INTRODUCING BYOBU

COMPOUNGING MANY SMALL CHANGES FOR LARGER EFFECTS

Dirk Eddelbuettel

T^4 Video Lightning Talk #004
May 31, 2020
Previously we

- Introduced the series with an overview in episode 000
- Episodes 001, 002, and 003 covered shell customization
- And the GitHub repo t4 for comments, questions etc
Introducing ‘byobu’

- A ‘text based window manager’
- A powerful way to have multiple *persistent* sessions
- Ideal for both session over the network
- Or your local setup on laptop or server
Byobu

Byobu is a GPLv3 open source text-based window manager and terminal multiplexer. It was originally designed to provide elegant enhancements to the otherwise functional, plain, practical GNU Screen, for the Ubuntu server distribution. Byobu now includes an enhanced profiles, convenient keybindings, configuration utilities, and toggle-able system status notifications for both the GNU Screen window manager and the more modern Tmux terminal multiplexer, and works on most Linux, BSD, and Mac distributions.

Source: https://www.byobu.org

T⁴ Video
First Steps

- Launch via `byobu` (my default, uses `tmux`)
- Or via `byobu-screen` or `byobu-tmux` to select a backend
- Simplification: we will assume one session only
My main operations

- Help on keys (Shift-F1)
- Menu (F9) and Status Display
- New window (prefix-c)
- Name window (prefix-a)
- Running through windows (alt-left, alt-right)
- DEMO
Other main operations

- Vertical split (Ctrl-F2), Horizontal split (Shift-F2)
- Zoom in/out of split (Shift-F11)
- Rearrange splits (Shift-F8)
- Detach / attach
- Kill terminal ... and resume
- DEMO
Local resource

For completeness, my file ~/.byobu/keybindings.tmux:

```
set -g prefix F12
unbind-key -n C-a
unbind C-b
set -g prefix `
bind-key ` send-prefix
```

This use the backtick instead of Ctrl-b and undefines Ctrl-a (to yield standard bash behavior). Also see the menu launched by F9 and helper script byobu-ctrl-a.
Maybe some more *byobu*

- Session management?
- Other topics?
- Likely 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.

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/
web    http://dirk.eddelbuettel.com/
mail   dirk@eddelbuettel.com
github @eddelbuettel
twitter @eddelbuettel
repo   https://github.com/eddelbuettel/t4