Taskwarrior – What's next?

Task management on the commandline

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That's all

Dirk Deimeke (that's me)

- Maried, two dogs
- Born in Wanne-Eickel
- Living in Grüt (2008 emigrated to Switzerland)
- Senior Unix Systems Administrator in Zürich
- More `http://d5e.org/`

Dirk Deimeke (Ubuntu)

- President of German Ubuntu association ubuntu Deutschland e. V.
- Official point of contact for the German LoCo-Team
- Member of Swiss LoCo-Team
- Ubuntu Member
- More `http://d5e.org/ubuntu` (German) or `https://wiki.ubuntu.com/DirkDeimeke` (English)

Dirk Deimeke (Taskwarrior)

- I first saw Taskwarrior at Ubucon 2009 in a lightning talk of Federico Hernandez, one of the core developpers.
- Started to use it in the beginning of 2010.
- Still enthusiastic about it! ;-)
- In the middle of 2010 I joined the Taskwarrior Core Team
- I like working in an international team (Watertown (Massachusetts, USA), Gothenburg (West Gothland, Sweden), Braunschweig, (Lower Saxony, Germany), Richmond (Virginia, USA), Bonn (North Rhine-Westphalia, Germany), Toronto (Ontario, Canada), Gruet (Zurich, Switzerland))
- `http://taskwarrior.org/`
- `http://d5e.org/taskwarrior` (German) own blog-articles about Taskwarrior

About this session

- **What is this all about?**
  This is about Taskwarrior, an efficient tool for task management. Techniques for time management are not part of this session.
- **Why are the slides in English?**
  Taskwarrior is an international project.
- **Why do you use the beta-Version?**
  With Taskwarrior 2.0.0 a new syntax will be introduced.

Attention!

- This workshop is not a lecture, I want to do this together with you.
- Ask your questions if you have some!

Reasons for Taskwarrior

Taskwarrior

- is easy to learn.
- grows along with the work.
- is unbelievably powerful.
- is very fast.
- is easily extensible.
- is platform independent:
  - Most flavours of Unix and Linux, including Mac OS X and Ubuntu (PPA exists)
  - Windows with Cygwin
  - via SSH from my mobile
  - http://taskwarrior.org/w/Platforms
- is actively developed.
- can be influenced by users (feature requests).
- has excellent and very friendly support.

Installation with package management

All download-addresses

http://taskwarrior.org/download

Since Maverick Meerkat in Universe

(Unfortunately version is behind recent)

```
$ sudo apt-get install task
```

There is a PPA with the most recent version

https://launchpad.net/~ultrafredde/+archive/ppa

```
$ sudo add-apt-repository ppa:ultrafredde/ppa
$ sudo apt-get update
$ sudo apt-get install task
```

Installation from source

The Meta-Package `build-essential` and `cmake` are all you need to compile.

```
$ sudo apt-get install build-essential cmake
```

Download of recent version

```
$ curl -O http://www.taskwarrior.org/download/task-2.0.0.beta3.tar.gz
$ # or wget http://www.taskwarrior.org/download/task-2.0.0.beta3.tar.gz
```

Untar and compile

```
$ tar task-2.0.0.beta3.tar.gz
$ cd task-2.0.0.beta3
$ cmake .
$ make
$ sudo make install
```

The last command installs Taskwarrior to /usr/local.

Installation from source with target directory

If you don't have root permissions or in case you want to use other directories, this is possible as well.
(No speciality of Taskwarrior).

```
$ cmake -DCMAKE_INSTALL_PREFIX=/home/dirk/task-2.0.0.beta3 .
$ make
$ make install # without "sudo"
```

It makes sense to define the following three variables for the next steps.
(The first one is not needed, I use it only for this topic to fit on one slide).

```
$ taskdir=/home/dirk/task_2.0.0.beta3
$ export PATH=${taskdir}/bin:${PATH}
$ export LD_LIBRARY_PATH=${taskdir}/lib:${LD_LIBRARY_PATH}
$ export MANPATH=${taskdir}/man:${MANPATH}
```

Test of your installation

```
$ task version
A configuration file could not be found in /home/user

Would you like a sample /home/user/.taskrc created, so taskwarrior can proceed? (y/n) y

task 2.0.0.beta3 built for linux
Copyright (C) 2006 - 2011 P. Beckingham, F. Hernandez.

Taskwarrior may be copied only under the terms of the GNU General Public License, which may
in the taskwarrior source kit.

Documentation for taskwarrior can be found using 'man task', 'man taskrc', 'man task-tutorial
task-color', 'man task-sync', 'man task-faq' or at http://taskwarrior.org
```

Remove Taskwarrior

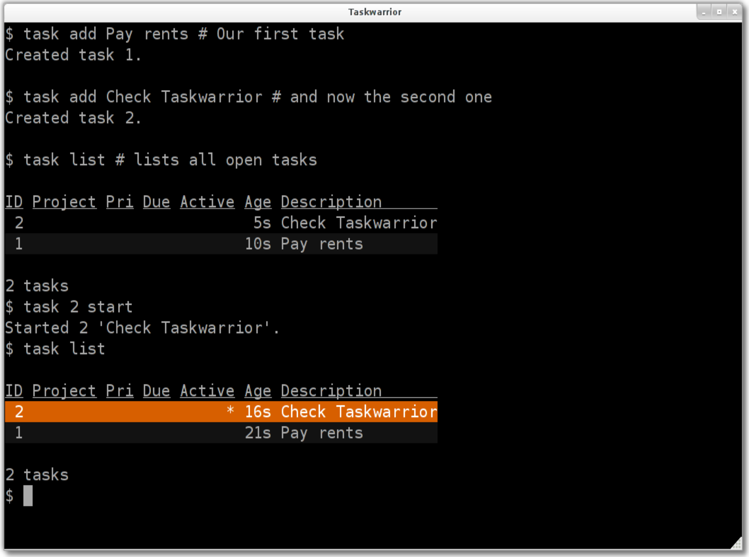
Package manager

```
$ apt—get purge task
```

Sources

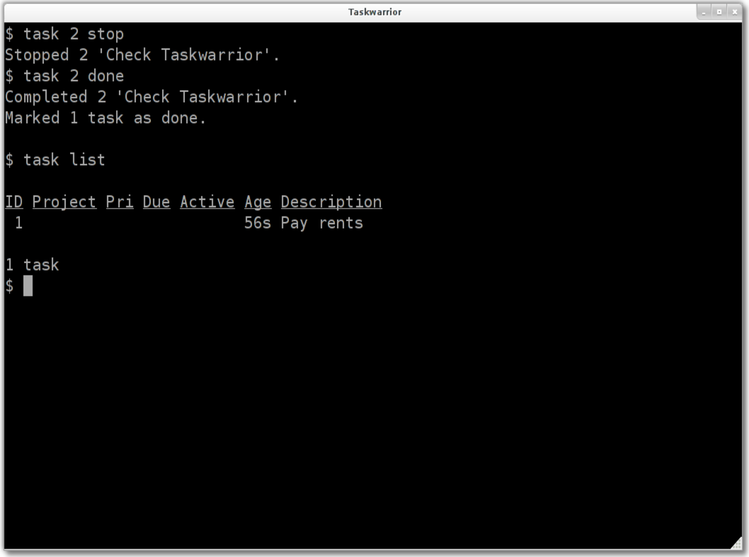
```
$ make uninstall
```

A simple example, part 1



```
$ task add Pay rents # Our first task
Created task 1.

$ task add Check Taskwarrior # and now the second one
Created task 2.

$ task list # lists all open tasks

ID Project Pri Due Active Age Description
 2                         5s Check Taskwarrior
 1                        10s Pay rents

2 tasks
$ task 2 start
Started 2 'Check Taskwarrior'.
$ task list

ID Project Pri Due Active Age Description
 2                      * 16s Check Taskwarrior
 1                        21s Pay rents

2 tasks
$
```

A simple example, part 2

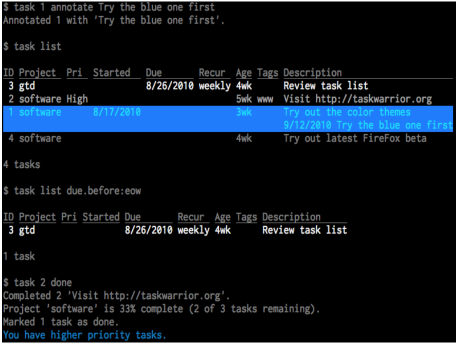


```
$ task 2 stop
Stopped 2 'Check Taskwarrior'.
$ task 2 done
Completed 2 'Check Taskwarrior'.
Marked 1 task as done.

$ task list

ID Project Pri Due Active Age Description
 1                        56s Pay rents

1 task
$ 
```

Commands so far

- **task add**
  Adds a new task to the task list.
- **task list**
  Provides a standard listing of tasks.
- **task start**
  Marks the specified tasks as started.
- **task stop**
  Removes the start time from the specified task.
- **task done**
  Marks the specified task as done.

That's it!



```
$ task 1 annotate Try the blue one first
Annotated 1 with 'Try the blue one first'.

$ task list

ID Project  Pri  Started   Due       Recur  Age Tags Description
 3 gtd                     8/26/2010 weekly 4wk      Review task list
 2 software High                            5wk www  Visit http://taskwarrior.org
 1 software      8/17/2010                  3wk      Try out the color themes
                                                     9/12/2010 Try the blue one first
 4 software                                 4wk      Try out latest FireFox beta

4 tasks

$ task list due.before:eow

ID Project Pri Started Due       Recur  Age Tags Description
 3 gtd                 8/26/2010 weekly 4wk      Review task list

1 task

$ task 2 done
Completed 2 'Visit http://taskwarrior.org'.
Project 'software' is 33% complete (2 of 3 tasks remaining).
Marked 1 task as done.
You have higher priority tasks.
```

Thanks for your attention!

dirk@deimeke.net

http://taskwarrior.org/

Just kidding ...

There is a lot more to explore.

Even the commands from the last section are more mighty than they seem.

