OS X Imaging, Software and Policy Deployment with Linux Services

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Overview

- This workshop will be interactive and hands-on
- These slides should be used as reference materials
- For each topic, we will examine the code and see how it is applied
The long way...

- Manually installing software and settings
- Monolithic imaging
- Personal ownership and AppleCare
Managed Operating Environment

- Software and license management
- Configuration setting policy enforcement
- Printers and other miscellaneous tasks
Initial outlays and longterm costs

- Migration and training
- Hardware
- Maintenance and licenses
Best of both worlds?

- Use existing infrastructure
- Integrate with services already provided
- Require minimal, if any additional training
Network-based Imaging

- DHCP - Apple options
- TFTP - kernel and extensions
- HTTP - Netinstall image
Let’s image

1. Examine the DHCP configuration requirements
2. See how NetInstall images are created
3. Boot our machines off the network
Then what?

- Custom Setup Assistant
- Install combo update and Policy Manager
- Set EFI password, timezone, etc.
- Sync with local ntp time server
- Create universal static accounts, such as administrator
Policy Enforcement

- Policy Manager
- Policy enforcement hooks
  - Startup
  - Login
  - Sleep/Wake
- Update Policy
Redlands Updater

• Application in Utilities folder
• Can be run by policy enforcement hook/s or administrative user
• Polls repository for new packages
Repository structure

- **install**
  - FTP client and setup script

- **postinstall**
  - Any other universally installed packages

- **pool**
  - Location for all other packages

- **dist**
  - Groups and associations
IP octet-based groups

- Example octet-based associations
  - 10 - all machines in organisation
  - 10.6 - all “fixed asset” student machines
  - 10.6.122 - all machines in a particular lab
  - 10.6.122.4 - specific machine
Questions?