report. The Report window can be activated by click on the button *Report*  (**CTRL+P**) in the Comparison table toolbar or by select the main menu item 'File|Comparison report'.

Configure comparison report (General)

In this part of the dialog box, you may define the general settings of the comparison report.

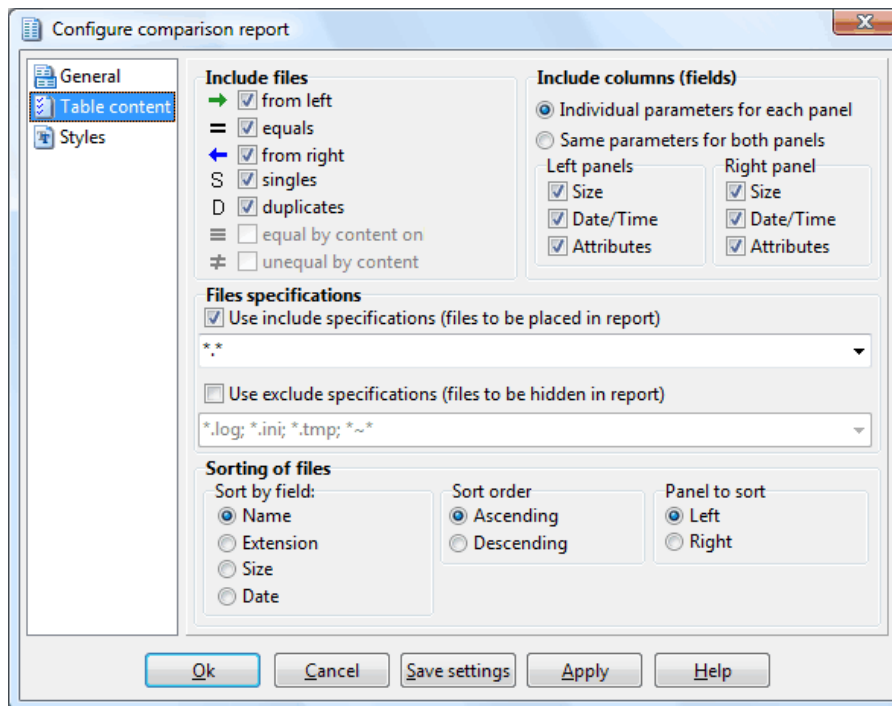


Field	Meaning
Output format	Define the format of the comparison report.
HTML	The comparison report is the HTML document. You can define the font styles. You can preview this report in any Internet browser.
Text document (comma-delimited file)	The comparison report is the comma-delimited document. You can't define the font styles.
Report output file	Define the comparison report file name and path.
Report folder	Define a default folder for the comparison report. You can use environment variables in the path. For example, " C:\%username%\My Documents ".
Browse	Allows to browse to find a destination directory for the comparison report.
Report filename	Define a default file name for the comparison report.
Include header information	Allows summary information that are included in the comparison report.
Comparison date	Includes in the comparison report date and time then this report is generated and time establish while report created.
Table content configurations	Includes in the comparison report configurations of table content.
Quantity of subdirectories	Includes in the comparison report quantity of scanned directories.
Quantity and size of comparison files	Includes in the comparison report quantity and size of comparison files.

Click **Ok** to apply your changes temporarily and generate the comparison report, or **Save settings** to apply them permanently.