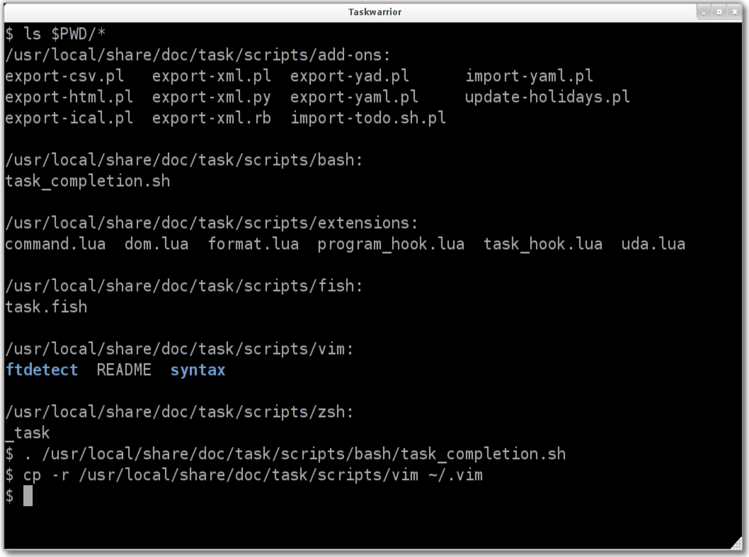
- **task add <mods>**
- **task <filter> list**
- **task <filter> start <mods>**
- **task <filter> stop <mods>**
- **task <filter> done <mods>**

To get an overview, take a look at the cheat sheet (pdf, 145kB).

task <filter> command <mods>

- Is the basic usage of all task related write commands.
- Write commands can operate on one task or a group of tasks or even on all tasks.
- Every command maybe abbreviated up to the minimum that is necessary to identify a single command.
- Filters can be anything from nothing to simple IDs further to regular expressions or Boolean constructs.
- Modifications can be either a change of description, a change of dates or anything else that changes a task.
- In our simple example we already used the write commands **add**, **done**, **start** and **stop**.

Scripts



```
$ ls $PWD/*
/usr/local/share/doc/task/scripts/add-ons:
export-csv.pl   export-xml.pl  export-yad.pl      import-yaml.pl
export-html.pl  export-xml.py  export-yaml.pl     update-holidays.pl
export-ical.pl  export-xml.rb  import-todo.sh.pl

/usr/local/share/doc/task/scripts/bash:
task_completion.sh

/usr/local/share/doc/task/scripts/extensions:
command.lua  dom.lua  format.lua  program_hook.lua  task_hook.lua  uda.lua

/usr/local/share/doc/task/scripts/fish:
task.fish

/usr/local/share/doc/task/scripts/vim:
ftdetect  README  syntax

/usr/local/share/doc/task/scripts/zsh:
_task
$ . /usr/local/share/doc/task/scripts/bash/task_completion.sh
$ cp -r /usr/local/share/doc/task/scripts/vim ~/.vim
$ 
```

Most important commands

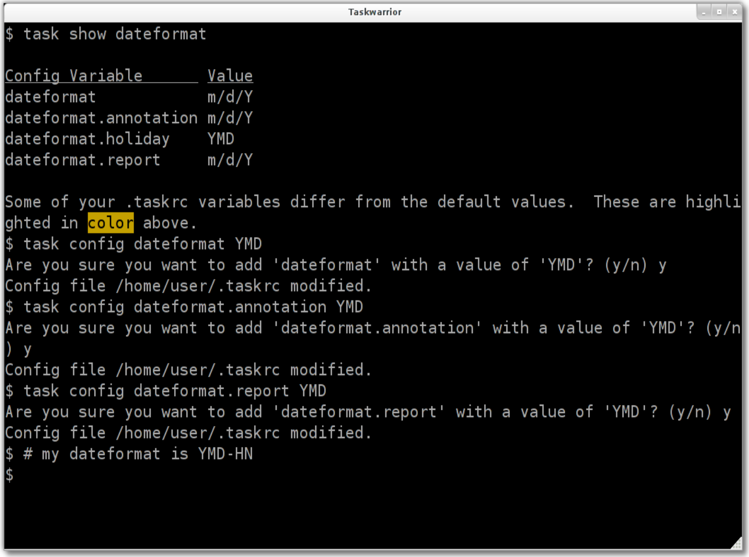
These are the most important commands, just because I use them most ;-)

- **task <filter> modify**
  The name says it, it modifies tasks according to the filter used.
- **task <filter> edit**
  This starts your favourite editor with the tasks you want to change. (Remember the syntax highlighting for vim?)
- **task undo**
  Reverts the most recent change to a task.
- **task help**
  Gives an overview of implemented commands and custom reports.
- **man task (taskrc, task-tutorial, task-color, task-faq, task-synch)**
  Show the (almighty) man-page(s). Unlike the man-pages of many other programs they are extremely helpful and full of information and examples. Try them!

Dateformats – from 'man taskrc'

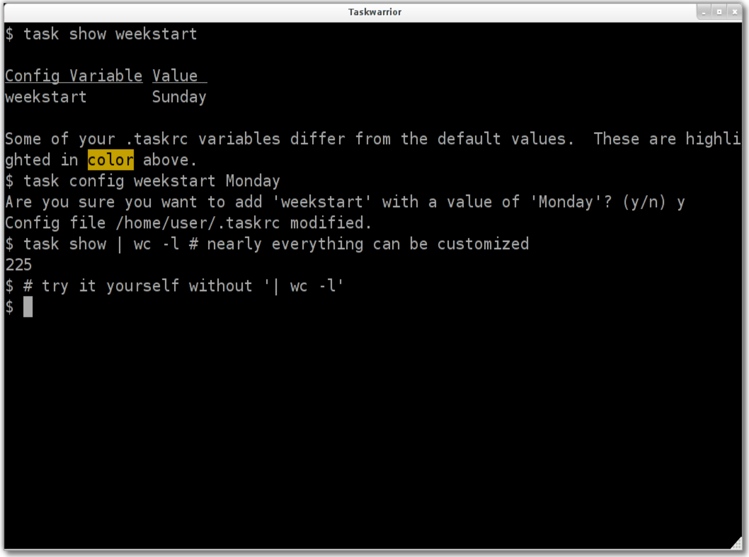
```
m  minimal-digit month,    for example 1 or 12
d  minimal-digit day,      for example 1 or 30
y  two-digit year,         for example 09
D  two-digit day,          for example 01 or 30
M  two-digit month,        for example 01 or 12
Y  four-digit year,        for example 2009
a  short name of weekday,  for example Mon or Wed
A  long name of weekday,   for example Monday or Wednesday
b  short name of month,    for example Jan or Aug
B  long name of month,     for example January or August
V  weeknumber,             for example 03 or 37
H  two-digit hour,         for example 03 or 11
N  two-digit minutes,      for example 05 or 42
S  two-digit seconds,      for example 07 or 47

 The  string may also contain other characters to act as spacers,
 or formatting.  Examples for other values of dateformat:

d/m/Y  would use for input and output 24/7/2009
yMD    would use for input and output 090724
M-D-Y  would use for input and output 07-24-2009

 Examples for other values of dateformat.report:

a D b Y (V)   would do an output as "Fri 24 Jul 2009 (30)"
A, B D, Y     would do an  output  as  "Friday,  July  24, 2009"
vV a Y-M-D    would do an output as "v30 Fri 2009-07-24"
yMD.HN        would do an output as "110124.2342"
m/d/Y H:N     would do an output as "1/24/2011 10:42"
a  D  b  Y  H:N:S would do and output as "Mon 24 Jan 2011 11:19:42"
```

Set dateformat



```
$ task show dateformat

Config Variable          Value
dateformat               m/d/Y
dateformat.annotation    m/d/Y
dateformat.holiday       YMD
dateformat.report        m/d/Y

Some of your .taskrc variables differ from the default values.  These are highli
ghted in color above.
$ task config dateformat YMD
Are you sure you want to add 'dateformat' with a value of 'YMD'? (y/n) y
Config file /home/user/.taskrc modified.
$ task config dateformat.annotation YMD
Are you sure you want to add 'dateformat.annotation' with a value of 'YMD'? (y/n
) y
Config file /home/user/.taskrc modified.
$ task config dateformat.report YMD
Are you sure you want to add 'dateformat.report' with a value of 'YMD'? (y/n) y
Config file /home/user/.taskrc modified.
$ # my dateformat is YMD-HN
$
```

Set weekstart



```
$ task show weekstart

Config Variable Value
weekstart       Sunday

Some of your .taskrc variables differ from the default values.  These are highli
ghted in color above.
$ task config weekstart Monday
Are you sure you want to add 'weekstart' with a value of 'Monday'? (y/n) y
Config file /home/user/.taskrc modified.
$ task show | wc -l # nearly everything can be customized
225
$ # try it yourself without '| wc -l'
$ 
```

Special dates (1)

- **Relative wording**
  task ... due:today
  task ... due:yesterday
  task ... due:tomorrow
- **Day number with ordinal**
  task ... due:23rd
  task ... due:3wks
  task ... due:1day
  task ... due:9hrs
- **At some point or later**
  task ... wait:later task ... wait:someday This sets the wait date to 1/18/2038.

Special dates (2)

- **Start / end of (work) week, calendar week (according to settings of weekstart), month, quarter and year**

