

Taskwarrior / Timewarrior

Davis Claiborne

NCSU LUG

November 28, 2018



Linux Users Group
at NC State University

Introduction

Taskwarrrior is a command-line todo list tool

You can add tasks via the command-line:

```
task add "Description" metadata
```

ID	Active	Age	Tag	Recur	Due	Until	Description	Urg
20	1h	3d	LUG		2d		LUG - Create taskwarrrior presentation	11.9
22		2min	PY208 due homework school		1d		PY 208 - Ch. 23 HW1	8.33
23		2min	PY208 due homework school		1d		PY 208 - Ch. 23 HW2	8.33
18		4d	ECE200 due homework school	P7D	1d	2w	ECE 200 - Pre lab	7.89
19		3d	LUG	P7D	2d	2w	LUG - Send out weekly email	7.43
24		1min	PY208 due homework school		3d		PY 208 - Ch. 23 HW3	7.41
25		1min	PY208 due homework school		3d		PY 208 - Ch. 23 HW4	7.41
26		1min	PY208 due homework school		5d		PY 208 - Ch. 23 HW5	6.8
13		3w	personal	P30D	6d		Sync passwords	5.83
21		3min	ECE209 homework school		P7D	6d	ECE 209 - Add weekly reading	5.8
14		3w	computer personal		P30D	7d	Run backup	5.58
16		12d	LUG		P14D	7d	2w LUG - Send out dinner poll	5.14
15		2w	ECE212 due homework school		9d		ECE 212 - e-Homework 3	4.67
8		12w	ECE200 due homework school		9d		ECE 200 - HW10	4.67
17		6d	ECE209 due homework school		11d		ECE 209 - Program 4	3.76
1		1.2y	linux personal				Find light colorscheme for terminal 2018-02-18 https://unix.stackexchange.com/questions/232881	0
4		9mo	linux personal				Figure out how hibernating works	0
5		9mo	linux personal				Use ranger as file saving dialog	0

Task Metadata

Tasks can have metadata, such as:

- Due date (`due:date`)
- Tags (`+tag1,tag1`)
- Project (`project:Name`)
- Recur (`recur:frequency`)
- Until (`until:date`)
- Depends (`depends:id1,id2`)

Filtering Tasks

Filter by tags: `task +filter1`

Filter with logical operators: `task +filter1 xor +filter2`

Filter for without tags: `task -filter1`

Filter with regex: `task "/pattern/"`

Count number of matches: `task <filter> count`

Modifying Tasks

```
task <id> modify metadata:details
```

```
task <filter> modify:details
```

Modify all of the task's with \$EDITOR: `task <id> edit`

Reports and Stats

See how you made progress on tasks due this month:

```
task '(status:completed or status:pending) and  
due.after:2018-11-01 and due.before:today'  
burndown.daily
```

See how good you are at following through on tasks:

```
task ghistory
```

Introduction

Timewarrrior is a command-line time tracking tool

Stand-alone tool that integrates with Taskwarrrior via hooks

Like Taskwarrrior, Timewarrrior uses tags



Figure: Example Timewarrrior output

Standalone usage

Start tracking: `timew track 'tag1' 'tag2'`

Stop tracking: `timew stop 'tag1' 'tag2'`

Taskwarrior usage

Start tracking: `task <num> start`

Pause tracking: `task <num> stop`

Finish tracking: `task <num> done`

Tags are handled by the Taskwarrior hook

Reports and Stats

Find out how much time you spend on specific tags:

```
timew totals <tag>
```

In the last week:

```
timew totals :week <tag>
```

Or an easy to read summarized version:

```
timew summary :week
```

References

- [1] Taskwarrior <https://taskwarrior.org/>
- [2] Timewarrior
<https://taskwarrior.org/docs/timewarrior/>