1.

1.1   Introduction

1.1.1 Overview

The "Directory checker" is an easy to use utility software. The "Directory checker" enables to store the state of files, directories, for future comparison, or comparing two versions of software, existing on different machines.
It can be very useful:
* For system management to discover changes made on the machine, compared to the installed state
* Monitor user activity on selected disks, or directories, to discover quickly what was written modified or removed from the computer
* To compare installed software on 2 different computers, to find out differences, (why   the program is running on   one and not on the other)
* Store catalog of files delivered on CD, and compare them with the installed software, for verification purposes
* And much more.

To enable high speed comparisons, and data access, the "Directory checker" is using ADS which is an extremely fast Application Data Server, also available from ITD. ADS enables more than 10.000 access to the ADS tables within a second. This high-speed search and data access allows comparing the Master table with the Slave table containing thousands of records, within seconds and milliseconds.

1.2   Terms & Abbreviations

Master   : The disk or directories to which the comparison will be done.
Slave   : The disk or directories with which the comparison will be done.
-T----   : Time difference between Master and Slave files
--S---   : Size difference between Master and Slave files
---R--   : Removed file does not exist within the Slave files
---N--   : New file exist within Slave files, and not on the Master
-----C   : CRC difference of file CRCs   (Cyclic Redundancy Check)

1.3   Options of   "Directory checker"

1.3.1 Use full path

The "Use full path option" stores the full directory from the root, for comparison.
This option used during the scanning directory procedures.

1.3.2 Use relative path

The "Use relative path option" stores the directories and subdirectories from the selected path for comparison. This option has to be selected when you want to compare the same files, stored into 2 different directories.
This option is used during the scanning directory procedures.

1.3.3 Check full path

This option   is to beused during the comparison process.
Files and directories are stored separately in the internal database of the "Directory checker", so the comparison can be done on the file name level Only, or on the joined path and file name level.
When this option is selected the comparison between Master and the Slave is done comparing path and file name.

1.3.4 Enable CRC checking

This option is used when the scanning directory procedures.
This option calculates CRC (Cyclic Redundancy Check), and has to be used when files on network has to be compared, with different time zone.

1.3.5 Fill list on load

This option is to be used during loading Slave or Master files, and enable or disable filling of list boxes with filenames.   This option was implemented because of filling of list box data takes a lot of time when more than 50000 files are present in the checker tables.

1.3.6 Application Data Server Options

1.3.6.1   Initial table size

When tables are created to store the scanned data, their size is determined in records. It is not important to have the exact number of files to scan because the tables are growing automatically, but every growth is time consuming. Having correctly adjusted the initial number of files, no growth needed, so the "Directory checker" is working much faster. This parameter is 5000 as default.

1.3.6.2   Table growth

As the ADS tables, which are used in the "Directory checker",are growing automatically, this parameter allows to adjust the size of growth, which used for automatic growing.

1.4   Function of   "Directory checker"

1.4.1 Main Window

1.4.1.1   Add
Concerns Master or Slave operation. Adds one directory for scanning operation. The chosen directory will be scanned during the Master or Slave list create operation.

1.4.1.2   Delete
Concerns Master or Slave operation.   Deletes the selected directories from the listbox for scanning.

1.4.1.3   Reset
Concerns Master or Slave operation. Resets the concerned listbox.

1.4.1.4   Master list create
Scans the directories added to the Master listbox, and create a master list for comparison.

1.4.1.5   Slave list create
Scans the directories added to the Slave listbox, and create a slave list for comparison.

1.4.1.6 Compare

Compares the Master list with the slave list. During the comparison the files Time, Size, CRC are compared, and a list of differences is created.

1.4.1.7 Display different

This option displays a list of differences found between the Master and the Slave. There are checkbox options to display the selected difference. (Time, Size, CRC, etc.)

1.4.1.8 Exit

Exit from the program.

1.4.1.9 Abort scanning

Aborts the scanning process.

1.4.2 Display Window

The differences found are displayed in the display window. This list shows the names of files, where any difference found. To get more information on the file, double click with the mouse or zoom button has to be used.

1.4.2.1 Zoom

This button zooms into more detailed information on the difference between the files in the Master and slave list.

1.4.2.2 Refresh

Refresh the display, when options are changed.

1.4.2.3 Exit

Exit from this window.

1.4.2.4 Save

Saves the list of differences to an ASCII file. This file can be then edited, printed out with any word processor.

1.4.3 Zoom window

This window displays detailed information on the difference of files. Information as filename, path, creation date, time, CRC is displayed.

1.4.3.1 Previous

Navigation button to the previous difference in the list.

1.4.3.2 Next

Navigation button to the next difference in the list.

1.4.3.3 Exit

Exits from the window.

1.5   Menus of "Directory checker"

1.5.1 Options

1.5.1.1 App. Data Server options

Opens dialogbox to set the Application Data Server options for table growth, and initial table sizes.
ADS is a memory based application data server. Each record stored in the Master or   Slave table is 458 bytes long. Your system must have enough virtual memory to keep all files information.

Maximum 65.535 records can be stored for checking.

1.5.1.2 *Exit*

Exit from the program.

1.5.2 Master

1.5.2.1 *Save As*

Saves As Master table to disk.

1.5.2.2 *Save*

Saves Master table to disk.

1.5.2.3 *Load*

Load previously saved table. Master or Slave tables can be loaded reversly.

1.5.3 Slave

1.5.3.1 *Save As*

Saves As Slave table to disk.

1.5.3.2 *Save*

Saves Slave table to disk.

1.5.3.3 *Load*

Load previously saved table. Master or Slave tables can be loaded reversibly.

1.5.4 Register

Register software with the software key. Enables the demo software to become a full version.

1.5.5 Help

1.5.5.1 *About*

About box

1.5.5.2 *Index*

Refers to this user manual.

1.6 File_ID.DIZ

(version 2.1) powerful tool for comparing,
and storing states of disk or directory contents, files.
Uses CRC when compares files in different timezone.
A small program with great performances, powered with ADS32.
A fully operational demo, which can easily be into a licensed software
by receiving your personal key code.
More information from readme file,
or MailTo:100427.400@compuserve.com