

High Performance Computing

Terminal multiplexer

Martin Raum

Starting the tmux

You can start the terminal multiplexer (tmux) with the command `tmux`. This starts a new tmux session.

A yellowish bar at the bottom indicates that you are working inside of a tmux session.

The terminal displayed in tmux session functions like the usual ssh terminal. Effectively you can have access to several terminals, all of which are multiplexed by tmux.

Re-attaching tmux sessions

Tmux preserves sessions. You detach a session (as opposed to exiting the associated terminals) by pressing CTRL-b and then d.

To re-attach a sessions that you previously detached (or got disconnected from) you can provide the argument a to the command tmux.

If you are unsure, you can obtain a list of sessions by providing the argument list -sessions to the command tmux.

Creating panes in a tmux window

A “screen” displayed in a tmux session is referred to as a window. A window can accommodate several panes which are displayed simultaneously by splitting the view along horizontal and vertical lines.

The current pane is the pane in whose terminal the cursor is active. We also say that it has focus.

To split the current pane vertically pressing CTRL-b and then %.

To split the current pane horizontally pressing CTRL-b and then " .

Selecting panes in a tmux window

You can select a pane in the current tmux window by pressing CTRL-b, then q, and then one of the numbers displayed atop of the panes while these are shown.

To cycle focus through the panes of a window press CTRL-b and then o.

To rotate panes and change the focus press CTRL-b and then CTRL-o.