  task ... due:sow

  task ... due:eow

  task ... due:soww

  task ... due:eoww

  task ... due:socw

  task ... due:eocw

  task ... due:som

  task ... due:eom

  task ... due:soq

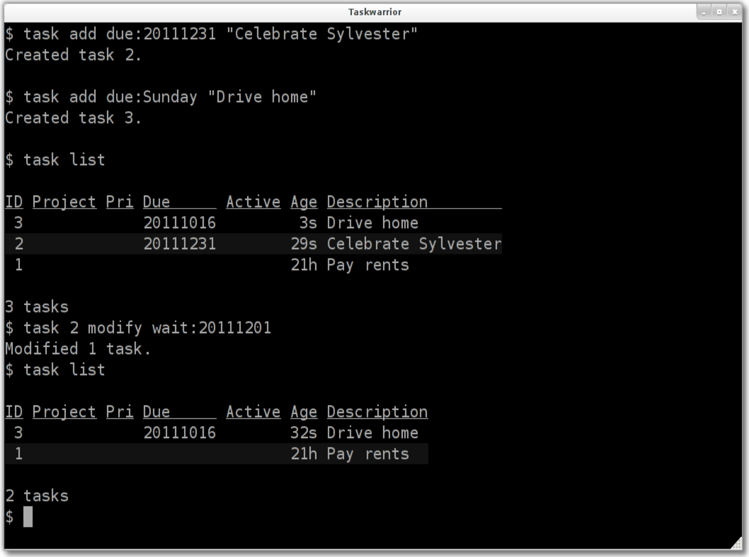
  task ... due:eoq

  task ... due:soy

  task ... due:eoy
- **Next occurring weekday**

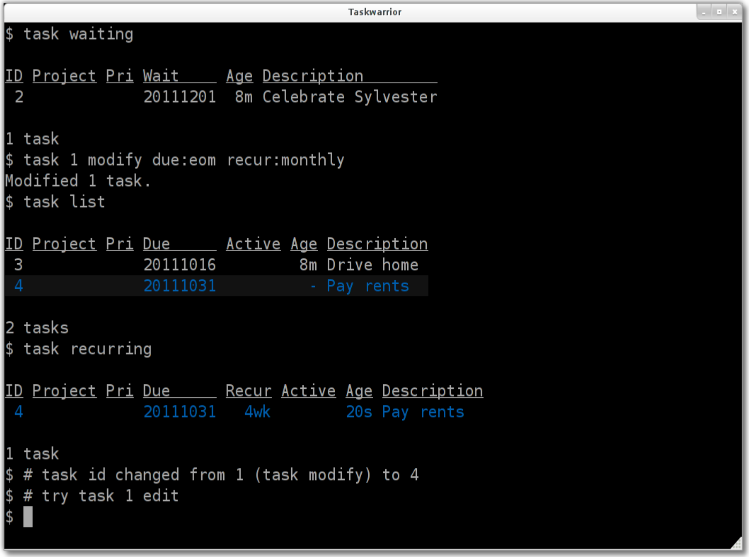
  task ... due:fri

Due and wait



```
$ task add due:20111231 "Celebrate Sylvester"
Created task 2.

$ task add due:Sunday "Drive home"
Created task 3.

$ task list

ID Project Pri Due      Active Age Description
 3             20111016          3s Drive home
 2             20111231        29s Celebrate Sylvester
 1                             21h Pay rents

3 tasks
$ task 2 modify wait:20111201
Modified 1 task.
$ task list

ID Project Pri Due      Active Age Description
 3             20111016        32s Drive home
 1                             21h Pay rents

2 tasks
$
```

Recurrence



```
$ task waiting

ID Project Pri Wait     Age Description
 2             20111201  8m Celebrate Sylvester

1 task
$ task 1 modify due:eom recur:monthly
Modified 1 task.
$ task list

ID Project Pri Due      Active Age Description
 3             20111016          8m Drive home
 4             20111031           - Pay rents

2 tasks
$ task recurring

ID Project Pri Due      Recur Active Age Description
 4             20111031   4wk          20s Pay rents

1 task
$ # task id changed from 1 (task modify) to 4
$ # try task 1 edit
$
```

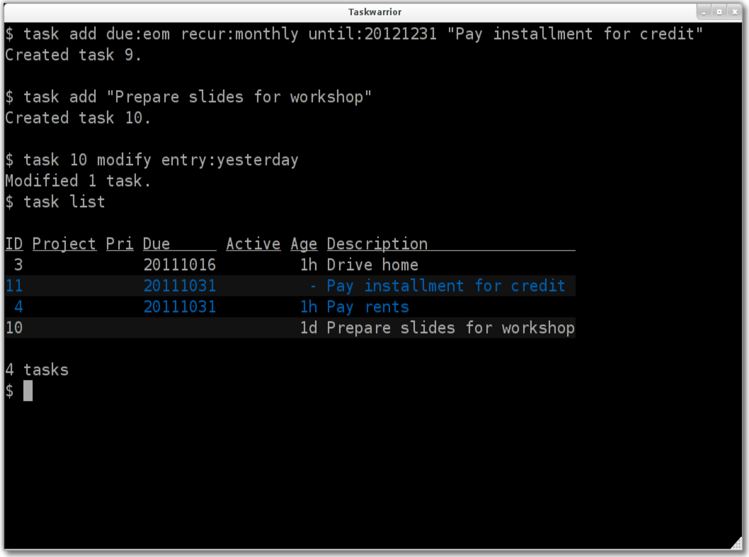
Recurrence modifiers (1)

- **hourly**
  Every hour.
- **daily, day, 1da, 2da, ...**
  Every day or a number of days.
- **weekdays**
  Mondays, Tuesdays, Wednesdays, Thursdays, Fridays and skipping weekend days.
- **weekly, 1wk, 2wks, ...**
  Every week or a number of weeks.
- **biweekly, fortnight**
  Every two weeks.
- **monthly**
  Every month.
- **quarterly, 1qtr, 2qtrs, ...**
  Every three months, a quarter, or a number of quarters.

Recurrence modifiers (2)

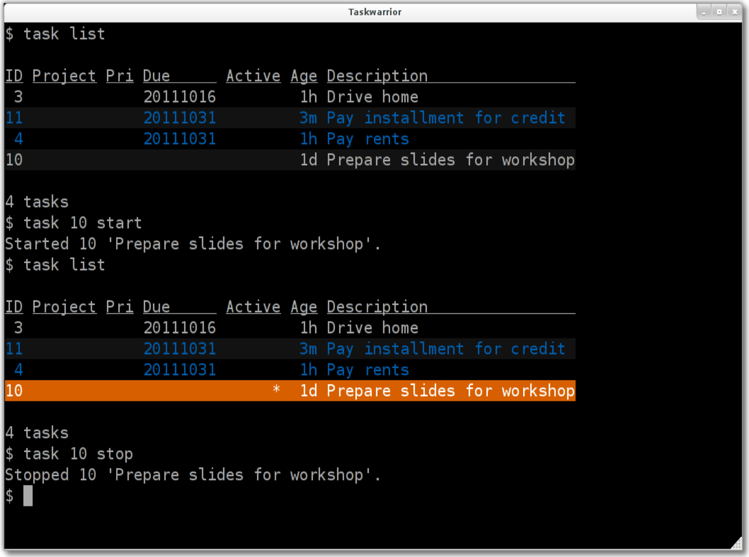
- **semiannual**
  Every six months.
- **annual, yearly, 1yr, 2yrs, ...**
  Every year or a number of years.
- **biannual, biyearly, 2yr**
  Every two years.

Until and entry



```
$ task add due:eom recur:monthly until:20121231 "Pay installment for credit"
Created task 9.

$ task add "Prepare slides for workshop"
Created task 10.

$ task 10 modify entry:yesterday
Modified 1 task.
$ task list

ID Project Pri Due      Active Age Description
 3             20111016         1h Drive home
11             20111031          - Pay installment for credit
 4             20111031         1h Pay rents
10                              1d Prepare slides for workshop

4 tasks
$
```

Starting and stopping



```
$ task list

ID Project Pri Due      Active Age Description
 3             20111016         1h Drive home
11             20111031         3m Pay installment for credit
 4             20111031         1h Pay rents
10                              1d Prepare slides for workshop

4 tasks
$ task 10 start
Started 10 'Prepare slides for workshop'.
$ task list

ID Project Pri Due      Active Age Description
 3             20111016         1h Drive home
11             20111031         3m Pay installment for credit
 4             20111031         1h Pay rents
10                           *  1d Prepare slides for workshop

4 tasks
$ task 10 stop
Stopped 10 'Prepare slides for workshop'.
$ 
```

Holiday

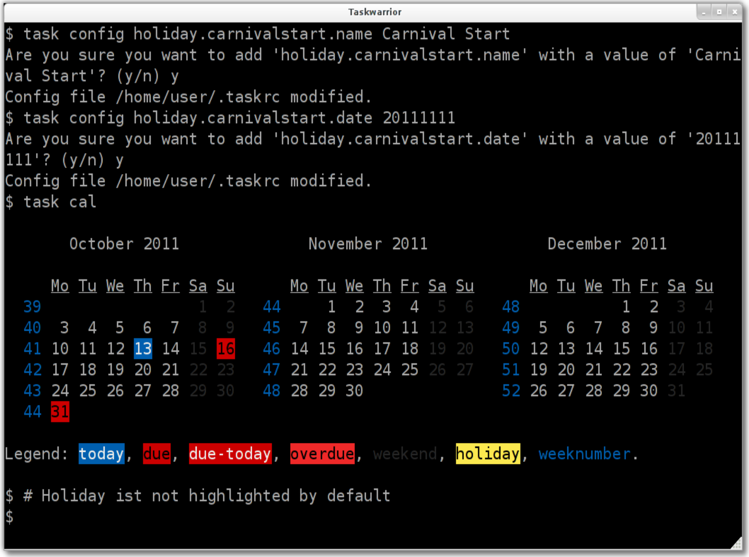
Attention!

Holiday has nothing in common with the German words “Ferien“ or “Urlaub“ (this would be vacation). (Public) Holiday means “Feiertag“.

You can add holidays by either adding them via “task config“ on the commandline or by adding them directly to the /.taskrc-File or by including an external holiday definition.

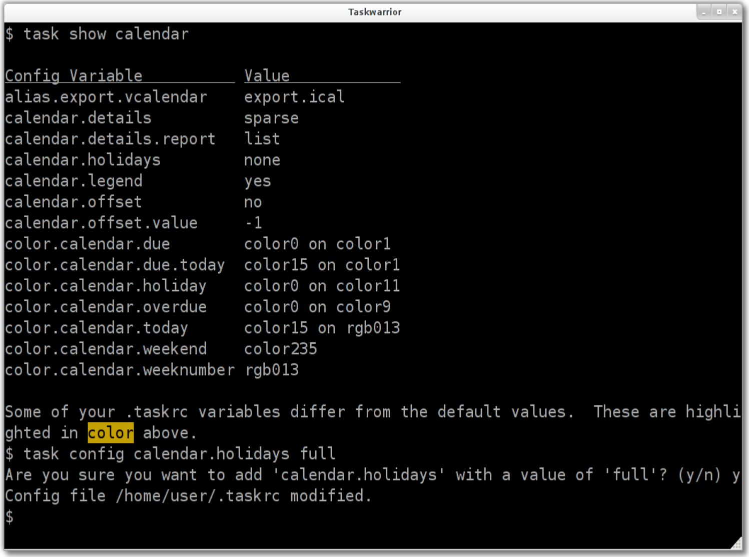
On holidata.net you find a growing list of holiday dates, licensed CC-BY and offered by volunteers. Service was introduced by the Taskwarrior team, who is responsible for hosting and conversion to different formats.

