

PART OF THE ESS-INTRO (AND T4) SERIES

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EMACS: MULIT-USER

Motivation

- · A lot of love online for how editor XYZ supports multi-user mode
- But ...
- We have been able to do that with standard Unix tools for maybe two+ decades
- · As in Dirk's t4 series it is about combining existing (shell) tools for better use
- Here: tmux, or, if one wishes to, its byobu frontend

EMACS: MULTI-USER

Setup

- · Requirement is multiple accounts on the same machine
- · Back in the day this may have been the departmental or group unix server
- These days it may be a cheap cloud instance, and an AWS/GCS/Azure/DO/... box
- Each participant
 - · needs to be on the box and
 - have access to a shared (i.e. "joint") "named" tmux socket
- · We then "merely" invoke tmux (or byobu) with the named socket
- · Everything running inside the tmux/byobu session can then be shared
- · Including Emacs (in terminal mode) or anything else working in terminal mode

EMACS: MULTI-USER

Simplest Demo (as user edd with uid/gid 1000:1000 on Ubuntu)

We created a *new session* under the identifiable handle 'joint' and gave rw rights. (In real settings you probably want both users under a common 'group' for the joint project and make the socket group rw.)

EMACS: MULTI-USER

Simplest Demo (as user git with uid/gid 1001:1001 on Ubuntu)

```
$ sudo su git # currently only other 'user' on my box
(git) $ tmux -S /tmp/scratch/session attach-session -t joint
```

That. Is. All. The two sessions mirror each other.

So do emacs -nw or R or ... whatever command session you want to share.

Best of all: All the byobu (or tmux) goodness we talked about in t4 works the same way.