

# Todo Lists in TaskWarrior

[Taskwarrior](#) is a powerful command-line todo list manager which can be installed from [SlackBuilds.org](#). Please note that it depends on [Lua](#).

## Managing Your Todo List

You can use TaskWarrior in 2 ways:

1. By invoking the Task Shell and issuing TW commands:

```
% task shell
task 2.1.1 shell

Enter any task command (such as 'list'), or hit 'Enter'.
There is no need to include the 'task' command itself.
Enter 'quit' (or 'bye', 'exit') to end the session.

task>
```

2. By typing TW commands directly from a system shell (eg. Bash) preceded with the task command. This is the approach we are going to take in this tutorial. In order to limit the amount of typing we could create a shell alias. If you use Bash, please edit (or create) the following file `${HOME}/.bashrc`:

```
/${HOME}/.bashrc
```

```
alias t=task
```

In this HOWTO we are going to use the full task command.

### Adding Tasks

```
% task add Email Bob
Created task 1.
% task add priority:H Book a ticket
Created task 2.
```

We have just created 2 tasks with the second one being of high priority.

### Adding Due Dates

```
% task 1 modify due:09/09/2012
```

```
% task 4 modify due:today
% task 5 modify due:3days
```

## Displaying Tasks

```
% task

ID Project Pri Due          A Age Urgency Description
  2         H                Book a ticket
  1                09/09/2012      Email Bob

2 tasks
```

Please note that because of high priority, task 2 is at the top of the list. There are a few ways you can list your tasks: `* task` `* task minimal` `* task ls` `* task list` `* task long`

Each method differs in terms of the amount of displayed information.

## Starting a Task

```
% task 1 start
```

## Marking Tasks as Done

```
% task 2 done
Completed task 2 'Book a ticket'.
Completed 1 task.
% task ls

ID Project Pri Description
  1                Email Bob

1 task
```

## Deleting Tasks

```
% task 1 delete
```

Alternatively, you can undo the task you've just created:

```
% task undo
```

## Duplicating Tasks

We have got the following task:

ID	Project	Pri	Due	A	Age	Urgency	Description
4		H			3s	6	Phone Lennart about the code

You can duplicate the task with some modifications

```
% task 4 duplicate /Lennart/Linus/
```

ID	Project	Pri	Due	A	Age	Urgency	Description
4		H			1m	6	Phone Lennart about the code
5		H			7s	6	Phone Linus about the code

### Modifying Tasks

You have just realised that one of your tasks contains a spelling mistake:

ID	Project	Pri	Due	A	Age	Urgency	Description
...							
6					16s	0	Install Slakware on the lappy

We can modify an existing task:

```
% task 6 modify /Slakware/Slackware/g
```

ID	Project	Pri	Due	A	Age	Urgency	Description
4		H			14m	6	Phone Lennart about the code
5		H			14m	6	Phone Linus about the code
1					43m	0	Email Bob
2					33m	0	Install Opera
3					31m	0	Upgrade Angband
6					12m	0	Install Slackware on the lappy
7					6m	0	Create a SlackBuild for my new program
8					4m	0	Buy a present for Billy
9					4m	0	Test my SlackBuilds on Slackware 14
10					2m	0	Feed the dog
11					2m	0	Change my email address on SlackBuilds.org
12					28s	0	Tax Return
13					1s	0	Upgrade SlackBuilds

```
% task 1-6 modify project:misc
% task 7,9,11,13 modify project:SB
% task 8,10 modify project:home
```

ID	Project	Pri	Due	A	Age	Urgency	Description
13	SB	H			13m	7	Upgrade SlackBuilds
10	home	H			16m	7	Feed the dog
4	misc	H			28m	7	Phone Lennart about the code
5	misc	H			28m	7	Phone Linus about the code

12	H	14m	6	Tax Return
9 SB	M	18m	4.9	Test my SlackBuilds on Slackware 14
11 SB	M	16m	4.9	Change my email address on SlackBuilds.org
8 home	M	18m	4.9	Buy a present for Billy
1 misc	M	57m	4.9	Email Bob
6 misc	M	26m	4.9	Install Slackware on the lappy
7 SB	L	20m	2.8	Create a SlackBuild for my new program
2 misc	L	47m	2.8	Install Opera
3 misc	L	44m	2.8	Upgrade Angband

13 tasks

You can display a breakdown of your projects:

```
% task projects
```

Project	Tasks	Pri:None	Pri:L	Pri:M	Pri:H
(none)	1	0	0	0	1
SB	4	0	1	2	1
home	2	0	0	1	1
misc	6	0	2	2	2

3 projects (13 tasks)

### Adding / Removing Tags

You can add tags by:

```
% task 3,5,7-10 modify +work
```

You can remove tags by:

```
% task 7 modify -work
```

Please note that tags are only displayed when you list your tasks with the long option.