Add holiday



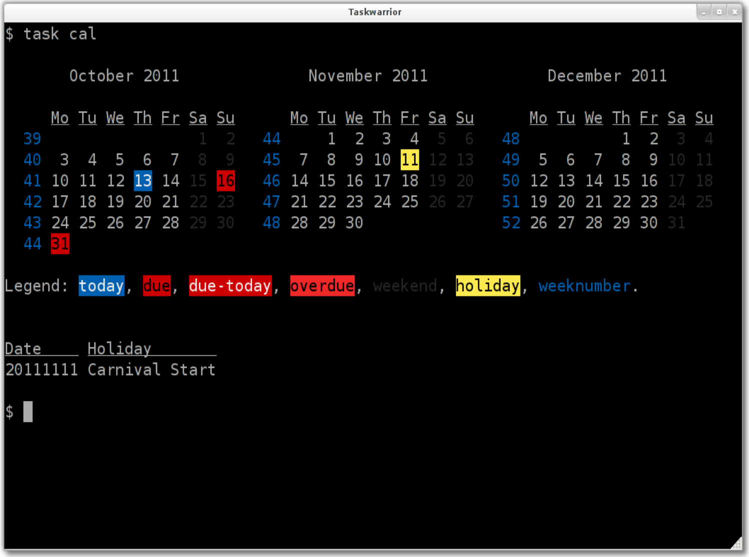
```
$ task config holiday.carnivalstart.name Carnival Start
Are you sure you want to add 'holiday.carnivalstart.name' with a value of 'Carni
val Start'? (y/n) y
Config file /home/user/.taskrc modified.
$ task config holiday.carnivalstart.date 20111111
Are you sure you want to add 'holiday.carnivalstart.date' with a value of '20111
111'? (y/n) y
Config file /home/user/.taskrc modified.
$ task cal

       October 2011                November 2011                December 2011

      Mo Tu We Th Fr Sa Su       Mo Tu We Th Fr Sa Su       Mo Tu We Th Fr Sa Su
   39                  1  2   44     1  2  3  4  5  6   48              1  2  3  4
   40  3  4  5  6  7  8  9   45  7  8  9 10 11 12 13   49  5  6  7  8  9 10 11
   41 10 11 12 13 14 15 16   46 14 15 16 17 18 19 20   50 12 13 14 15 16 17 18
   42 17 18 19 20 21 22 23   47 21 22 23 24 25 26 27   51 19 20 21 22 23 24 25
   43 24 25 26 27 28 29 30   48 28 29 30               52 26 27 28 29 30 31
   44 31

Legend: today, due, due-today, overdue, weekend, holiday, weeknumber.

$ # Holiday ist not highlighted by default
$
```

Calendar config with holiday



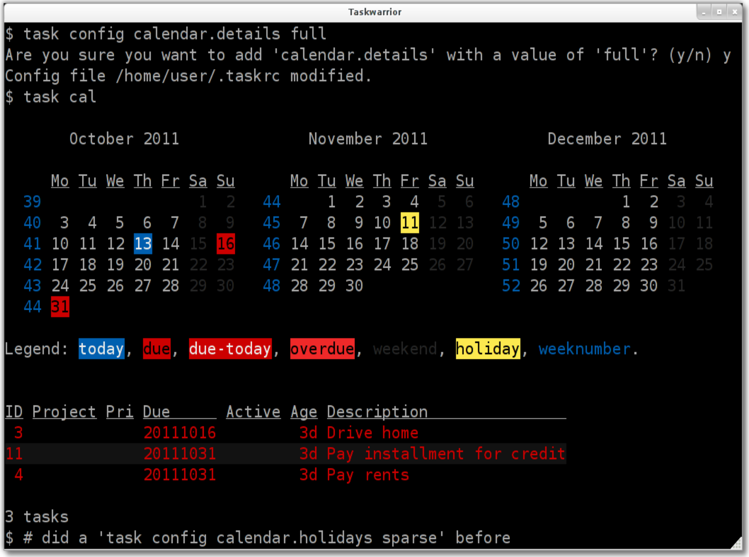
```
$ task show calendar

Config Variable           Value
alias.export.vcalendar    export.ical
calendar.details          sparse
calendar.details.report   list
calendar.holidays         none
calendar.legend           yes
calendar.offset           no
calendar.offset.value     -1
color.calendar.due        color0 on color1
color.calendar.due.today  color15 on color1
color.calendar.holiday    color0 on color11
color.calendar.overdue    color0 on color9
color.calendar.today      color15 on rgb013
color.calendar.weekend    color235
color.calendar.weeknumber rgb013

Some of your .taskrc variables differ from the default values.  These are highli
ghted in color above.
$ task config calendar.holidays full
Are you sure you want to add 'calendar.holidays' with a value of 'full'? (y/n) y
Config file /home/user/.taskrc modified.
$
```

Calendar with holiday



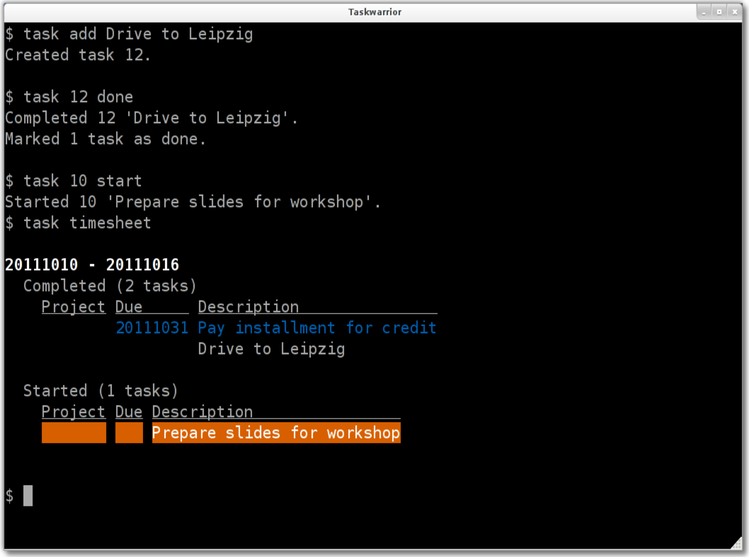
```
$ task cal

      October 2011              November 2011              December 2011

    Mo Tu We Th Fr Sa Su      Mo Tu We Th Fr Sa Su      Mo Tu We Th Fr Sa Su
 39                    1  2  44     1  2  3  4  5  6  48           1  2  3  4
 40  3  4  5  6  7  8  9  45  7  8  9 10 11 12 13  49  5  6  7  8  9 10 11
 41 10 11 12 13 14 15 16  46 14 15 16 17 18 19 20  50 12 13 14 15 16 17 18
 42 17 18 19 20 21 22 23  47 21 22 23 24 25 26 27  51 19 20 21 22 23 24 25
 43 24 25 26 27 28 29 30  48 28 29 30              52 26 27 28 29 30 31
 44 31

Legend: today, due, due-today, overdue, weekend, holiday, weeknumber.


Date     Holiday
20111111 Carnival Start

$
```

Calendar with due tasks



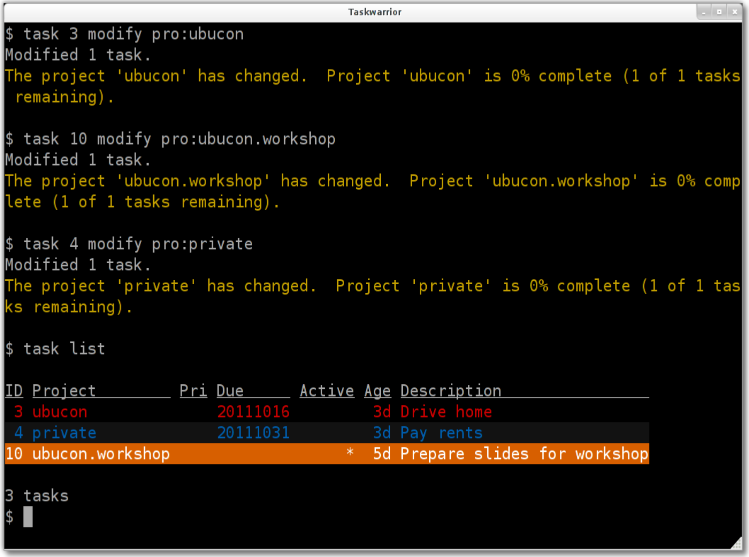
```
$ task config calendar.details full
Are you sure you want to add 'calendar.details' with a value of 'full'? (y/n) y
Config file /home/user/.taskrc modified.
$ task cal

       October 2011              November 2011             December 2011

     Mo Tu We Th Fr Sa Su      Mo Tu We Th Fr Sa Su      Mo Tu We Th Fr Sa Su
  39                 1  2   44     1  2  3  4  5  6   48           1  2  3  4
  40  3  4  5  6  7  8  9   45  7  8  9 10 11 12 13   49  5  6  7  8  9 10 11
  41 10 11 12 13 14 15 16   46 14 15 16 17 18 19 20   50 12 13 14 15 16 17 18
  42 17 18 19 20 21 22 23   47 21 22 23 24 25 26 27   51 19 20 21 22 23 24 25
  43 24 25 26 27 28 29 30   48 28 29 30               52 26 27 28 29 30 31
  44 31

Legend: today, due, due-today, overdue, weekend, holiday, weeknumber.


ID Project Pri Due      Active Age Description
 3             20111016         3d Drive home
11             20111031         3d Pay installment for credit
 4             20111031         3d Pay rents

3 tasks
$ # did a 'task config calendar.holidays sparse' before
```

Timesheet



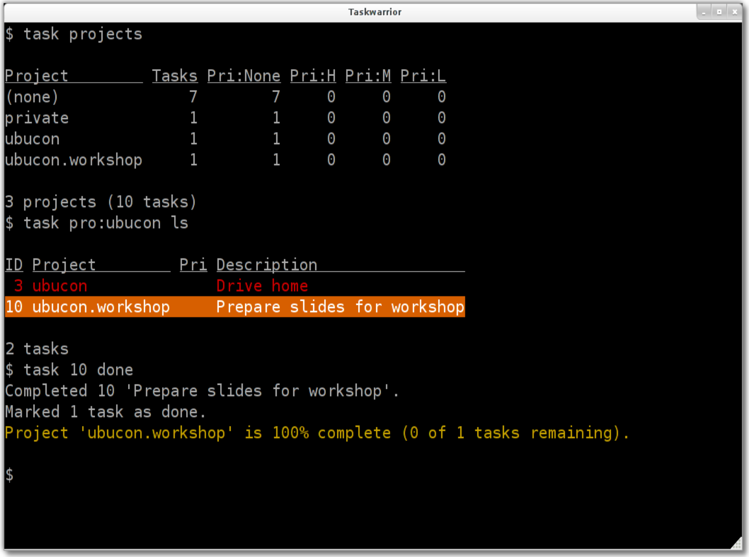
```
$ task add Drive to Leipzig
Created task 12.

$ task 12 done
Completed 12 'Drive to Leipzig'.
Marked 1 task as done.

$ task 10 start
Started 10 'Prepare slides for workshop'.
$ task timesheet

20111010 - 20111016
  Completed (2 tasks)
    Project Due      Description
            20111031 Pay installment for credit
                     Drive to Leipzig

  Started (1 tasks)
    Project Due Description
                Prepare slides for workshop


$ 
```

