

NAME

runpar.sh – Parallel Processing Shell Script

SYNOPSIS

runpar.sh [options] [--] [files]

DESCRIPTION

runpar.sh is a shell script that executes commands in parallel, but their number is limited to an adjustable value.

With one CPU runpar.sh can be used to spread the load. If multiple CPUs are available, processes can be executed in parallel.

OPTIONS

- c <command>
Command to execute in parallel; needs files to process.
- C <file>
Use command file with one complete command per line.
- d <delay>
Delay between checks for terminated processes (default 0.1 [seconds]).
- D <delay>
Additional delay between max_proc processes (format: digits[smhd]).
- f <file>
Specify file containing filenames to process (needs -c).
- h
Display this message.
- l <file>
Set the name log file (default: LOGFILE.runpar.sh.<PID>).
- L <limit>
Runtime limit (seconds), default is 0 (no runtime check); processes running longer then <limit> will be logged.
- p <max_proc>
Start the specified number of processes. Ignore the number of CPUs.
- v
Display a simple progress indicator.

EXAMPLES

Generate Postscript files from all PDF files:

runpar.sh -c pdf2ps *.pdf

Generate Postscript files from all PDF files:

ls *.pdf | runpar.sh -c pdf2ps

Generate Postscript files from all PDF files; allow 4 parallel processes:

ls *.pdf | runpar.sh -p 4 -c pdf2ps

Generate Postscript files from all PDF files; allow 4 parallel processes; display progress indicator; log processes running longer then 10 seconds; process files listed in 'files.list' :

runpar.sh -c epspdf -p 4 -v -L 10 -f files.list

Run all commands from file commands.list :

runpar.sh -C commands.list

EXIT STATUS

- 0 success
- 1 unknown option
- 2 command not found or not executable

- 3 no command given
- 4 missing command line option(s)

OPTIONS

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SEE ALSO

xargs(1)