Robocopy

# Description

Robocopy is the Robust Copy tool available on Windows 7 machines. It has a variety of advanced capabilities not available when using the GUI to copy files, or when using Xcopy. Please note, it copies folders and their contents, it will not copy a specific file. You can exclude specific subfolders, or specific types of files.

# Examples

Robocopy c:\source e:\destination

Robocopy %userprofile%\documents e:\migrate\%username%\documents /e /xj /log:copylog.txt /tee

Command Help

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ROBOCOPY :: Robust File Copy for Windows

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Started : Wed Jun 24 09:04:32 2015

Usage :: ROBOCOPY source destination [file [file]...] [options]

source :: Source Directory (drive:\path or \\server\share\path).

destination :: Destination Dir (drive:\path or \\server\share\path).

file :: File(s) to copy (names/wildcards: default is "\*.\*").

::

:: Copy options :

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/S :: copy Subdirectories, but not empty ones.

/E :: copy subdirectories, including Empty ones.

/LEV:n :: only copy the top n LEVels of the source directory tree.

/Z :: copy files in restartable mode.

/B :: copy files in Backup mode.

/ZB :: use restartable mode; if access denied use Backup mode.

/EFSRAW :: copy all encrypted files in EFS RAW mode.

/COPY:copyflag[s] :: what to COPY for files (default is /COPY:DAT).

(copyflags : D=Data, A=Attributes, T=Timestamps).

(S=Security=NTFS ACLs, O=Owner info, U=aUditing info).

/DCOPY:T :: COPY Directory Timestamps.

/SEC :: copy files with SECurity (equivalent to /COPY:DATS).

/COPYALL :: COPY ALL file info (equivalent to /COPY:DATSOU).

/NOCOPY :: COPY NO file info (useful with /PURGE).

/SECFIX :: FIX file SECurity on all files, even skipped files.

/TIMFIX :: FIX file TIMes on all files, even skipped files.

/PURGE :: delete dest files/dirs that no longer exist in source.

/MIR :: MIRror a directory tree (equivalent to /E plus /PURGE).

/MOV :: MOVe files (delete from source after copying).

/MOVE :: MOVE files AND dirs (delete from source after copying).

/A+:[RASHCNET] :: add the given Attributes to copied files.

/A-:[RASHCNET] :: remove the given Attributes from copied files.

/CREATE :: CREATE directory tree and zero-length files only.

/FAT :: create destination files using 8.3 FAT file names only.

/256 :: turn off very long path (> 256 characters) support.

/MON:n :: MONitor source; run again when more than n changes seen.

/MOT:m :: MOnitor source; run again in m minutes Time, if changed.

/RH:hhmm-hhmm :: Run Hours - times when new copies may be started.

/PF :: check run hours on a Per File (not per pass) basis.

/IPG:n :: Inter-Packet Gap (ms), to free bandwidth on slow lines.

/SL :: copy symbolic links versus the target.

/MT[:n] :: Do multi-threaded copies with n threads (default 8).

n must be at least 1 and not greater than 128.

This option is incompatible with the /IPG and /EFSRAW options.

Redirect output using /LOG option for better performance.

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:: File Selection Options :

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/A :: copy only files with the Archive attribute set.

/M :: copy only files with the Archive attribute and reset it.

/IA:[RASHCNETO] :: Include only files with any of the given Attributes set.

/XA:[RASHCNETO] :: eXclude files with any of the given Attributes set.

/XF file [file]... :: eXclude Files matching given names/paths/wildcards.

/XD dirs [dirs]... :: eXclude Directories matching given names/paths.

/XC :: eXclude Changed files.

/XN :: eXclude Newer files.

/XO :: eXclude Older files.

/XX :: eXclude eXtra files and directories.

/XL :: eXclude Lonely files and directories.

/IS :: Include Same files.

/IT :: Include Tweaked files.

/MAX:n :: MAXimum file size - exclude files bigger than n bytes.

/MIN:n :: MINimum file size - exclude files smaller than n bytes.

/MAXAGE:n :: MAXimum file AGE - exclude files older than n days/date.

/MINAGE:n :: MINimum file AGE - exclude files newer than n days/date.

/MAXLAD:n :: MAXimum Last Access Date - exclude files unused since n.

/MINLAD:n :: MINimum Last Access Date - exclude files used since n.

(If n < 1900 then n = n days, else n = YYYYMMDD date).

/XJ :: eXclude Junction points. (normally included by default).

/FFT :: assume FAT File Times (2-second granularity).

/DST :: compensate for one-hour DST time differences.

/XJD :: eXclude Junction points for Directories.

/XJF :: eXclude Junction points for Files.

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:: Retry Options :

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/R:n :: number of Retries on failed copies: default 1 million.

/W:n :: Wait time between retries: default is 30 seconds.

/REG :: Save /R:n and /W:n in the Registry as default settings.

/TBD :: wait for sharenames To Be Defined (retry error 67).

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:: Logging Options :

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/L :: List only - don't copy, timestamp or delete any files.

/X :: report all eXtra files, not just those selected.

/V :: produce Verbose output, showing skipped files.

/TS :: include source file Time Stamps in the output.

/FP :: include Full Pathname of files in the output.

/BYTES :: Print sizes as bytes.

/NS :: No Size - don't log file sizes.

/NC :: No Class - don't log file classes.

/NFL :: No File List - don't log file names.

/NDL :: No Directory List - don't log directory names.

/NP :: No Progress - don't display percentage copied.

/ETA :: show Estimated Time of Arrival of copied files.

/LOG:file :: output status to LOG file (overwrite existing log).

/LOG+:file :: output status to LOG file (append to existing log).

/UNILOG:file :: output status to LOG file as UNICODE (overwrite existing log).

/UNILOG+:file :: output status to LOG file as UNICODE (append to existing log).

/TEE :: output to console window, as well as the log file.

/NJH :: No Job Header.

/NJS :: No Job Summary.

/UNICODE :: output status as UNICODE.

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:: Job Options :

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/JOB:jobname :: take parameters from the named JOB file.

/SAVE:jobname :: SAVE parameters to the named job file

/QUIT :: QUIT after processing command line (to view parameters).

/NOSD :: NO Source Directory is specified.

/NODD :: NO Destination Directory is specified.

/IF :: Include the following Files.Further Resources

Provide any links that may be of additional use while using this tool.