

Robocopy

 ROBOCOPYRobust File Copy for Windows

UsageROBOCOPY source destination [file [file]...] [options]

sourceSource Directory (drive:\path or \\server\share\path).
 destinationDestination Dir (drive:\path or \\server\share\path).
 fileFile(s) to copy (names/wildcards: default is "*.*").

eg: RoboCopy h:\ g:\Phil *.* /S /ZB /XN
 RoboCopy h:\ g:\Phil *.* /S /DCOPY:DA /COPY:DAT /ZB /XN /R:1000000 /W:30

Copy options

/256	turn off very long path (>256 characters) support.
/A-:[RASHONET]	remove the given Attributes from copied files.
/A+:[RASHONET]	add the given Attributes to copied files.
/B	copy files in Backup 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).
/COPYALL	COPY ALL file info (equivalent to /COPY:DATSOU).
/CREATE	CREATE directory tree and zero-length files only.
/DCOPY:copyflag[s]	what to COPY for directories (default is /DCOPY:DA). (copyflags : D=Data, A=Attributes, T=Timestamps).
/E	copy subdirectories, including Empty ones.
/EFSRAW	copy all encrypted files in EFS RAW mode.
/FAT	create destination files using 8.3 FAT file names only.
/IFG:n	Inter-Packet Gap (ms), to free bandwidth on slow lines.
/J	copy using unbuffered IO (recommended for large files).
/LEV:n	only copy the top n LEVels of the source directory tree.
/MR	MIRror a directory tree (equivalent to /Eplus /PURGE).
/MON:n	MONitor source; run again when more than n changes seen.
/MOT:m	MONitor source; run again in mminutes Time, if changed.
/MOV	MOVE files (delete from source after copying).
/MOVE	MOVE files AND dirs (delete from source after copying).
/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 /IFG and /EFSRAW options. Redirect output using /LOG option for better performance.
/NOCOPY	COPY NO file info (useful with /PURGE).
/NODCOPY	COPY NO directory info (by default /DCOPY:DA is done).
/NOOFFLOAD	copy files without using the Windows Copy Offload mechanism.
/PF	check run hours on a Per File (not per pass) basis.
/PURGE	delete dest files/dirs that no longer exist in source.
/Rthhmm-hhmm	Run Hours - times when new copies may be started.
/S	copy Subdirectories, but not empty ones.
/SEC	copy files with SEQuity (equivalent to /COPY:DATS).
/SECPIX	FIX file SEQuity on all files, even skipped files.
/SL	copy symbolic links versus the target.
/TIMFIX	FIX file TIMes on all files, even skipped files.
/Z	copy files in restartable mode.
/ZB	use restartable mode; if access denied use Backup mode.

File Selection Options

/A	copy only files with the Archive attribute set.
/DST	compensate for one-hour DST time differences.
/FFT	assume FAT File Times (2-second granularity).
/A-:[RASHONETO]	Include only files with any of the given Attributes set.
/IS	Include Same files.
/IT	Include Tweaked files.
/M	copy only files with the Archive attribute and reset it.
/MAX:n	MAXimum file size - exclude files bigger than n bytes.
/MAXAGE:n	MAXimum file AGE - exclude files older than n days/date.
/MAXLAD:n	MAXimum Last Access Date - exclude files unused since n.
/MIN:n	MINimum file size - exclude files smaller than n bytes.
/MINAGE:n	MINimum file AGE - exclude files newer than n days/date.
/MINLAD:n	MINimum Last Access Date - exclude files used since n. (If n < 1900 then n = n days, else n = YYYYMMDD date).
/XA-:[RASHONETO]	eXclude files with any of the given Attributes set.
/XC	eXclude Changed files.
/XD dirs [dirs]...	eXclude Directories matching given names/paths.
/XF file [file]...	eXclude Files matching given names/paths/wildcards.
/XJ	eXclude Junction points. (normally included by default).
/XJD	eXclude Junction points for Directories.
/XJF	eXclude Junction points for Files.
/XL	eXclude Lonely files and directories.

/XN	eXclude Newer files.
/XO	eXclude Older files.
/XX	eXclude eXtra files and directories.

Retry Options

/Rn	number of Retries on failed copies: default 1 million.
/REG	Save /Rn and /W:n in the Registry as default settings.
/TBD	wait for sharenames To Be Defined (retry error 67).
/W:n	Wait time between retries: default is 30 seconds.

Logging Options

/BYTES	Print sizes as bytes.
/ETA	show Estimated Time of Arrival of copied files.
/FP	include Full Pathname of files in the output.
/L	List only - don't copy, timestamp or delete any files.
/LOG:file	output status to LOG file (overw rite existing log).
/LOG+:file	output status to LOG file (append to existing log).
/NC	No Class - don't log file classes.
/NDL	No Directory List - don't log directory names.
/NFL	No File List - don't log file names.
/NJH	No Job Header.
/NJS	No Job Summary.
/NP	No Progress - don't display percentage copied.
/NS	No Size - don't log file sizes.
/TEE	output to console window , as well as the log file.
/TS	include source file Time Stamps in the output.
/UNICODE	output status as UNICODE
/UNLOG:file	output status to LOG file as UNICODE (overw rite existing log).
/UNLOG+:file	output status to LOG file as UNICODE (append to existing log).
/V	produce Verbose output, showing skipped files.
/X	report all eXtra files, not just those selected.

Job Options

/IF	Include the following Files.
/JOB:jobname	take parameters from the named JOB file.
/NODD	NO Destination Directory is specified.
/NOSD	NO Source Directory is specified.
/QUIT	QUIT after processing command line (to view parameters).
/SAVE:jobname	SAVE parameters to the named job file

Remarks

Using /PURGE or /MR on the root directory of the volume will cause robocopy to apply the requested operation on files inside the System Volume Information directory as well. If this is not intended then the /XD switch may be used to instruct robocopy to skip that directory.