SOME SMALL SHELL TWEAKS

COMPounding Lots of SMALL CHANGES FOR LARGER EFFECTS

Dirk Eddelbuettel

T⁴ Video Lightning Talk #001
May 10, 2020
Announcing A New Series of Video Lightning Talks

• Focus likely on
  • Shell (i.e. bash)
  • Byobu (i.e. a nice way to use tmux)
  • Emacs (hear me out on this…)
  • Possibly git
  • Possibly some R or r tricks

• Today is Episode 1
Pretty much everything useful I ever learned about UNIX shells was not from reading books or manuals, but by peering over someone’s shoulder and seeing something I’d never seen before. “Oooh, what was that you just did?”

Source: Joe’s awesome post on shell process substitution
https://medium.com/@joewalnes/handy-bash-feature-process-substitution-8eb6dce68133
In the Beginning... Was the Command Line

In the Beginning... Was the Command Line is an essay by Neal Stephenson which was originally published online in 1999 and later made available in book form (November 1999, ISBN 978-038515937). The essay is a commentary on why the proprietary operating systems business is unlikely to remain profitable in the future because of competition from free software. It also analyzes the corporate/collective culture of the Microsoft, Apple, and free software communities.

Themes

Stephenson explores the GUI as a metaphor in terms of the increasing interposition of abstractions between humans and the actual workings of devices (in a similar manner to Zen and the Art of Motorcycle Maintenance) and explains the beauty of hackers feel in good-quality tools. He does this with a car analogy. He compares four operating systems, Mac OS by Apple Computer to a luxury European car, Windows by Microsoft to a station wagon, Linux to a free lunch, and BeOS to a helicopter. Stephenson argues that people continue to buy the station wagon because it is an illusion.

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Shell Tip 1: Enable colour

Demo Simple Example

- Using three sessions at minicloud with the oldest
  - debian (version 8)
  - ubuntu (version 14.40)
  - centos (version 7)
- All of them already have color enabled (for at least ls): good!
- But we found a Docker image without debian:oldoldstable
Shell Tip 1: Enable colour

Where?

- Globally (if you can)
  - `/etc/bash.bashrc` or maybe
  - `/etc/profile`
- Locally `~/.bashrc` (or maybe `~/.bash_profile`)
- Turn on colour, often simply by removing a comment char
- Or, more easily: Use a recent enough release that does it
Customize your prompt

• Give useful information about
  • account
  • host
  • directory
  • and much more

• Simple Ready-to-Use Examples and more

• Hopefully Next Sunday
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.

INTRODUCTION TO RCPP:
FROM SIMPLE EXAMPLES TO MACHINE LEARNING

(VIRTUAL) R/FINANCE PRE-CONFERENCE TUTORIAL

Dirk Eddelbuettel
5 June 2020

The talk / demo / presentation will be about an hour long, and material should 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.

Source: Blog post at http://dirk.eddelbuettel.com/blog/2020/05/07/rcpp_announce_talk_20200605
Thank you!

slides  http://dirk.eddelbuettel.com/presentations/
web    http://dirk.eddelbuettel.com/
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