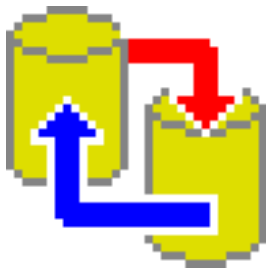


SYNC LOGIC

File & directory synchronization made easy



User Manual

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Setup

Hardware Requirements

Pentium 133, 32Mb RAM, Network Interface Card (if synchronizing between two PC's).

Software Requirements

Windows 9x/Me or Windows NT/XP/2000/2003, TCP/IP network connection.

NOTE: Windows 9x/ME will be unable to use certain features dependant on operating system capability such as task scheduling and system event logging.

Installation Procedure

Run the application setup program provided (following all prompts).

Application

Functionality

Sync Logic provides for intelligent file and directory synchronization between two different file system areas. These two areas can be simply different directories on the same hard drive, two different hard drives, different network shares or even removable media such as USB pen drives.

Technical Overview

Sync Logic provides a simple and easy to use graphical user interface (GUI) as well as an inclusive command line interface for use in batch and scheduled jobs.

Features

Command Line Interface

Full product functionality from a simple DOS-style command line.

Graphical User Interface (GUI)

Full product functionality in a simple and straight forward clickable GUI. Includes an easy "Make CmdLine" option to create a functional command line statement from the currently selected options.

Logging

Optional logging for all jobs and failures to aid in system diagnostics. Additionally, email can be sent regarding the status of the current sync job.

User Procedure & Navigation

Command Line Interface

A simple and direct interface to Sync Logic is through the command line interface. Command line is simply the command you use to start Sync Logic (i.e. C:\Util\sync.exe). By adding “switches” to the end of the command, you can control the way Sync Logic starts. If the /A, /S and /X options are selected, Sync Logic will become fully automated and not display the GUI at all, this is the suggested mode of operations for scheduled and batch style jobs.

Command Line Switches

| | |
|---------------------------------|---|
| <code>/?</code> | Help – Displays command line interface help. |
| <code>/SRC:[dir]</code> | SouRCe directory – Defines the directory to synchronize FROM. |
| <code>/DST:[dir]</code> | DeSTination directory – Defines the directory to synchronize TO. |
| <code>/IE:[ext],[ext]...</code> | Ignore Extensions – Files with these extensions will not be considered in the synchronization process. |
| <code>/A</code> | Auto sync – Begin synchronization immediately. |
| <code>/S</code> | Silent mode – Do not display pop-up messages for errors. |
| <code>/X</code> | eXit program after sync job – Sync Logic will end as soon as the synchronization job has been completed. |
| <code>/O</code> | copy Older files – During a one-way synchronization job, this will copy files from the source that are older versions of files that exist in the destination directory. This option insures a Master-Slave relationship between source and destination. |
| <code>/2</code> | 2-way synchronization – This will synchronize files to and from the source AND destination directories, insuring newer files in both directories are available in each. |
| <code>/D</code> | include subdirectories – This will copy a full tree structure of files and sub-directories. |
| <code>/H</code> | Hidden files – Process hidden files. |
| <code>/C</code> | Clean destination – Delete files from destination directory that do not exist in the source directory. |
| <code>/CR</code> | Recycle on Clean Destination – Files deleted during a Cleaning operation will be moved to the recycle bin instead of simply being deleted (Note: this only works on the local system drives and not networked volumes). |
| <code>/CD</code> | DOD Secure Delete on Clean Destination – Files deleted during a cleaning operation will be overwritten multiple times in a DOD-compliant methodology. |
| <code>/CO</code> | Overwrite on Clean – Files deleted during a clean operation will be subjected to a simple overwrite procedure prior to deletion to protect against recovery techniques. |
| <code>/CS:[overwrites]</code> | Secure Shred on Clean – Files deleted during a clean operation will be subjected to multiple overwrites prior to deletion to protect against recovery techniques. |
| <code>/E</code> | Send email on job completion. |
| <code>/L</code> | create Log file – Creates a standard ASCII readable file during the file synchronization process. |
| <code>/V</code> | Verbose logging – Like /L option above, with detail of every action, not just major action and errors. |
| <code>/SC:[cmd]</code> | Success sync Command – Command line to run after successful sync job. |
| <code>/SD:[dir]</code> | Success command working Directory – Working directory for /SC option to operate in. |
| <code>/FC:[cmd]</code> | Failed sync Command - Command line to run after failed sync job. |
| <code>/FD:[dir]</code> | Failed command working Directory - Working directory for /FC option to operate in. |
| <code>/P:[profile]</code> | Load and auto run a saved profile. |