Configure comparison report (Table content)

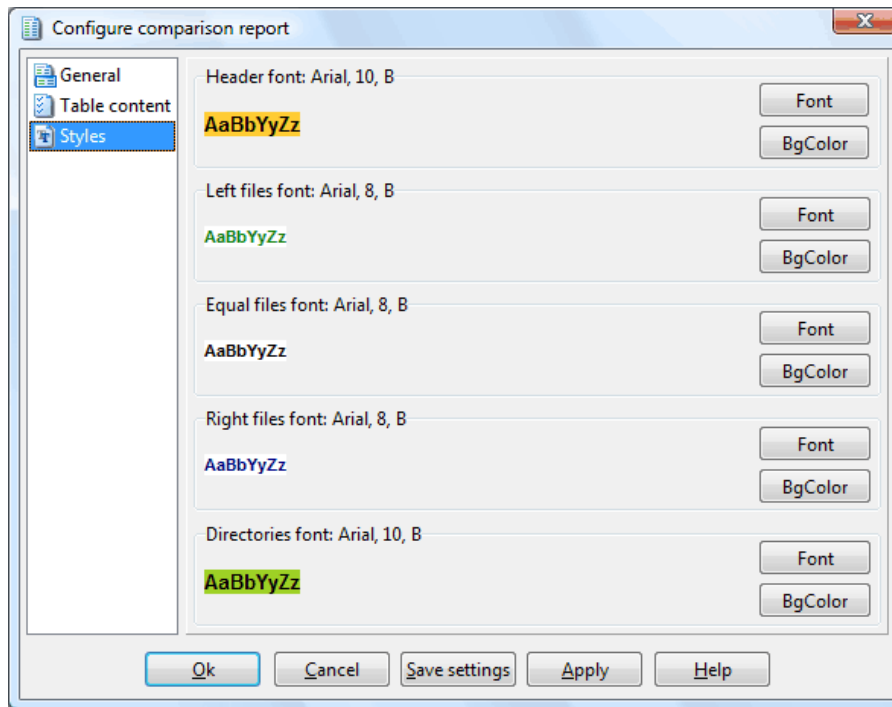
In this part of dialog box, you can define the content of comparison report.



Field	Meaning
Include files	In this part you can select files which will be include in comparison report.
Include columns (fields)	In this part you can select columns of comparison table which will be include in comparison report.
File specifications	Activate file filter. You can type file mask defines files that are included or excluded in the comparison report.
Sort by field	Defines type of sorting (Name, Extension, Size, Date).
Sort order	Defines order of sorting files (Ascending, Descending).
Panel to sort	Defines the main (left or right) panel of sort. If the filename are equal the main sort panel is important, because the sorting result may be different.

Configure comparison report (Styles)

In this part of dialog box, you can change comparison report styles (background color and font for **Header**, **Directories**, **Left files**, **Right files** and **Equal files**).




Field	Meaning
Header	The header of the comparison table.
Directories	The cell which separates directories in the comparison table.
Left files	Files on left panel of the comparison table.
Right files	Files on right panel of the comparison table.
Equal files	Files which are considered equal.

You can change font style and background color for **Header**, **Directories**, **Left files**, **Right files** and **Equal files**.

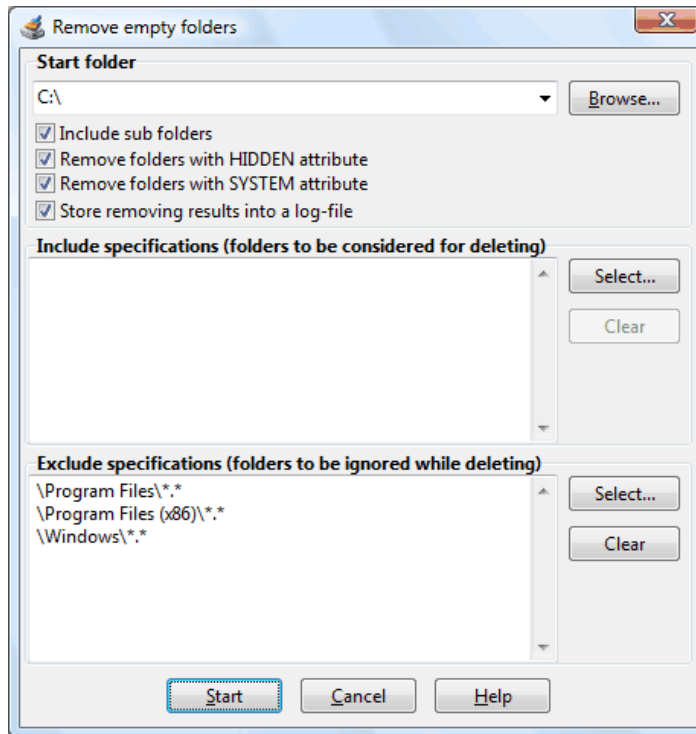
Field	Meaning
Font	Controls the attributes of text written in comparison report. To change a font Color, Name, Size or Style font click on the Change font button.
BgColor	Defines the background color.