Project and subproject



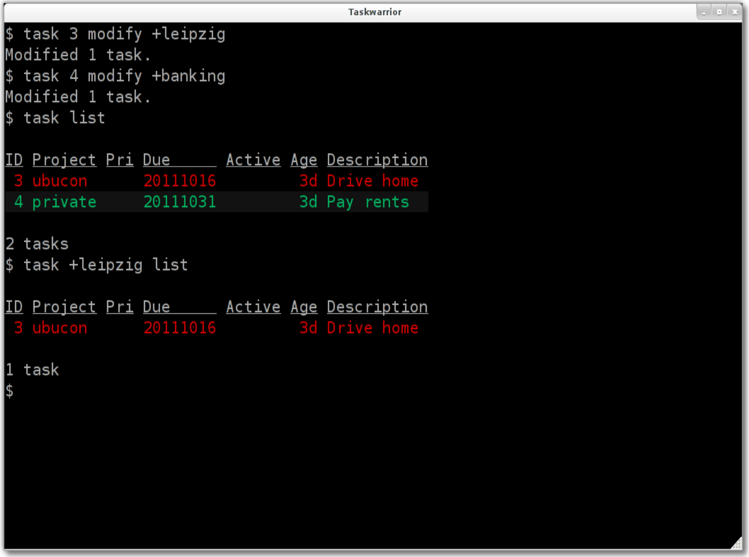
```
$ task 3 modify pro:ubucon
Modified 1 task.
The project 'ubucon' has changed.  Project 'ubucon' is 0% complete (1 of 1 tasks
 remaining).

$ task 10 modify pro:ubucon.workshop
Modified 1 task.
The project 'ubucon.workshop' has changed.  Project 'ubucon.workshop' is 0% comp
lete (1 of 1 tasks remaining).

$ task 4 modify pro:private
Modified 1 task.
The project 'private' has changed.  Project 'private' is 0% complete (1 of 1 tas
ks remaining).

$ task list

ID Project         Pri Due      Active Age Description
 3 ubucon              20111016        3d  Drive home
 4 private             20111031        3d  Pay rents
10 ubucon.workshop                  *  5d  Prepare slides for workshop

3 tasks
$
```

Projects



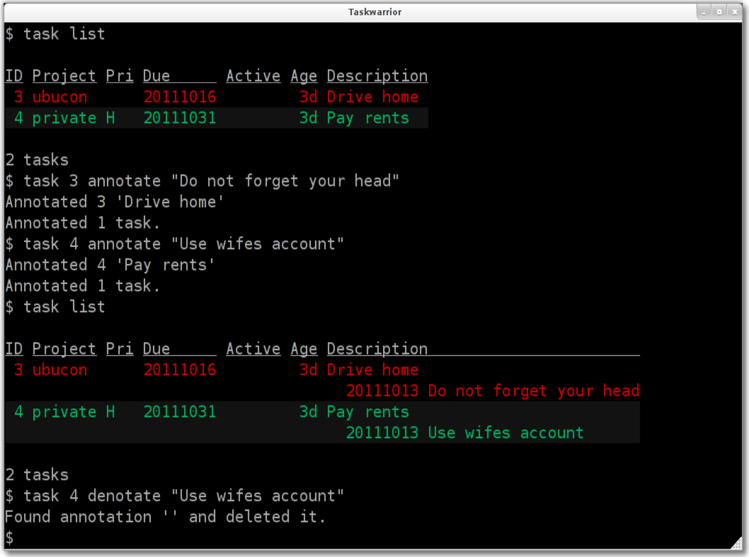
```
$ task projects

Project           Tasks Pri:None Pri:H Pri:M Pri:L
(none)                7        7     0     0     0
private               1        1     0     0     0
ubucon                1        1     0     0     0
ubucon.workshop       1        1     0     0     0

3 projects (10 tasks)
$ task pro:ubucon ls

ID Project          Pri Description
 3 ubucon               Drive home
10 ubucon.workshop      Prepare slides for workshop

2 tasks
$ task 10 done
Completed 10 'Prepare slides for workshop'.
Marked 1 task as done.
Project 'ubucon.workshop' is 100% complete (0 of 1 tasks remaining).

$
```

Tags



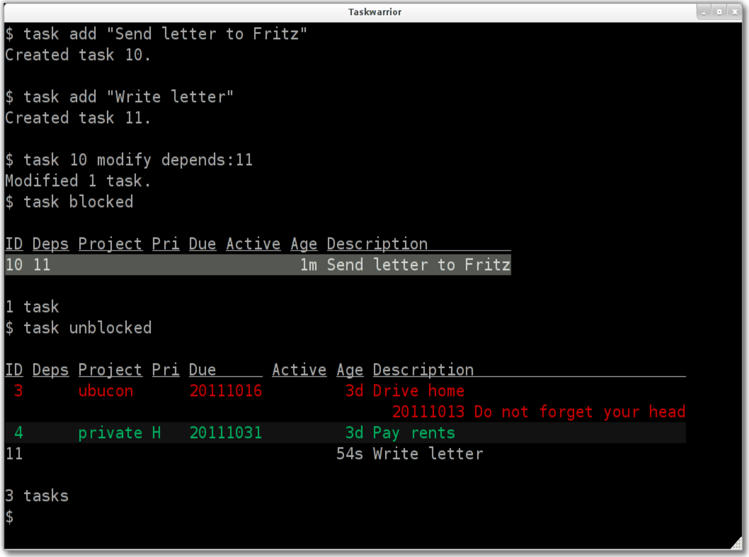
```
$ task 3 modify +leipzig
Modified 1 task.
$ task 4 modify +banking
Modified 1 task.
$ task list

ID Project Pri Due      Active Age Description
 3 ubucon      20111016          3d Drive home
 4 private     20111031          3d Pay rents

2 tasks
$ task +leipzig list

ID Project Pri Due      Active Age Description
 3 ubucon      20111016          3d Drive home

1 task
$
```

Annotations



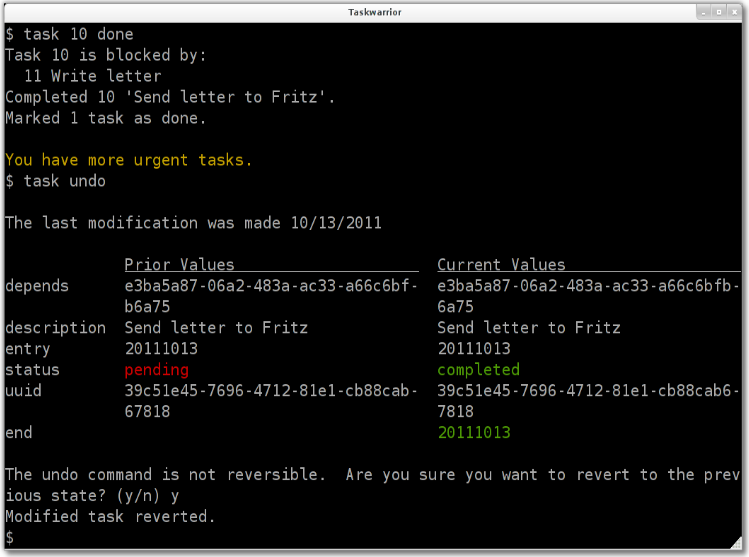
```
$ task list

ID Project Pri Due      Active Age Description
 3 ubucon      20111016         3d Drive home
 4 private H   20111031         3d Pay rents

2 tasks
$ task 3 annotate "Do not forget your head"
Annotated 3 'Drive home'
Annotated 1 task.
$ task 4 annotate "Use wifes account"
Annotated 4 'Pay rents'
Annotated 1 task.
$ task list

ID Project Pri Due      Active Age Description
 3 ubucon      20111016         3d Drive home
                                     20111013 Do not forget your head
 4 private H   20111031         3d Pay rents
                                     20111013 Use wifes account

2 tasks
$ task 4 denotate "Use wifes account"
Found annotation '' and deleted it.
$
```

Dependency, part 1



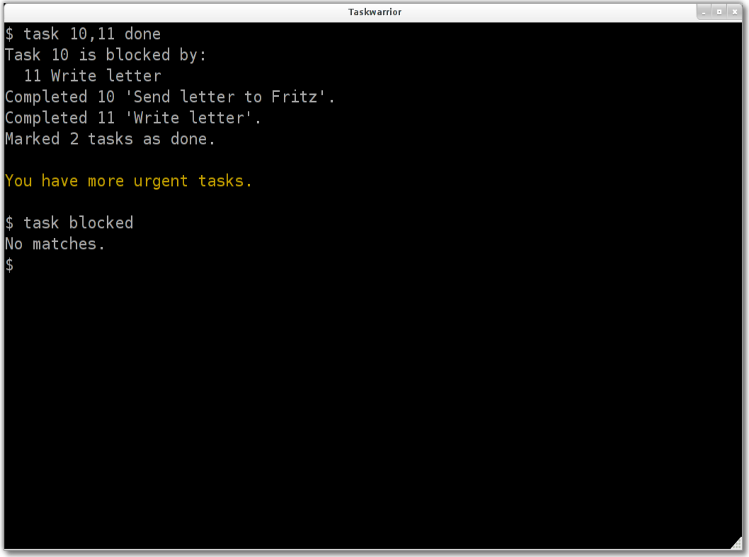
```
$ task add "Send letter to Fritz"
Created task 10.

$ task add "Write letter"
Created task 11.

$ task 10 modify depends:11
Modified 1 task.
$ task blocked

ID Deps Project Pri Due Active Age Description
10 11                           1m Send letter to Fritz

1 task
$ task unblocked

ID Deps Project Pri Due      Active Age Description
 3      ubucon      20111016         3d Drive home
                                          20111013 Do not forget your head
 4      private H   20111031         3d Pay rents
11                                  54s Write letter

3 tasks
$
```

Dependency, part 2



```
$ task 10 done
Task 10 is blocked by:
  11 Write letter
Completed 10 'Send letter to Fritz'.
Marked 1 task as done.

You have more urgent tasks.
$ task undo

The last modification was made 10/13/2011

            Prior Values                    Current Values
depends     e3ba5a87-06a2-483a-ac33-a66c6bf- e3ba5a87-06a2-483a-ac33-a66c6bfb-
            b6a75                            6a75
description Send letter to Fritz             Send letter to Fritz
entry       20111013                         20111013
status      pending                          completed
uuid        39c51e45-7696-4712-81e1-cb88cab- 39c51e45-7696-4712-81e1-cb88cab6-
            67818                            7818
end                                          20111013

The undo command is not reversible.  Are you sure you want to revert to the prev
ious state? (y/n) y
Modified task reverted.
$
```

Dependency, part 3



```
$ task 10,11 done
Task 10 is blocked by:
  11 Write letter
Completed 10 'Send letter to Fritz'.
Completed 11 'Write letter'.
Marked 2 tasks as done.

You have more urgent tasks.

$ task blocked
No matches.
$
```

Predefined reports (from task reports), part 2

These reports were already used.

