

parallel

Run commands on multiple CPU cores.

- Gzip several files at once, using all cores:

```
parallel gzip ::: {{file1}} {{file2}} {{file3}}
```

- Read arguments from stdin, run 4 jobs at once:

```
ls *.txt | parallel -j4 gzip
```

- Convert JPG images to PNG using replacement strings:

```
parallel convert {} {}.png ::: *.jpg
```

- Parallel xargs, cram as many args as possible onto one command:

```
{{args}} | parallel -X {{command}}
```

- Break stdin into ~1M blocks, feed each block to stdin of new command:

```
cat {{big_file.txt}} | parallel --pipe --block 1M {{command}}
```

- Run on multiple machines via SSH:

```
parallel -S {{machine1}},{{machine2}} {{command}} ::: {{arg1}} {{arg2}}
```