4.11 Remove empty folders

The window allows you to remove empty folders from a directory or an entire disk. The Remove empty folders window can be activated by click on the button *Remove empty*  (**CTRL+E**) in the Views toolbar or by select the main menu item 'File|Remove empty folders'.

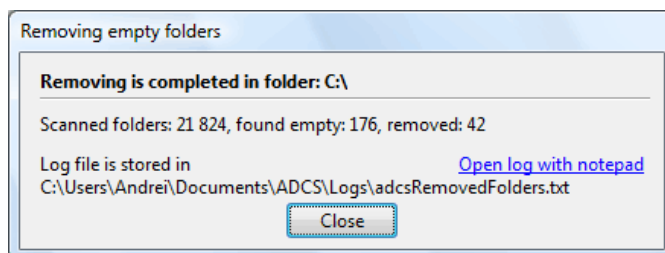
Note:

All empty folders will be deleted directly (not in Recycle Bin)!



Field	Meaning
Main folder	Field for enter path main source directory. Also you can use environment variables in the path. For example, " C:\%username%\My Documents ".
Browse	Allows to browse to find main source directory.
Include sub folders	If checked then ADCS will scan all sub folders of main folder.
Remove folders with HIDDEN attribute	If checked then ADCS will remove folders with HIDDEN attribute.
Remove folders with SYSTEM attribute	If checked then ADCS will remove folders with SYSTEM attribute.
Store removing results in log-file	If checked then ADCS will store removing results in log-file. Log-file will be placed in ADCS work folder (by default this folder is " C:\Program Files (x86)\ADCS\.. ")
Include specifications	List of folders which will be included for scan for empty folders.
Select	Allows to select folders from folders tree.
Exclude specifications	List of folders which will be excluded for scan for empty folders.
Select	Allows to select folders from folders tree.

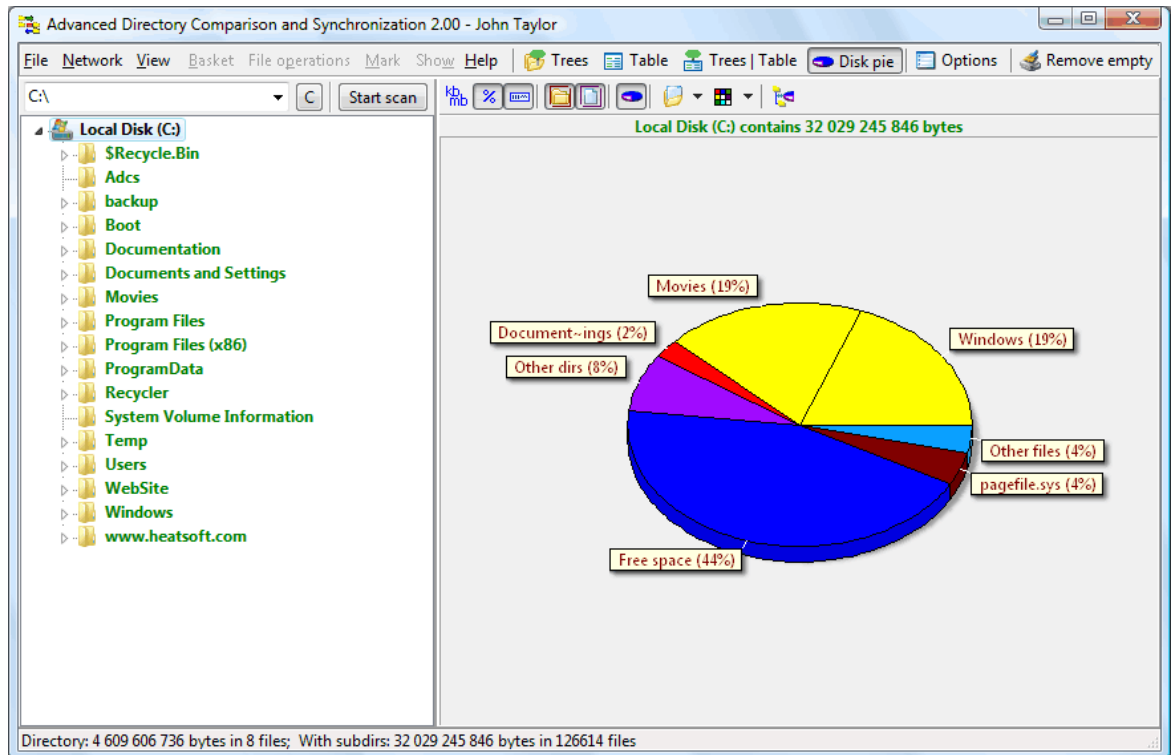
When the process is done you will see the result window.



