

Overview

GNU parallel is a shell tool for executing jobs in parallel using one or more computers.

It's a great replacement for xargs or find and can do amazing things.

🌐 http://www.gnu.org/software/parallel/parallel_tutorial.html

🌐 <http://www.gnu.org/software/parallel/man.html>

This is just a sheet of quick example commands and a concise reference.

Example Commands

Compress all *.html files in parallel

```
par allel gzip --best ::: *.html
```

Convert (via lame) all *.wav files to *.mp3

```
par allel lame {} -o {}.mp3 ::: *.wav
```

Delete pict{0..9999}.jpg files in parallel

```
seq -w 0 9999 | parallel rm pict{}.jp g # Runs rm 10,000 Times
```

```
seq -w 0 9999 | parallel -X rm pict{}.jp g # Runs rm minimal time
```

s

Command Synopsis

parallel [options] [command [arguments]] < list_of_arguments

parallel [options] [command [arguments]] (::: arguments | ::: argfile(s)) ...

parallel --semaphore [options] command

#!/usr/bin/parallel --shebang [options] [command [arguments]]

Input Lines

{ } Unaltered input line (foo/bar.jpg)

{ . } Remove extension: foo/bar

{ / } Basename: bar.jpg

{ // } Dirname: foo/

{ /. } Basename w/o ext: bar

{ # } Sequence Number of Job

{ % } Job Slot Number

{ n } Argument from input source n or the n'th argument.

{ n. } Combo of { n } and { . }.

{ n/ }, { n// }, { n/. } Other Combo's Available

{ =perl expres sion= } \$_ with = {}, \$_ is output after eval.



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Published 26th February, 2019.
Last updated 12th May, 2016.
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