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Tmux Tutorial

Accompanying video: https://vimeo.com/307103628/1c05a27e7b

Learning objectives

By completing this tutorial you will be able to

- Describe how to use Tmux to create long running persistent sessions on a unix machine
- Apply this knowledge to using Tmux to run unix scripts and software

What is Tmux?

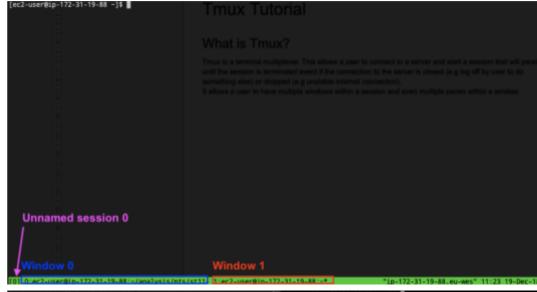
Tmux is a terminal multiplexer. This allows a user to connect to a server and start a session that will persist until the session is terminated event if the connection to the server is closed (e.g log off by user to do something else) or dropped (e.g unstable internet connection).

It allows a user to have multiple windows within a session and even multiple panes within a window. See below for a possible scenario with 2 sessions, both of which have 2 windows and the second named session (eco) has 2 panes within window 1

Unnamed session 0

ctrl-b s to switch

Named session 1: eco













How to use tmux

Login into the server and list available sessions using

tmux ls

It is possible there may be no sessions. To create a new session

tmux new -s <SESSION NAME>

If you want to detach from a session:

ctrl-b d

To reattach to a session. Reattach to the last sesion

tmux a

Reattach to a named session

tmux a -t <SESSION NAME>

To create a new window within the session

ctrl-b c

To show available windows

ctrl-b w

To switch to a a window

ctrl-b <WINDOW NUMBER>

To split a window into 2 horizontal panes

ctrl-b "

To split a window into 2 vertical panes

ctrl-b %

To move between panes

ctrl-b <ARROW KEY>

To switch between pane layout

ctrl-b <SPACE KEY>

Useful links

Cheatsheet: https://tmuxcheatsheet.com/

Cheatsheet for tmux and screen: http://www.david.org/comp/tm.html

Comparison of screen and tmux commands: http://hyperpolyglot.org/multiplexers







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Version Control Table

| Title | Tmux Tutorial | | | |
|-------------------|--|--------------------|-----------------------|-----------------------|
| Description | A document describing how to use the Tmux session multiplexer to maintain multiple sessions on a remote server | | | |
| Created By | Anthony Underwood | | | |
| Date Created | 19th December 2018 | | | |
| Maintained By | Anthony Underwood | | | |
| Version Number | Modified By | Modifications Made | Date Modified | Status |
| 1.0 | Anthony Underwood | First version | 19th December 2018 | First Live Version |
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