5 Disk space viewer

5.1 Overview

The *Disk space viewer* is intended for visual evaluation of sharing a disk space occupied by directories and files. The *Disk space viewer* consists of several main parts: directories tree and piechart. On the screen below you can see the main window of the *Disk space viewer*.



You can use environment variables in the Pie path. For example, "**C:\%username%\My Documents**".

All subdirectories of the first level of directory or disk chosen in the directories tree are displayed on the piechart. On the piechart directories looks as sectors.


The sector size is proportional to the occupied disk space by the directory. So the greater directory corresponds a sector of greater size. According to user settings on the piechart can be displayed only files from the chosen directory or directory with files.

So, with the *Disk space viewer* you may easily, simply and quickly value a volume and structure of directories and disks which is interesting for you.

5.2 Start tutorial

Process of building of diagram of sharing a disk space consists of simple steps:

Step 1

To start work with the *Disk space viewer* click on the button *Disk space viewer*  in the View toolbar or select main menu item View|Disk space viewer.

Step 2

The path from the directories tree will be placed in the combobox at the panel on the top of the Disk space viewer. You can write or edit path in the combobox. For select a directory quickly, use the **Browse** button which allows to select a new directory path from tree.

Step 3

Click on the button *Start scan* to start the disk reading process. *Disk space viewer* starts gathering directory information; this may take some time. In the left bottom of the *Disk space viewer* window you can see the directories it is reading.

If you want to abort the disk reading process you can click on the button *Abort scan*.

Step 4

In the other panel the *Disk space viewer* shows the disk piecharter.

Step 5

Click on the secondary mouse button in the disk piecharter or the directories tree to access to the context menu. With this context menu you can change the settings of the disk piecharter or the directories tree. Also you can use the Disk space viewer toolbar to change settings of the disk piecharter. By default the changed settings are saves automatically.

Step 6

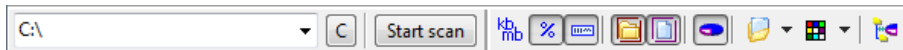
You can navigate through the directory structure using the directories tree. Click on a directory name to shows it at the disk piecharter.

5.3 The keyboard shortcuts













The toolbar consists of a number of small buttons identified by icons. With the toolbar you can call menu commands. If you leave the mouse cursor on a button for a moment a small window with a description will appear.

