Reference

http://ss64.com/nt/robocopy.html

Options Summary

Source options

`/E`	copy subfolders including empty subfolders
`/COPYALL`	copy ALL file info (DATSOU)

Copy options

`/L`	list only - don't actually copy
`/R:n`	number of retries, default is 1 million
`/W:n`	wait time, default is 30 seconds

Destination options

`/MIR`	mirror - tend to avoid using

Logging options

`/NP`	no progress displayed, i.e. no %age copied
`/LOG:file`	overwrite log file
`/LOG+: /file`	append to log file
`/FP`	include full path of files in output
`/NFL`	no file list in log
`/NDL`	no directory list is log
`/TEE`	output to console and log file

Advanced options

`/XF file [file]`	exclude files listed
`/XD dir [dir]`	exclude directories listed
`/V`	verbose output, shows skipped files
`/MT[:n]`	Multithreaded, default is 8 - don't normally use

Requirements and Recommendations

The scripts, options, filenames are merely personal choices.

Source and **Destination** folders can be either local filesystem references (e.g.D:\path\to\directory) or

UNC path (e.g. \\Server\share\path\to\directory).

Log file suffix either **Date stamp**, **Date and Time stamp** or **Job Id**.

The log file path (e.g. C:\support\logs\) should exist. Robocopy makes a log file if it doesn't exist but does not create a log directory.

Should always use the log only (/L) option until ready to perform the copy at which point remove /L from the command options.

Base Command

```
robocopy <source> <destination> /COPYALL /L /E /R:1 /W:1 /FP /V /NP /TEE
/LOG:C:\support\logs\robocopy-<suffix>.log
```

Simple Batch Version

```
@echo off
SET SDIR=<type or paste Absolute directory path or Full UNC path>
SET DDIR=<type or paste Absolute directory path or Full UNC path>
 :: File suffix either datestamp, dateti mestamp or job id - uncomment as required
SET FILESU FFI X=% date:~10,4%% date:~7,2%%d ate :~4,2%
::SET FILESU FFI X=% date:~10,4%% date:~7,2%%date:~4,2%-% time:~0,2%%time:~3,2%%time:~6,2%
::SET FILESU FFIX=jobid
SET LOGFIL E=C :\s upp ort \lo gs \rob oco py- %FI LES UFF IX%.log
:: Common parame ters: /L,/V, /B, /MIR, /MT:# - add/remove as required
:: Remove /L to perform copy
SET MAIN_O PTI ONS =/C OPYALL /L /E /R:1 /W:1 /FP /V /NP
SET FILE_O PTI ONS=/XD " REC YCL ER" " System Volume Inform ati on" /
:: Default is to append to log file " +"
:: /TEE is not require if running as scheduled task
SET LOG_OP TIO NS=/TEE /LOG+: " %LO GFI LE% "
roboco py.exe " %SD IR% " " %DD IR% " %MAIN_ OPT IONS% %FILE_ OPT IONS% %LOG_O PTIONS%
```

Expanded Batch Version

```
@echo off
:: After completing job, uncomment the following 2 lines so the script cannot be run accide ntally
:: echo Script has been actioned, remove /co mment 'exit command' if you really want to run
:: exit /b
:: Data migration - <JO BID>
:: Source
:: * S:\Sou rce \pa th \to \dir ectory
:: * \\SOUR CES ERV ER> \Us ers $\u sername
:: * \\SOUR CES ERV ER> \sh are \pa th \to \loc ation
:: Destin ation
:: * D:\Des tin ati on \pat h\t o\d ire ctory
:: * \\DEST INA TIO NSE RVE R\U ser s$ \use rname
:: * \\DEST INA TIO NSE RVE R\s har e\p ath \to \lo cation
SET JOB=JOBID
:: change from " lis ton ly" to run robocopy command
SET TYPE=l istonly
::SET TYPE=run
:: Either host could be %compu ter name% for more flexib ility
SET SHOST= SER VERNAME
SET DHOST= SER VERNAME
:: SET ISOFOR MAT =time || SET ISOFOR MAT =date
```

By PeterCeeAU

cheatography.com/peterceeau/

Published 10th July, 2022.
Last updated 16th April, 2018.
Page 2 of 3.

Sponsored by ApolloPad.com
Everyone has a novel in them. Finish Yours!
https://apollopad.com

Expanded Batch Version (cont)

```
> SET ISOFORMAT=date
if %ISOFORMAT%==date (
  SET FILESTAMP=%date:~10,4%%date:~7,2%%date:~4,2%
else (
  SET FILESTAMP=%date:~10,4%%date:~7,2%%date:~4,2%-%time:~0,2%%time:~3,2%%time:~6,2%
)
:: If migrating user home folder set USER and then generate directories.
:: Otherwise can simply use static UNC or absolute paths
SET USER=FirstName.LastName
SET SDIR=\\%SHOST%\Users$\%USER%\<SRC FOLDER>
SET DDIR=\\%DHOST%\Users$\%USER%\<DST FOLDER>
:: Change drive letter as required
::SET SDIR=\\%SHOST%\d$\<SRC FOLDER>
::SET DDIR=\\%DHOST%\d$\<DST FOLDER>
:: Note: /L is used for testing, and log filename will be appended with "-test"
:: LOGDIR must exist, change as appropriate
SET LOGDIR=C:\support\logs
if %TYPE%==listonly (
  SET LOGFILE=%JOB%-%FILESTAMP%-test.log
  SET LOGONLY=/L
) ELSE (
  SET LOGFILE=%JOB%-%FILESTAMP%.log
  SET LOGONLY=
)
:: Robocopy options - for a single folder
:: Common parameters: /L,/V,/B,/MIR, /MT:# - add/remove as required
SET MAIN_OPTIONS=/COPYALL %LOGONLY% /E /R:1 /W:1 /FP /V /NP
SET FILE_OPTIONS=/XD "RECYCLER" "System Volume Information" /XF ~.* thumbs.db desktop.ini
:: Default is to append to log file "+"
:: /TEE is not require if running as scheduled task
SET LOG_OPTIONS=/TEE /LOG+:"%LOGDIR%\%LOGFILE%"
robocopy.exe "%SDIR%" "%DDIR%" %MAIN_OPTIONS% %FILE_OPTIONS% %LOG_OPTIONS%
```