

Optus lca08

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Outline

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1.1 Optus Internet Infrastructure

Optus Configuration Management

- We use all free software
 - except for Radiator and Netapps
- We have about 800,000 ISP customers
- We support about 500 servers
- With from 5 to 12 people
- How do we do it?

Conform

- With Central configuration
- ... and conform.
- Configuration stored entirely in three files as a Perl hash!
- Specify configuration entirely in the machines file
- Software stored in CVS ...
- and as RPMs in our apt repository
- build servers provision installation with Kickstart

Replace a box

- Machines file entry specifies configuration already
- Machine has new disk — kickstart it (uses PXE)
- Run conform on the box.
- All the required RPMs, CVS modules are installed
- All configuration is done completely
- Even the firewall is configured for the applications

Main Points

- No configuration is done locally
- This is system administration done by programming

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