Shortcut	Description
SHIFT+ALT+G	Shows only directories on the disk piecharter
SHIFT+ALT+H	Shows only files on the disk piecharter
SHIFT+ALT+A	Shows directories and files on the disk piecharter
SHIFT+ALT+S	Include size
SHIFT+ALT+P	Include percent
SHIFT+ALT+N	Allows to cut long names
SHIFT+ALT+D	It limits quantity of directories on the disk piecharter
SHIFT+ALT+F	It limits quantity of files on the disk piecharter

5.4 The Viewer toolbar



The **Viewer toolbar** contains the following buttons:

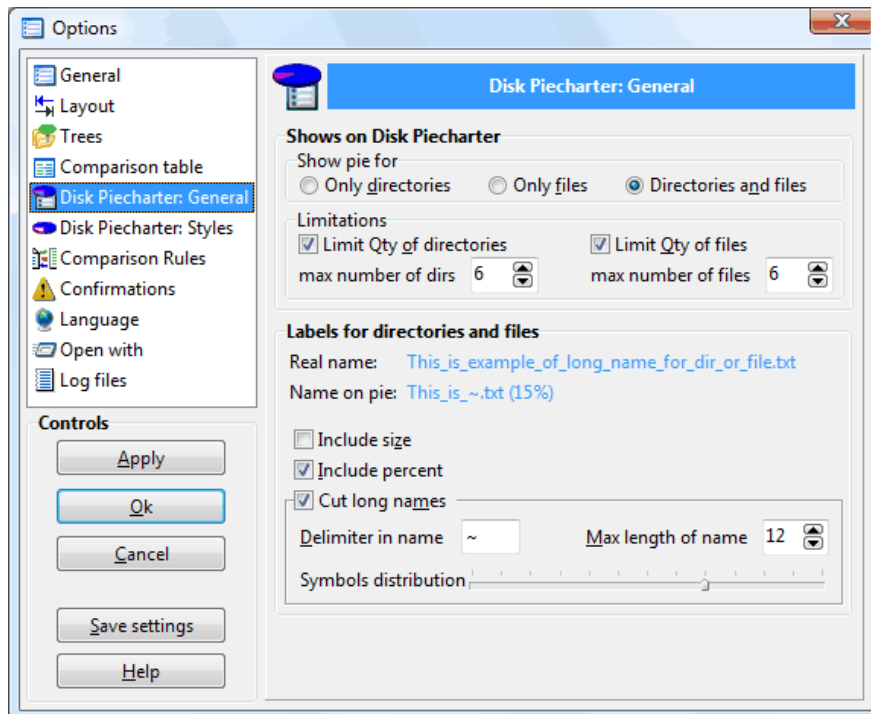
Button	Shortcut	Description
combobox		This combobox allows to select a drive or type a path for disk piecharter.
C		Allows to browse to find a directory for disk piecharter.
Start scan		Allows to start the disk reading process for creating the disk piecharter
Abort scan		Allows to abort the disk reading process.
	SHIFT+ALT+S	If down then a size is added to the name in the labels for directories and files
	SHIFT+ALT+P	If down then a percent from total disk space for directory or file is added to the name in the labels for directories and files
	SHIFT+ALT+N	Allows to cut long names of directories and files
	SHIFT+ALT+D	Allows to limit quantity of directories on the piechart. It is useful when the quantity of directories is too many
	SHIFT+ALT+F	Allows to limit quantity of files on the piechart. It is useful when the quantity of files is too many
	None	This setting defines the 3 dimension for the disk piecharter
	SHIFT+ALT+G	Only directories are displayed on the piechart
	SHIFT+ALT+H	Only files are displayed on the piechart
	SHIFT+ALT+A	Directories and files are displayed on the piechart
	None	Defines the background color for the Directories, Hidden and System directories, Hidden and System files, Files and Free space . To change color click on the <i>Color of disk piecharter</i>  button.
	None	Allows to swap tree and disk piecharter panels.

Notes:

- You can use environment variables in the Pie path. For example, "**C:\%username%\My Documents**".
- To activate a command, click on the corresponding button with the primary mouse button.
- To get a short description of the function of each button, rest the mouse cursor over the button.

