

SharkFest '16

tempering tcpdump/tshark



Boyd Stephens

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Complimentary Session(s)

Session 4 – Hahn Auditorium

12:45pm – 2:00pm, Tuesday



T-Shark for the Win

Christian Landstrom



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Complimentary Session(s)

Session 31 – Hahn Auditorium

12:45pm – 2:00pm, Thursday



Using Wireshark Command Line Tools & Scripting

Sake Blok

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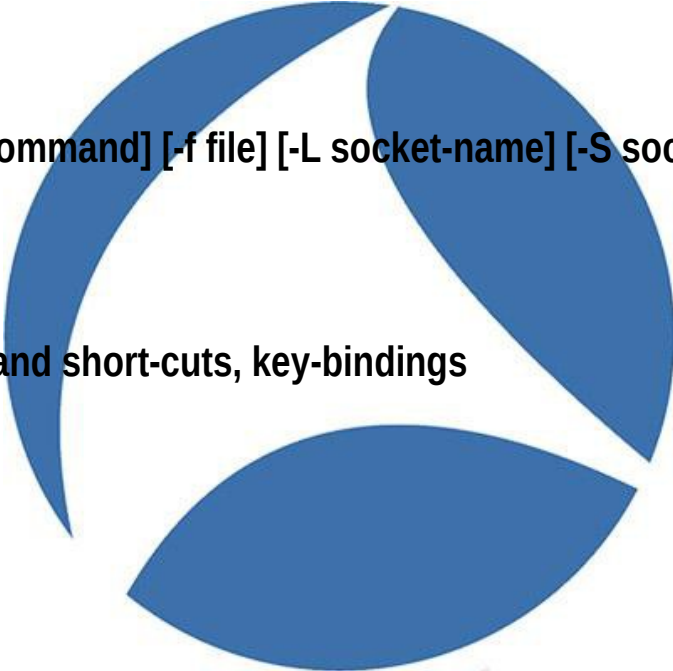
Defining a Few Concepts/Terms

- Sessions
- Windows
- Panes
- Status Bar



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Technical Tid-Bit

- 
- `tmux [-2Cluv] [-c shell-command] [-f file] [-L socket-name] [-S socket-path] [command [flags]]`
 - `tmux list-commands`
 - `tmux commands, command short-cuts, key-bindings`

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creation and navigation sessions, windows and panes

command mode (commands)

- new-session -s, -t
- new-window -n, -t
- attach-session -t
- rename-session -t
- rename-window -t



- select-window -t
- next-window/previous-window
- split-window -v, -h
- select-pane -U, -D, -L, -R
- display-panes
- choose-tree

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existing/detaching, set-options, and key bindings



- detach-session
- kill-pane
- kill-window -t
- kill-session -t

- set-option -g
- set-window-option -g
- prefix and key bindings

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creation and navigation sessions, windows and panes



- list-keys command/prefix
- command mode - (:)
- new-session -s, -t -
- new-window -n, -t - (c)
- attach-session -t - (s)
- rename-session -t - (\$)
- rename-window -t - (.)

- select-window -t - (0-9)
- next-window/previous-window - (n), (p)
- split-window /-h - ("), (%)
- select-pane -U, -D, -L, -R (arrow keys), (o), (ctrl-o)
- display-panes - (q)
- choose-sessions - (s), ()), ((
- where am I - (m)

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existing/detaching, set-options, and key bindings



- detach-client - (d)
- kill-pane - (x)
- kill-window -t - (&)
- kill-session -t (command)

- set-option -g (mode-keys vi)
- set-window-option -g (history-limit n (number of lines))
- [source-file & tmux.conf](#)
- [session:window.pane](#) notation

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more creation and navigation



- zooming – (z)
- transition pane-to-window - (!)
- moving windows between session - (.)
- join-pane -s, -t (command)

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text buffers and copy mode

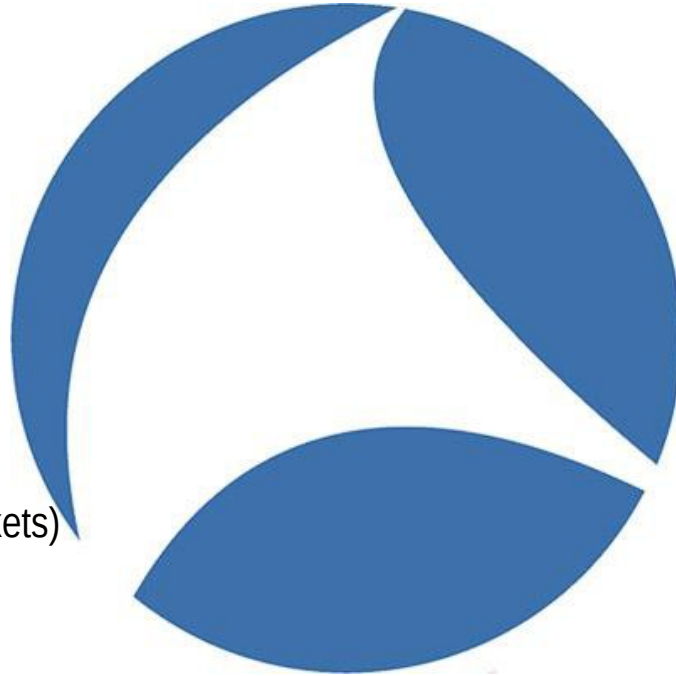


- enter copy mode - (I)
- highlight selection & copy - (space), (enter)
- paste selection - (J)
- capture-pane (command)
- list paste buffers - (=)
- save-buffer -b (command)

- power of mode-key vi (ie h,j,k,l,/,?,g,G,w,b,f,F...)

pair programming/programmability

- `tmux new-session`
`-t oursession -s mysession`
(same user account)
- `tmux -S /var/tmux/pairprog`
(creating tmux session using sockets)
- `tmux -S /var/tmux/pairprog attach`



- very interesting scenario
with multiple ssh users
on a development
box/vm/platform

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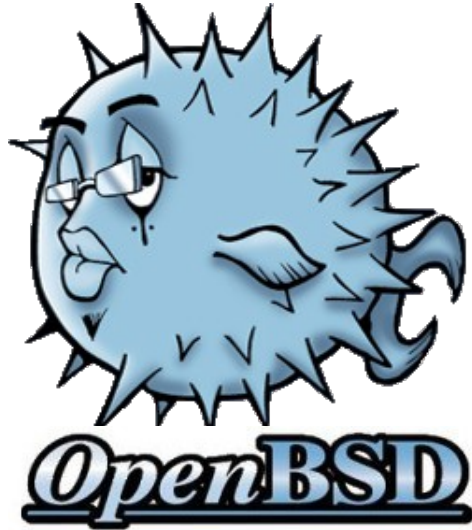
extra interesting tid-bits



- set-option -g visual-activity on
- set-window-option -g monitor-activity on
- set-window-option synchronize-panes on
- send-keys -t session:4.1 'ls' C-m (command)
- has-session -t (command) & shell variable \$?

- prefix - (?)
- man tmux

Special Thanks....



OpenBSD developers and particularly
Nicholas Marriott and the tmux team
subgroup!!

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