### Selective Display of Tasks

Display your tasks by priority:

```
% task priority:H
```

```
[task next priority:H]
```

ID	Project	Pri	Due	A	Age	Urgency	Description
13	SB	H	15m			7	Upgrade SlackBuilds
10	home	H	18m			7	Feed the dog
4	misc	H	30m			7	Phone Lennart about the code
5	misc	H	30m			7	Phone Linus about the code
12		H	16m			6	Tax Return

5 tasks

Display your tasks by project:

```
% task project:SB
[task next project:SB]
```

ID	Project	Pri	Due	A	Age	Urgency	Description
13	SB	H			16m	7	Upgrade SlackBuilds
9	SB	M			20m	4.9	Test my SlackBuilds on Slackware 14
11	SB	M			18m	4.9	Change my email address on SlackBuilds.org
7	SB	L			22m	2.8	Create a SlackBuild for my new program

4 tasks

Display your tasks by tag:

```
% task +work
```

### Adding annotations

You can annotate a task:

```
% task 9 annotate i3 builds fine
```

ID	Project	Pri	Due	A	Age	Urgency	Description
...							
9	SB	M			1h	5.8	Test my SlackBuilds on Slackware 14 9/1/2012 yajl works fine 9/3/2012 i3 builds fine
...							

### Displaying Statistics

```
% task stats
```

## Colours in TaskWarrior

You can enable one of the colour themes in ~/.taskrc by uncommenting one of the lines:

```
/${HOME}/.taskrc
```

```
# Color theme (uncomment one to use)
#include /usr/share/doc/task/rc/light-16.theme
#include /usr/share/doc/task/rc/light-256.theme
#include /usr/share/doc/task/rc/dark-16.theme
```

```
#include /usr/share/doc/task/rc/dark-256.theme
#include /usr/share/doc/task/rc/dark-red-256.theme
include /usr/share/doc/task/rc/dark-green-256.theme
#include /usr/share/doc/task/rc/dark-blue-256.theme
#include /usr/share/doc/task/rc/dark-violets-256.theme
#include /usr/share/doc/task/rc/dark-yellow-green.theme
#include /usr/share/doc/task/rc/dark-gray-256.theme
```

The dark-green-256 theme looks as follows:



You can display current colours (variables + colour values) with:

```
% task color legend
```

Colour themes can be easily customised by editing theme files. All the theme files are located in `/usr/share/doc/task/rc/`.

## Displaying a Calendar

All the tasks that have a due date assigned will be marked on the calendar. Additionally you can enable the display of holidays by specifying a country in `~/ .taskrc`:

```
/${HOME}/.taskrc
```

```
include /usr/local/share/doc/task/rc/holidays-GB.rc
```

The `/usr/share/doc/task/rc/` directory contains holidays for other countries as well.

# TaskWarrior Integration

TaskWarrior is a very flexible and powerful tool. What makes it even more useful is the possibility of integrating it into your working environment.

## TaskWarrior and i3

1. You issue TaskWarrior commands from dmenu. Simply press `Alt+D` and start typing a TW command, eg:

```
task add priority:H due:2days Mom's birthday
```

2. Assign basic keybindings.

`display_tasks.sh`

```
#!/bin/sh
task ls
read -p "Press Enter to close the window."
```

`~/.i3/config`:

`${HOME}/.i3/config`

```
...
for_window [title="taskwin"] floating enable
bindsym $ms+t exec urxvt -title taskwin -e sh
~/.i3/path/to/display_tasks.sh
bindsym $ms+Shift+D exec task $(task ls | awk 'NR==4 { print $1 }')
done
...
```

This will enable the floating mode for any window entitled `taskwin`. The `Win+T` combination will display the list of your tasks in a floating mode in the middle of the screen. The `Win+Shift+D` keybinding will mark your top task as completed (Please see [configuring i3 modifier keys](#)).

3. [Displaying the top task](#) in `i3status`.

## Sources

- Originally written by [Marcin Herda](#)

[howtos](#), [software](#), [taskwarrior](#), [todo](#), [gtd](#), [author sycamorex](#)

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