5.5 The viewer options (General)

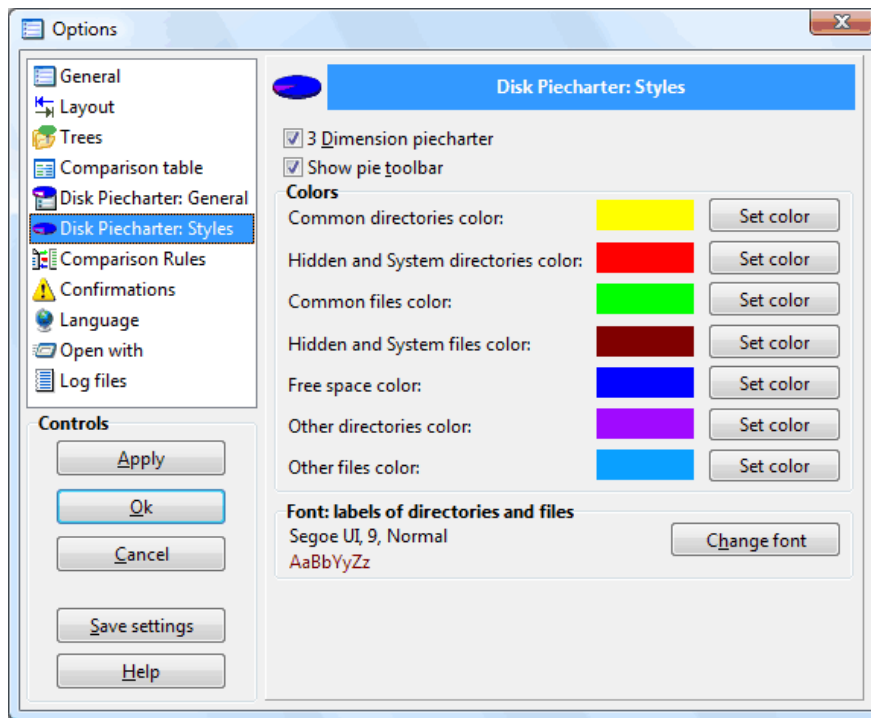
The sheet 'Disk Piecharter: General' contains main Disk space viewer setting.



Field	Meaning
Only directories	Only directories are displayed on the piechart.
Only files	Only files are displayed on the piechart.
Directories and files	Directories and files are displayed on the piechart.
Limit qty of directories	This setting allows to limit quantity of directories on the piechart. It is useful when the quantity of directories is too many.
Max number of dirs	This setting define the maximum number of directories which is displayed on the piechart.
Limit qty of files	This setting allows to limit quantity of files on the piechart. It is useful when the quantity of files is too many.
Max number of files	This setting define the maximum number of files which will be displayed on the piechart.
Labels for directories and files	This setting defines the labels for directories and files on the piechart.
Include size	If checked then a size is added to the name in the labels for directories and files.
Include percent	If checked then a percent from total disk space for directory or file is added to the name in the labels for directories and files.
Cut long names	This setting allows to cut long names of directories and files.
Delimiter in name	This setting defines the delimiter in the long name. The delimiter may be like '~' or other that you want.
Max length of name	This setting defines the maximum length of the long name.

Disk space viewer options (Styles)

The sheet 'Disk Piecharter: Styles' contains colors and fonts setting for Disk space viewer.



Field	Meaning
3 Dimension piecharter	This setting define the 3 dimension for the disk piecharter.
Show pie toolbar	This setting define visibility of the disk piecharter toolbar.
Colors	Defines the background color for the Directories, Hidden and System directories, Hidden and System files, Files and Free space. To change color click on the Set color button.
Font	Controls the attributes of text written in the labels of the disk piecharter. To change a font Color, Name, Size or Style of directories tree font click on the Change font button.

6 Registration and Licensing

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