

# Linux software tools

## Cluster provisioning software, including alternatives such as Rocks

Rocks <<http://www.rocksclusters.org> <http://www.rocksclusters.org>> is used by CAC and Cornell's Computer Sciences dept (with CU AD). We instead use warewulf, with torque and maui.

## Puppet, a configuration management tool

Configuration management tool to facilitate managing our (Linux) cluster head nodes, other Linux servers, and our Linux desktops. Works with other OSes (MacOS, Windows), but we'll first focus on Linux.

## Screen and tmux

Terminal multiplexers can manage multiple shell instances, or "windows," at the same time within a single session. They allow the user to detach and reattach terminal sessions, leaving any shells and their subprocesses managed by the multiplexer while detached. And more than one user at a time can simultaneously connect to the same session.