Integration of IOS/OSX Devices into an Enterprise Environment

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Who Am I?
Overview

• Logistics of device management.
• Lion Server and Profile Manager.
• Integration with M$ AD networks.
• Push profiles across network.
• Using Casper Management Suite.
• App management and deployment.
Integration of iOS/OSX devices into an enterprise environment

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iPads/Macs are Cool and !Everyone! should have one

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Logistics of device management

- Administration/ HR and Finance (who’s gonna pay for this?)
- Company supplied or BYO?
- Storage and asset tracking?
- Managing Client Expectations
Logistics of device management

MISTAKES
It could be that the purpose of your life is only to serve as a warning to others.
Logistics of device management

No you CANT have an Ipad!

Buy Your Own

but

I might manage services for you!

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Who pays for it .... ?
Managing Client Expectations
Dealing with Assets and Storage
Now back to who pays
How is Management Formed?

OSX Lion Server

Casper Management Suite
OSX Lion Server / Profile Manager

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OSX Lion Server / Profile Manager

Microsoft Active Directory?
OSX Lion Server / Profile Manager

Hints to get you going

• Server Host Names
• Server Ports
• MS AD binding and problems
OSX Lion Server / MS AD...

What is your Name?
• Host Name
• Computer Name
• Local Host Name

```bash
sudo scutil --set HostName your.com
sudo scutil --set ComputerName your.com
sudo scutil --set LocalHostName your
```

```bash
sudo changeip -checkhostname
```
OSX Lion Server / Ports/ Notifications

TCP 2195, 2196
Used by Profile Manager to send push notifications.

TCP 5223
Used to maintain a persistent connection to APNs and receive push notifications

TCP 1640
Enrolment access to the Certificate Authority

http://support.apple.com/kb/HT5302

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The IP address range for the push service is subject to change; the expectation is that providers will connect by hostname rather than IP address. The push service uses a load balancing scheme that yields a different IP address for the same hostname. *However, the entire 17.0.0.0/8 address block is assigned to Apple, so you can specify that range in your firewall rules.*
A problem with AD?

Lion Server: Using the Profile Manager or Wiki service with Active Directory or third-party LDAP services

Summary
Under certain circumstances, Lion Server requires additional configuration in order to use the Profile Manager or Wiki service with user accounts stored in Active Directory or a third-party LDAP database.

Products Affected
Lion Server

http://support.apple.com/kb/HT4837
Casper Management Suite

- **JSS Setup Utility**: Install, upgrade, and manage your JSS and distribution points.
- **Composer**: Build new packages using snapshots, file system monitoring, or from existing installations.
- **Casper Admin**: Upload packages, scripts, and printers and create configurations.
- **Recon**: Acquire Mac OS X computers locally, remotely, or create a QuickAdd package.
- **Recon.exe**: Acquire Windows computers locally or create a QuickAdd package.
- **Casper Remote**: Screen control and management tasks on managed computers.
- **Self Service**: Allow your end users to execute policies on demand.
- **Casper Imaging**: Image hard drives with configurations created in Casper Admin.
Casper Management Suite

- Install Server
- Collect Inventory (via ssh/ARD/image)
- Create software packages
- Create config
- Apply policies to computers
- Auto deploy
Casper Management Suite

Managed Prefs   Apps Packaged

OSX

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Casper Management Suite
Casper Management Suite

Inventory Display View demo
Casper Management Suite

Positives of this system

• Standardise, standardise like you mean it.

• Easy deployment of apps including licensing framework.

• VPP compatible (apparently coming soon???)

• Server-backend can run on Windows.

• Asset tracking like a boss!

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Casper Management Suite

Downsides

• Support staff spend more time packaging apps. Longer lead time to deploy new software/updates.

• Privacy Concerns

• Random conflicts and CPU issues

• License Cost.

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