MORE ON BYOBU

COMPOUNDING MANY SMALL CHANGES FOR LARGER EFFECTS

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7th Video Lightning Talk #005
Jun 7, 2020
Previously we

• Introduced the series with an overview in episode 000
• Episodes 001, 002, and 003 covered shell customization
• Saw a first introduction to byobu in 004
• And the GitHub repo t4 for comments, questions etc
Introducing ‘byobu’ again

• 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 week, while long at 12 minutes, felt rushed
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
DOWNLOAD AND INSTALL

Packages

Byobu is available in most major Linux distributions. Generally, you should install Byobu from your chosen distribution's package manager. For instance:

**Alpine Linux**
- `apk add byobu`

**Arch**
- `pacman -Sy byobu`

**Debian**
- `apt-get install byobu`

**Fedora**
- `yum install byobu`

**Gentoo**
- `emerge byobu`

**Mac OS**
- `brew install byobu`

Source: [https://www.byobu.org/downloads](https://www.byobu.org/downloads)
Main operations (from last week)

- 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
Key elements I did not stress

- *Multiple sessions*
- Sessions auto-resizing to the *largest common* size
- Usable wherever a terminal can be used
- Consider DEMO session with
  - a (fake) long running job
  - a watcher screen tailing the log
  - (sample script will be posted at t4 repo)
Another key feature (too advanced for demo)

- byobu uses (by default) one socket
- you can designate a particular socket
- and share ‘write’ permission with another users
- and BAM you have *multi-session multi-user work*
- for *any* application that can run a terminal
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, 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](https://github.com/eddelbuettel/t4)
Thank you!

slides  http://dirk.eddelbuettel.com/presentations/
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mail   dirk@eddelbuettel.com
github @eddelbuettel
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repo    https://github.com/eddelbuettel/t4