

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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