- **blocked** Lists all blocked tasks matching the specified criteria
- **list** Lists all tasks matching the specified criteria
- **long** Lists all task, all data, matching the specified criteria
- **projects** Shows a list of all project names used, and how many tasks are in each
- **recurring** Lists recurring tasks matching the specified criteria
- **unblocked** Lists all unblocked tasks matching the specified criteria
- **waiting** Lists all waiting tasks matching the specified criteria

Predefined reports (from task reports), part 2

New ones:

- **active** Lists active tasks matching the specified criteria
- **all** Lists all tasks matching the specified criteria, including parents of recurring tasks
- **burndown.daily** Shows a graphical burndown chart, by day
- **burndown.monthly** Shows a graphical burndown chart, by month
- **burndown.weekly** Shows a graphical burndown chart, by week
- **completed** Lists completed tasks matching the specified criteria
- **ghistory.annual** Shows a graphical report of task history, by year
- **ghistory.monthly** Shows a graphical report of task history, by month
- **history.annual** Shows a report of task history, by year
- **history.monthly** Shows a report of task history, by month
- **information** Shows all data and metadata for specified tasks
- **ls** Minimal listing of all tasks matching the specified criteria
- **minimal** A really minimal listing

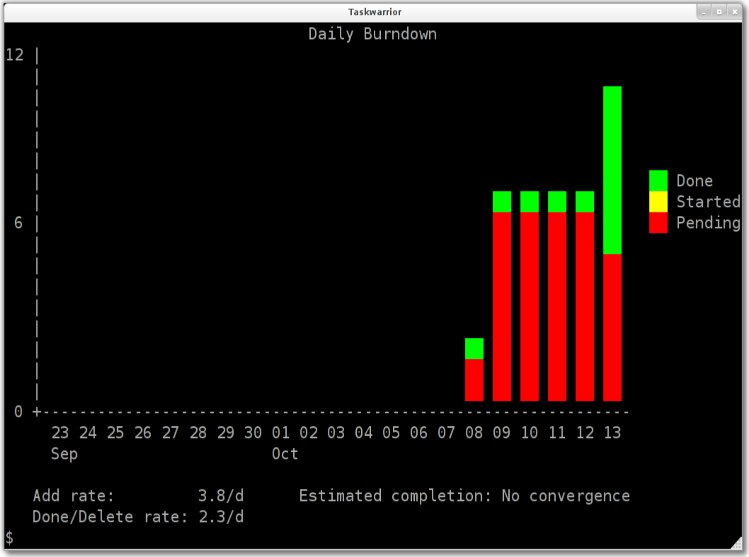
Predefined reports (from task reports), part 3

And more:

- **newest** Shows the newest tasks
- **next** Lists the most urgent tasks
- **oldest** Shows the oldest tasks
- **overdue** Lists overdue tasks matching the specified criteria
- **summary** Shows a report of task status by project
- **tags** Shows a list of all tags used

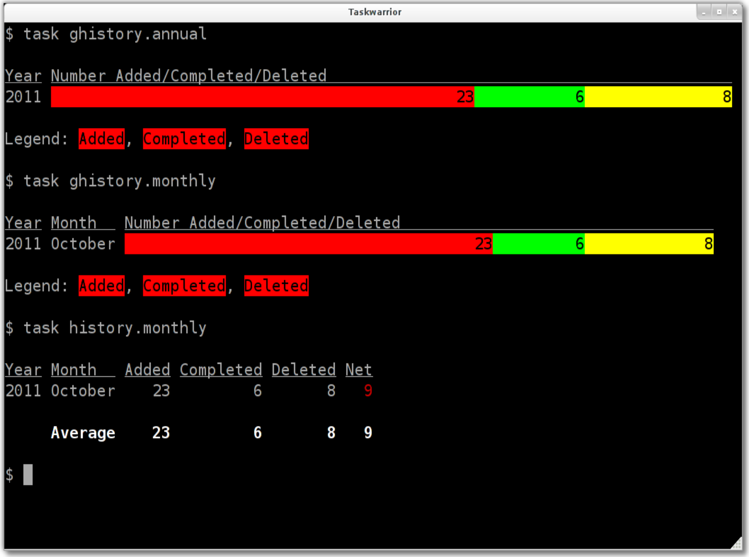
26 reports in total

burndown.daily



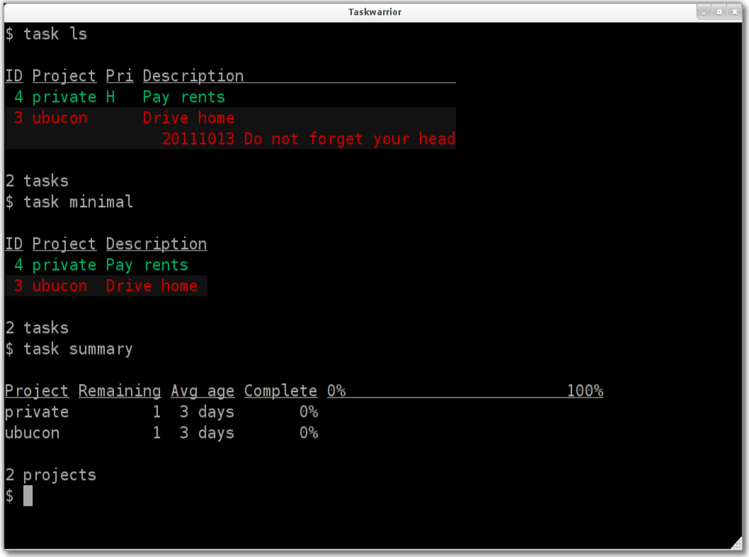
```
  Add rate:          3.8/d      Estimated completion: No convergence
  Done/Delete rate:  2.3/d
$
```

ghistory, history



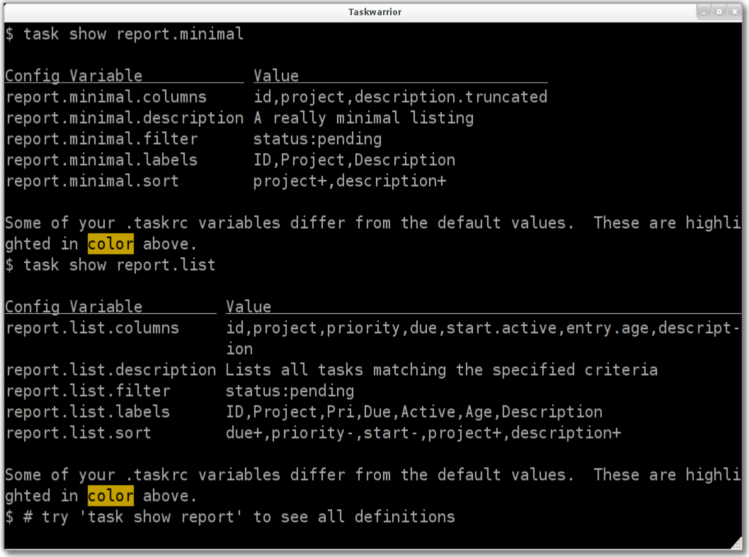
```
$ task ghistory.annual

Year Number Added/Completed/Deleted
2011                                           23           6               8

Legend: Added, Completed, Deleted

$ task ghistory.monthly

Year Month   Number Added/Completed/Deleted
2011 October                                     23         6              8

Legend: Added, Completed, Deleted

$ task history.monthly

Year Month   Added Completed Deleted Net
2011 October    23         6       8   9

     Average    23         6       8   9

$ 
```

ls, minimal, summary



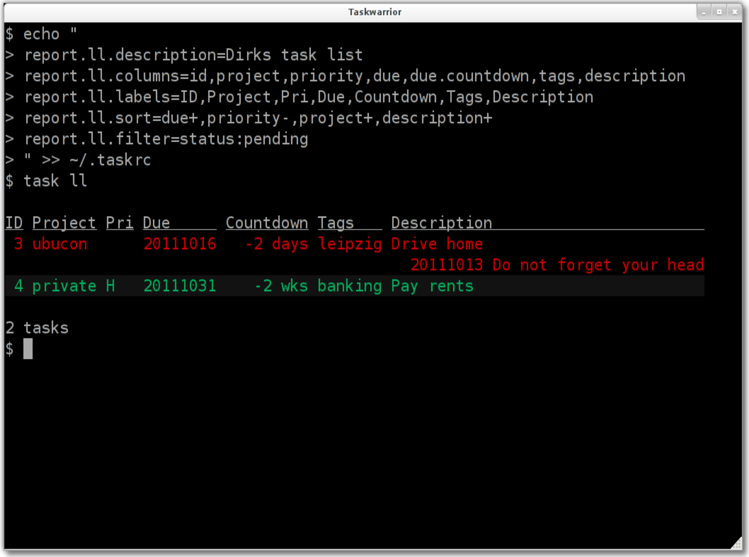
```
$ task ls

ID Project Pri Description
 4 private H   Pay rents
 3 ubucon      Drive home
                 20111013 Do not forget your head

2 tasks
$ task minimal

ID Project Description
 4 private Pay rents
 3 ubucon  Drive home

2 tasks
$ task summary

Project Remaining Avg age Complete 0%                        100%
private         1  3 days       0%
ubucon          1  3 days       0%

2 projects
$
```

