

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

```
parallel gzip --best ::: *.html
```

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

```
parallel lame {} -o {}.mp3 ::: *.wav
```

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

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

```
seq -w 0 9999 | parallel -X rm pict{}.jpg # Runs rm
minimal times
```

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//},

Other Combo's Available

{n/.}

{=perl

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

expression=}



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