Optus lca08

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Outline

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Optus Configuration Management

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- ▶ 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

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- ▶ 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

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- ▶ 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

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

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