Report definitions



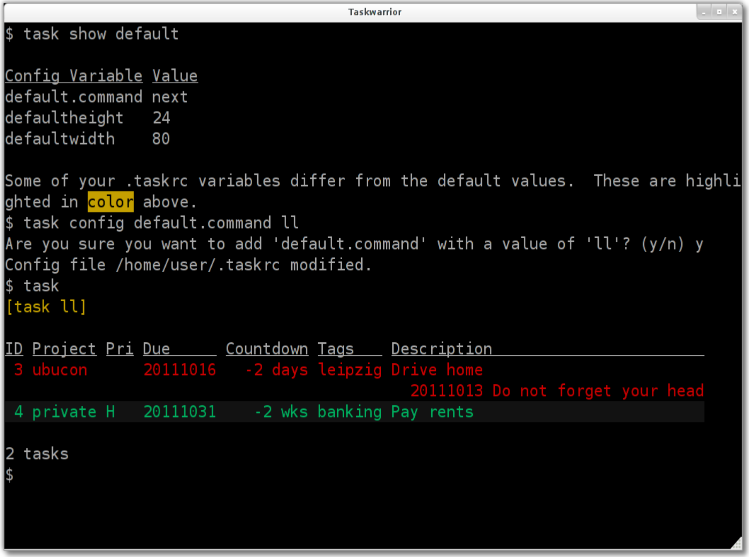
```
$ task show report.minimal

Config Variable            Value
report.minimal.columns     id,project,description.truncated
report.minimal.description A really minimal listing
report.minimal.filter      status:pending
report.minimal.labels      ID,Project,Description
report.minimal.sort        project+,description+

Some of your .taskrc variables differ from the default values.  These are highli
ghted in color above.
$ task show report.list

Config Variable         Value
report.list.columns     id,project,priority,due,start.active,entry.age,descript-
                        ion
report.list.description Lists all tasks matching the specified criteria
report.list.filter      status:pending
report.list.labels      ID,Project,Pri,Due,Active,Age,Description
report.list.sort        due+,priority-,start-,project+,description+

Some of your .taskrc variables differ from the default values.  These are highli
ghted in color above.
$ # try 'task show report' to see all definitions
```

Dirks task list



```
$ echo "
> report.ll.description=Dirks task list
> report.ll.columns=id,project,priority,due,due.countdown,tags,description
> report.ll.labels=ID,Project,Pri,Due,Countdown,Tags,Description
> report.ll.sort=due+,priority-,project+,description+
> report.ll.filter=status:pending
> " >> ~/.taskrc
$ task ll

ID Project Pri Due      Countdown Tags    Description
 3 ubucon      20111016   -2 days leipzig Drive home
                                            20111013 Do not forget your head
 4 private H   20111031    -2 wks banking Pay rents

2 tasks
$ 
```

Set default command



```
$ task show default

Config Variable Value
default.command next
defaultheight   24
defaultwidth    80

Some of your .taskrc variables differ from the default values.  These are highli
ghted in color above.
$ task config default.command ll
Are you sure you want to add 'default.command' with a value of 'll'? (y/n) y
Config file /home/user/.taskrc modified.
$ task
[task ll]

ID Project Pri Due      Countdown Tags    Description
 3 ubucon      20111016   -2 days leipzig Drive home
                                            20111013 Do not forget your head
 4 private H   20111031    -2 wks banking Pay rents

2 tasks
$
```

Filtering in general

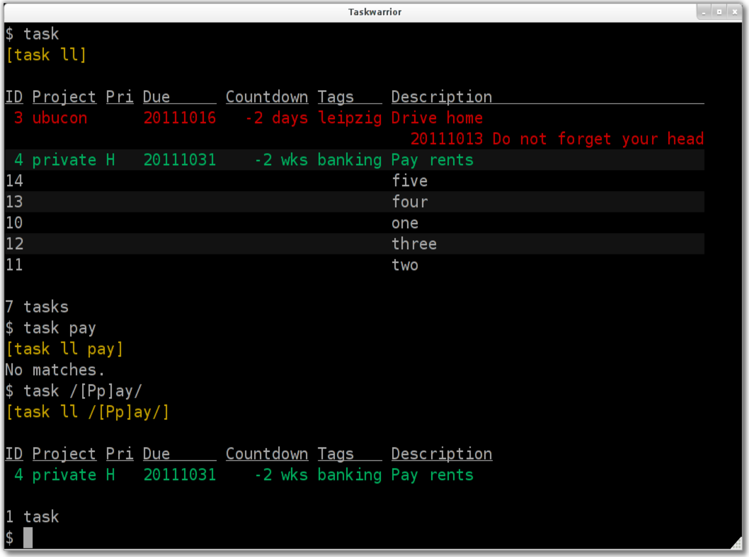
You can filter for any modifier. If you don't use a modifier description is searched for the term, which may be a regular expression, on the command line. Filters may be combined.

The following attribute modifiers maybe applied as well. Names in brackets can be used alternatively.

So a filter can look like "attribute.modifier:value".

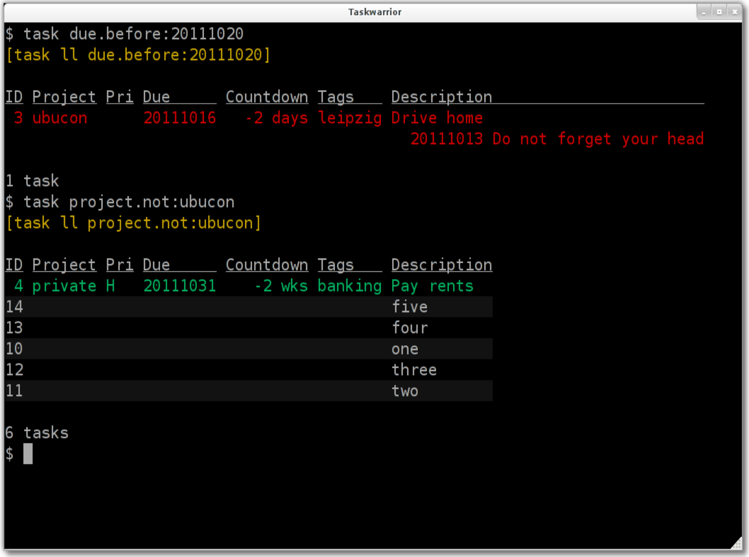
- before, after
- none, any
- is (equals), isnt (not)
- has (contains), hasnt
- startswith (left), endswith (right)
- word, noword

Searches



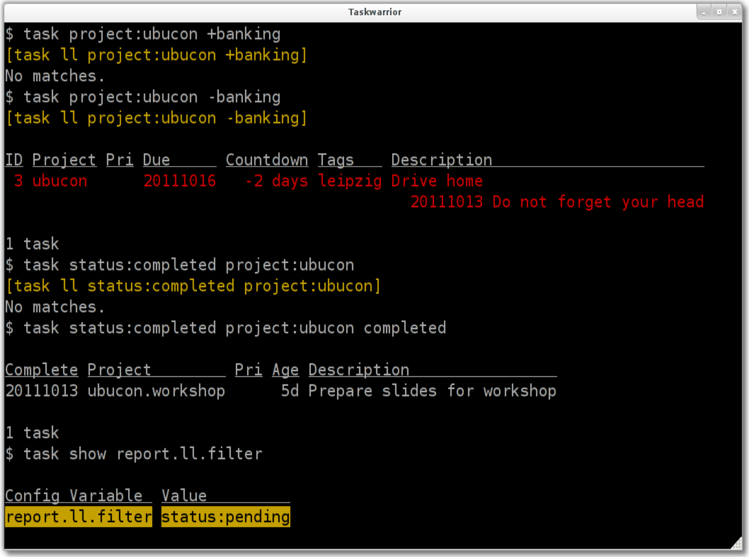
```
$ task
[task ll]

ID Project Pri Due      Countdown Tags    Description
 3 ubucon      20111016   -2 days leipzig Drive home
                                            20111013 Do not forget your head
 4 private H   20111031    -2 wks banking Pay rents
14                                        five
13                                        four
10                                        one
12                                        three
11                                        two

7 tasks
$ task pay
[task ll pay]
No matches.
$ task /[Pp]ay/
[task ll /[Pp]ay/]

ID Project Pri Due      Countdown Tags    Description
 4 private H   20111031    -2 wks banking Pay rents

1 task
$ 
```

Attribute modifiers



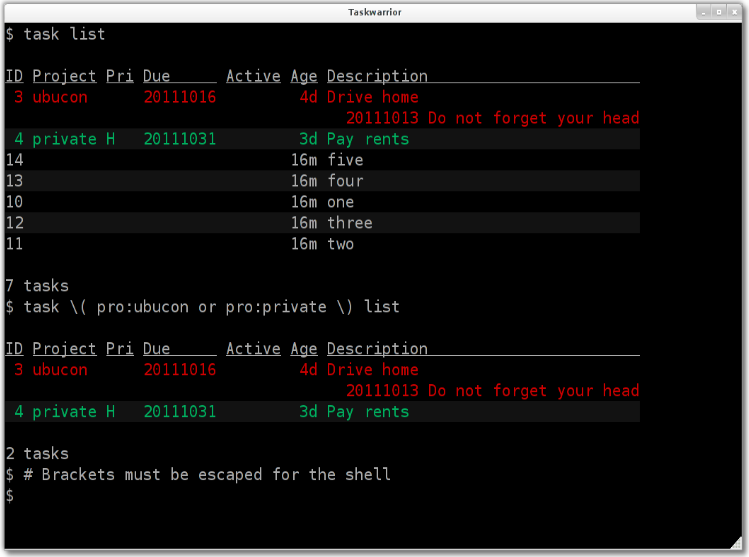
```
$ task due.before:20111020
[task ll due.before:20111020]

ID Project Pri Due      Countdown Tags    Description
 3 ubucon       20111016   -2 days leipzig Drive home
                                             20111013 Do not forget your head

1 task
$ task project.not:ubucon
[task ll project.not:ubucon]

ID Project Pri Due      Countdown Tags    Description
 4 private H   20111031    -2 wks banking Pay rents
14                                        five
13                                        four
10                                        one
12                                        three
11                                        two

6 tasks
$
```

