



# SETTING YOUR SHELL PROMPT

COMPOUNDING LOTS OF SMALL CHANGES FOR LARGER EFFECTS

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Dirk Edelbuettel

7<sup>4</sup> Video Lightning Talk #002

May 17, 2020

## Previously we

- Introduced the series with an overview in [episode 000](#)
- Started some first shell customization with color in [episode 001](#)
- Showed the [GitHub repo t4](#) for comments, questions etc

## Customize your prompt

- Give useful information about
  - account
  - host
  - directory
  - *and much more*
- Simple Ready-to-Use Examples

### How

- Set (and export) the `PS1` variable
- Simplest: `export PS1="\u@\h:\w> "`
- DEMO

### Where?

- Locally `~/.bashrc` (or maybe `~/.bash_profile`)
- To turn on colour etc: maybe use help of a generator:
  - <http://bashrcgenerator.com/> or
  - <http://omar.io/ps1gen/> or
  - <http://ezprompt.net/> or
  - ... many more

### How

- A little harder: we need a (very short) bash functions
- That is called from the **PS1** variable set
- One example at <https://stat430.com/resources/snippets/>
- Other examples on-line

## SHELL TIP 3: CUSTOMIZE PROMPT WITH GIT BRANCH

### Code

```
## Set the prompt to show the current git branch:
function parse_git_branch {
    ref=$(git symbolic-ref HEAD 2> /dev/null) || return
    echo "(${ref#refs/heads/})"
}
## this one has user@host:working/dir(branch):
## linebreaks just for slide!!
export PS1='\[\e[38;5;202m\]\u\[\e[38;5;245m\]@\[\e[00m\]
\[\e[38;5;172m\]\h\[\e[00m\]:\[\e[38;5;202m\]\w
\[\e[38;5;245m\]$(parse_git_branch)\[\e[00m\]$ '
```

## Maybe More Shell

- Shell aliases a good topic
- Some simple examples
- Common theme: *simple* customizations add up
- Hopefully Next Sunday



# SERIES RESOURCE

The screenshot shows the GitHub interface for the repository 'eddelbuettel / t4'. At the top, there are navigation links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. Below this, the repository name and a description 'Support repo for T4 Video Lightning Talks' are shown. A summary bar indicates 1 commit, 1 branch, 0 packages, 0 releases, and 1 contributor. A toolbar includes options for 'New pull request', 'Create new file', 'Upload files', 'Find file', and 'Clone or download'. The commit history shows an initial commit by 'eddelbuettel' 31 seconds ago. The selected file is 'README.md', which contains the following text:

```

t4: Tips, Trick, Tools and Toys

What Is This?

An informal series of lightning talks taped as videos and supported by a few slides. Focused on a few little ticks and tricks, or tools, or toys, to make computing life just that little bit easier.

Schedule so far

with the initial video and slides

What Else?

Please use the issue tracker to provide feedback, corrections, ideas, ...

Who

Dirk Eddelbuettel

```

Source: <https://github.com/eddelbuettel/t4>

Thu, 07 May 2020

## Rcpp Virtual Talk on June 5

We had to [cancel R/Finance 2020](#) due to what is happening all around us. But I plan to present the one-hour workshop I often give in the tutorial session preceding the first day—but this time online!

To keep it simple, we will stick with the same day, and possibly the same time: Friday morning at 8:00am! So that makes Friday, June 5, at 08:00h Central time.

[This YouTube! link](#) should then provide the stream, I reckon there may also be a recording afterwards.



**I ILLINOIS**

**INTRODUCTION TO RCPP:  
FROM SIMPLE EXAMPLES TO MACHINE LEARNING**

(VIRTUAL) R/FINANCE PRE-CONFERENCE TUTORIAL

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Dirk Eddelbuettel  
5 June 2020

The talk / demo / presentation will be about an hour long, and material will be similar to the previous ones (of the same length) still available at the [talks](#) page (which also has longer talks all the way to the two-day workshops).

If you like this or other open-source work I do, you can now [sponsor me](#) at GitHub. For the first year, [GitHub will match your contributions](#).

*This post by [Dirk Eddelbuettel](#) originated on his [Thinking inside the box](#) blog. Please report excessive re-aggregation in third-party for-profit settings.*

Source: Blog post at [http://dirk.eddelbuettel.com/blog/2020/05/07#rcpp\\_announce\\_talk\\_20200605](http://dirk.eddelbuettel.com/blog/2020/05/07#rcpp_announce_talk_20200605)

# THANK YOU!

slides <http://dirk.eddelbuettel.com/presentations/>

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