DirectoryCleaner-1.0.jar

Age and name-based file zip, delete, or list tool for file system maintenance.

Purpose: The program’s goal is to automate the processes of archiving/deleting/identifying files based on age and naming convention. The primary use case would be to clean an application’s log directory. Another would be to conserve space by archiving/zipping files after a certain age.

## Command Options:

Actions

Only one can be used per execution

* ZIP – creates a zip file, and moves all matching files to this location. The original files are deleted. Empty directories will remain in the file system
* DEL –deletes all matching files. (directories are NOT deleted)
* LIST –will only report which files would be acted upon (will make no changes).

### Start Location

* Source – this command-line option represents the starting directory. Subdirectories are implicitly searched.

### Matching

Only one can be used per execution

* Age – Files that have been modified in the last n days will be excluded.
* Match – This is a comma-separated list of strings. All files that end in these strings be considered a match. Matching is case insensitive.
* Regular Expression Name Matching – Provide a regular expression file name matching mechanism. File names are converted to lower case before evaluation…write all expressions assuming lower case targets.

### Usage description

usage: java -jar DirectoryCleaner-1.0.jar -age <days> -del | -list | -zip <file> [-help]

-match <str[,str]> | -matchall | -matchregx <regx> -source <dir>

[-v]

This application will reclusively search the given source directory for

file that match and are >= given age. The action will be to deleted, move

to zip, or list the files that match.

-age <days> minimum age of files in days

-del Action: Delete Files that match

-help Display this message.

-list Action: List Files only

-match <str[,str]> comma separated list of strings

-matchall all files names match

-matchregx <regx> regular expression string

-source <dir> starting Directory

-v Turn on verbose output for debugging.

-zip <file> Action: Archive to zip file location

Examples:

-Delete \*.tmp and \*.log files older than 10 days.

logfilecleanup -source c:\temp -del -match .tmp,.log -age 10

-Zip Everything

logfilecleanup -source c:\temp -zip c:\zipall.zip -matchall -age 0

-List all files that end begin with INS or end in log

logfilecleanup -source c:\temp -list -matchregx ^INS|log$ -age 0

### Usage description Detailed

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| Option | Description |
| age <days> | Required. Defines the minimum number of days since a file was last modified. Formulas is CurrentDateTime – days.  Examples:  age 0 🡺 Current Datetime – 0 Days 🡺 results in all files  age 10 🡺 Current Datetime – 10 Days 🡺 results in all files older than 10 days. |
| del | **Action:** delete all files matching age and name |
| zip <file> | **Action:** Zip all files matching age and name to the location defined by <file>. Original files will be deleted. |
| list | **Action:** List all file matching age and name. |
| match <str[,str]> | **Name Matching:** Matches the given strings against file names, where the string is the last part of the name. Best used for extensions. The character case is ignored. |
| matchall | Name Matching: all files are included (\*.\* type functionality). This option puts all emphasis on age for limiting files. |
| matchregx <regx> | Name Matching: Allows more complex matching via regular expression matching. See <http://download.oracle.com/javase/6/docs/api/java/util/regex/Pattern.html>  For details on allowable expression. The regx string is evaluated in the case provide but is compared to lowercase file names. When writing the regx assumes all filenames will be in lowercase. |
| -source <dir> | This option will define the starting point for all searches |
| -help | Display command line help text |
| -V | Turn on verbose logging |
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