Combining



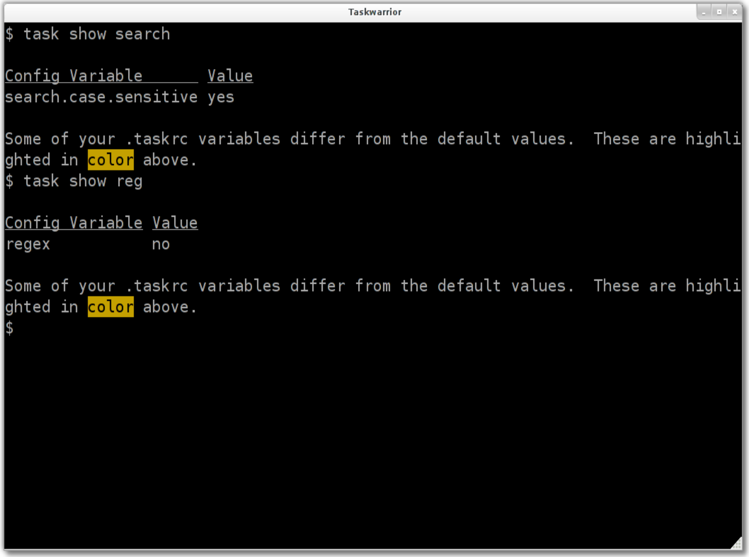
```
$ task project:ubucon +banking
[task ll project:ubucon +banking]
No matches.
$ task project:ubucon -banking
[task ll project:ubucon -banking]

ID Project Pri Due      Countdown Tags    Description
 3 ubucon      20111016   -2 days leipzig Drive home
                                            20111013 Do not forget your head

1 task
$ task status:completed project:ubucon
[task ll status:completed project:ubucon]
No matches.
$ task status:completed project:ubucon completed

Complete Project          Pri Age Description
20111013 ubucon.workshop       5d Prepare slides for workshop

1 task
$ task show report.ll.filter

Config Variable  Value
report.ll.filter status:pending
```

Or ...



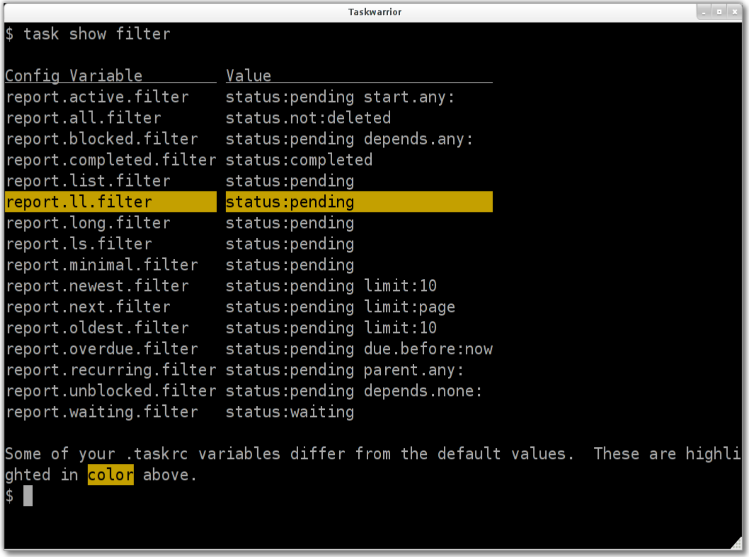
```
$ task list

ID Project Pri Due      Active Age Description
 3 ubucon      20111016         4d Drive home
                                     20111013 Do not forget your head
 4 private H   20111031         3d Pay rents
14                             16m five
13                             16m four
10                             16m one
12                             16m three
11                             16m two

7 tasks
$ task \( pro:ubucon or pro:private \) list

ID Project Pri Due      Active Age Description
 3 ubucon      20111016         4d Drive home
                                     20111013 Do not forget your head
 4 private H   20111031         3d Pay rents

2 tasks
$ # Brackets must be escaped for the shell
$
```

Search configuration



```
$ task show search

Config Variable        Value
search.case.sensitive yes

Some of your .taskrc variables differ from the default values.  These are highli
ghted in color above.
$ task show reg

Config Variable Value
regex           no

Some of your .taskrc variables differ from the default values.  These are highli
ghted in color above.
$
```

Filter in reports

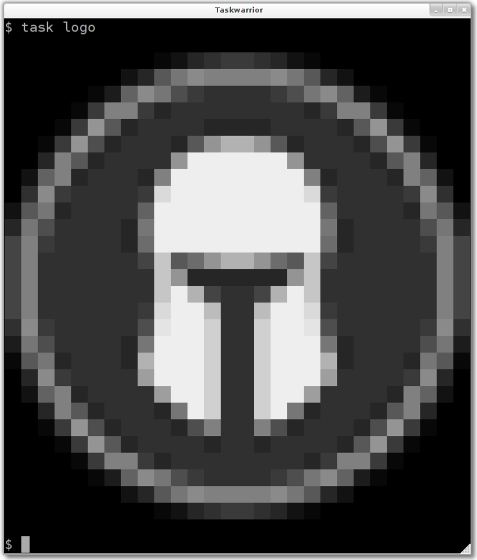


```
$ task show filter

Config Variable          Value
report.active.filter     status:pending start.any:
report.all.filter        status.not:deleted
report.blocked.filter    status:pending depends.any:
report.completed.filter status:completed
report.list.filter       status:pending
report.ll.filter         status:pending
report.long.filter       status:pending
report.ls.filter         status:pending
report.minimal.filter    status:pending
report.newest.filter     status:pending limit:10
report.next.filter       status:pending limit:page
report.oldest.filter     status:pending limit:10
report.overdue.filter    status:pending due.before:now
report.recurring.filter status:pending parent.any:
report.unblocked.filter status:pending depends.none:
report.waiting.filter    status:waiting

Some of your .taskrc variables differ from the default values.  These are highli
ghted in color above.
$ 
```

This is by far not all

- **task log**
  for logging a task after it is already done.
- **task diag**
  to help support for diagnostic purpose.
- **task shell**
  a simple shell to get rid of the necessity to type "task" all the time.
- ... and many more!

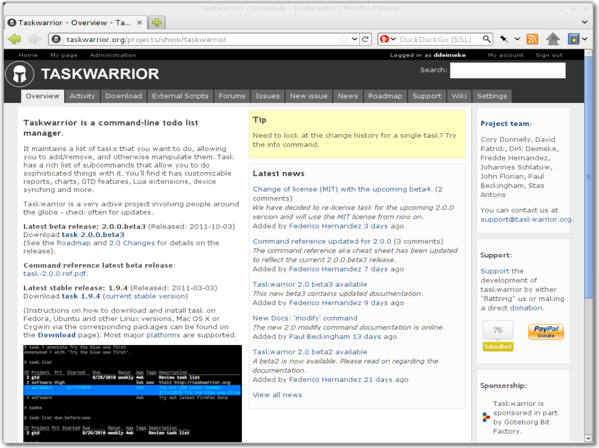
Questions?



```
$ task logo

$
```

Support

taskwarrior.org



Taskwarrior - Overview - Taskwarrior - Mozilla Firefox
Taskwarrior - Overview - Ta... ×
taskwarrior.org/projects/show/taskwarrior
DuckDuckGo (SSL)
Home My page Administration
Logged in as ddeimeke My account Sign out
TASKWARRIOR
Search:
Overview Activity Download External Scripts Forums Issues New issue News Roadmap Support Wiki Settings

Taskwarrior is a command-line todo list manager.

It maintains a list of tasks that you want to do, allowing you to add/remove, and otherwise manipulate them. Task has a rich list of subcommands that allow you to do sophisticated things with it. You'll find it has customizable reports, charts, GTD features, Lua extensions, device synching and more.

Taskwarrior is a very active project involving people around the globe - check often for updates.

Latest beta release: 2.0.0.beta3 (Released: 2011-10-03)
Download **task 2.0.0.beta3**
(See the Roadmap and 2.0 Changes for details on the release).

Command reference latest beta release:
task-2.0.0.ref.pdf.

Latest stable release: 1.9.4 (Released: 2011-03-03)
Download **task 1.9.4** (current stable version)

(Instructions on how to download and install task on Fedora, Ubuntu and other Linux versions, Mac OS X or Cygwin via the corresponding packages can be found on the **Download** page). Most major platforms are supported.

```
$ task 1 annotate Try the blue one first
Annotated 1 with 'Try the blue one first'.

$ task list

ID Project  Pri  Started    Due       Recur  Age Tags Description
 3 gtd                      8/26/2010 weekly 4wk      Review task list
 2 software High                             5wk www  Visit http://taskwarrior.org
 1 software      8/17/2010                   3wk      Try out the color themes
                                                      9/12/2010 Try the blue one first
 4 software                                  4wk      Try out latest Firefox beta

4 tasks

$ task list due.before:eow

ID Project Pri Started Due       Recur  Age Tags Description
 3 gtd                 8/26/2010 weekly 4wk      Review task list
```

Tip

Need to look at the change history for a single task? Try the info command.

Latest news

Change of license (MIT) with the upcoming beta4. (2 comments)
We have decided to re-license task for the upcoming 2.0.0 version and will use the MIT license from now on.
Added by Federico Hernandez 3 days ago

Command reference updated for 2.0.0 (3 comments)
The command reference aka cheat sheet has been updated to reflect the current 2.0.0.beta3 release.
Added by Federico Hernandez 7 days ago

Taskwarrior 2.0 beta3 available
This new beta3 contains updated documentation.
Added by Federico Hernandez 9 days ago

New Docs: 'modify' command
The new 2.0 modify command documentation is online.
Added by Paul Beckingham 13 days ago

Taskwarrior 2.0 beta2 available
A beta2 is now available. Please read on regarding the documentation.
Added by Federico Hernandez 21 days ago

View all news

Project team:

Cory Donnelly, David Patrick, Dirk Deimeke, Fredde Hernandez, Johannes Schlatow, John Florian, Paul Beckingham, Stas Antons

You can contact us at support@taskwarrior.org.

Support:

Support the development of taskwarrior by either "flattring" us or making a direct donation.

Sponsorship:

Taskwarrior is sponsored in part by Göteborg Bit Factory.

support@taskwarrior.org

#taskwarrior on freenode.net – @taskwarrior on Twitter or identi.ca

Thanks for your patience!

Dirk Deimeke, Taskwarrior-Team, 2011, CC-BY

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