Graphical User Interface (GUI)

Sync Logic's primary interface is the graphical user interface. Starting Sync Logic by either clicking it's icon or starting it via the command line with no options selected will enter the GUI. All of Sync Logic's command line interface options are available through the GUI. If the /A, /S and /X options are selected, Sync Logic will become fully automated and not display the GUI at all, this is the suggested mode of operations for scheduled and batch style jobs.

Source Directory (/SRC)

The directory to copy files from. The "..." button to the left allows for browsing to the intended source directory.

Destination Directory (/DST)

The directory to copy files to. The "..." button to the left allows for browsing to the intended destination directory. Multiple destination directories may be specified by separating them with semi-colons (;). Ex: "C:\DATA;D:\DATA2;F:\DATA3"

Ignore Extensions (/IE)

File extensions to ignore during the file synchronization process. Multiple extensions are delimited with commas (,).

Options

These options are identical to the command line options (Auto Sync, Copy Old, Silent, 2-Way, Clean Destination, Subdirs, Hidden Files, Event Log, Log, Verbose, Exit After, Email Log).

Delete Options

These options are available if using the "Clean Destination" option to specify what method will be used to delete orphaned destination files and are identical to the command line options (Recycle, Secure Overwrite, Secure DOD, Secure Shred).

- Normal – Simple file deletion.
- Recycle – Deleted files will be moved to the recycle bin when possible.
- Secure Overwrite – Files will be over-written prior to deletion to protect against data recovery techniques.
- Secure Shred – Like secure overwrite, but file can be overwritten a number of times specified by the user for greater protection against data recovery.
- Secure DOD – files are overwritten in a manner consistent with Department of Defense specifications for data destruction (**DOD-5220.22**).

Post Job Commands

Specifies what jobs if any will be executed upon synchronization job completion.

Success - Command

Optional command line to be run after sync job completes with no errors.

Success - Directory

Optional default directory for execution of success command.

Failure - Command

Optional command line to be run after sync job completes with errors.

Failure - Directory

Optional default directory for execution of failure command.

Log Functions

Log files created during synchronization jobs are managed here.

View

Opens the log viewing window with the currently selected log.

Delete

Deletes the selected log file.

Purge

Deletes ALL log files.

Profile Functions

Pre-defined profiles for synchronization jobs are managed here.

Active Profile

The intended profile name of a profile to be saved, or the most recently loaded profile.

Run Sel.

Runs all selected jobs.

Schedule

This will open the job scheduling system to aid in creating scheduled synchronization jobs to be run by the Windows Task Scheduler service.

Load

Select and load a previously defined profile for use.

Delete

Delete a selected profile.

Save

Save the current synchronization settings as a profile to be used later.

Help

This button used to display command line switch help.

Cfg Email

This button used to configure eMail setup for use in sending job status upon sync completion.

Progress

This button will open a window to watch the current status of the sync job in progress.

CmdLine

Pressing this button will create a command line containing all of the options currently selected. The resulting command line is copied to the windows clipboard.

Sync

Press this button to begin the synchronization job.

Register

This button only displayed until a proper product registration code has been entered. Press this button to apply your product registration.

Exit

End Sync Logic.