



BYOBU SESSIONS

COMPOUNDING MANY SMALL CHANGES FOR LARGER EFFECTS

Dirk Edelbuettel

7⁴ Video Lightning Talk #005

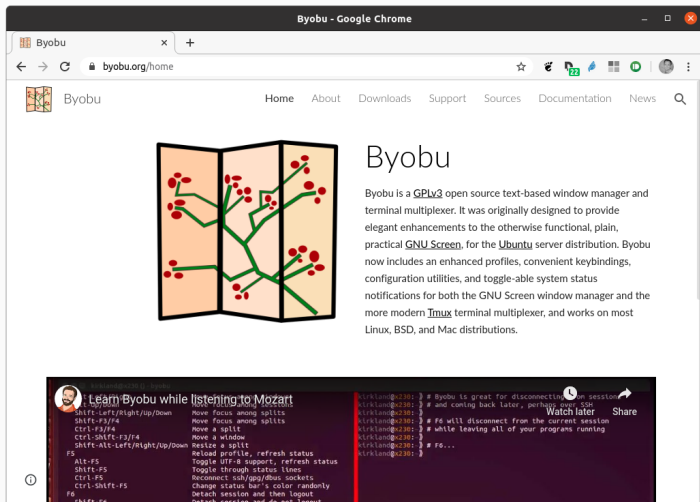
Jun 14, 2020

Previously we

- Introduced the series with an overview in [episode 000](#)
- Episodes [001](#), [002](#), and [003](#) covered shell customization
- Two episodes on byobu in [004](#) and [005](#)
- And the [GitHub repo t4](#) for comments, questions etc

'byobu' Highlights

- 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
- Last two sessions gave examples



Byobu - Google Chrome

Byobu | Home | About | Downloads | Support | Sources | Documentation | News

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.

```
Learn Byobu while listening to Mozart
-----
shift-left/right/up/down  Move focus among splits
Shift-F3/F4                Move focus among splits
Ctrl-F3/F4                 Move a split
Ctrl-Shift-F3/F4          Move a window
Shift-Alt-Left/Right/Up/Down  Resize a split
F5                          Reload profile, refresh status
Alt-F5                      Toggle UTF-8 support, refresh status
Shift-F5                    Toggle through status lines
Ctrl-F5                     Reconnect ssh/gpg/dbus sockets
Ctrl-Shift-F5               Change status bar's color randomly
F6                           Detach session and then logout
Shift-F6                    Detach session and do not logout
```

```
kirklano@x230: ~$ Byobu is great for disconnecting a session
kirklano@x230: ~$ # and coming back later, perhaps you can
kirklano@x230: ~$ # F6 will disconnect from the current session
kirklano@x230: ~$ # while leaving all of your programs running
kirklano@x230: ~$ # F6...
kirklano@x230: ~$
```

Watch later Share

Source: <https://www.byobu.org>

Main operations (last two episodes)

- 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)
- 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

Multiple simultaneous accesses to session (last week)

Managed multiple *concurrent* byobu sessions

- Either by name (preferred, if name given) or session number
- Instead of just `byobu` say `byoby new -s myname`
- Then `byobu list-sessions` lists sessions
- And `byobu attach-session -t myname` re-attaches
- Or just Alt-up and Alt-down to cycle
- DEMO

Maybe something about package installations?

- Review .deb packages from PPAs
- Introduce RSPM and a r-rspm Rocker container
- Likely 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. The repository name is 'eddelbuettel / t4' with 1 Unwatch, 1 Star, and 0 Forks. Below the repository name, it says 'Support repo for T⁴ Video Lightning Talks' and 'Manage topics'. The repository statistics show 1 commit, 1 branch, 0 packages, 0 releases, and 1 contributor. There are buttons for 'New pull request', 'Create new file', 'Upload files', 'Find file', and 'Clone or download'. The commit history shows two entries: 'eddelbuettel Initial commit' (latest commit 21b22f5, 31 seconds ago) and 'README.md initial commit' (31 seconds ago). The README.md file is selected, showing the following content:

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>

THANK YOU!

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