



World 2012

Integration of IOS/OSX Devices into an Enterprise Environment

QUT

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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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XW12

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 **Y**our **O**wn

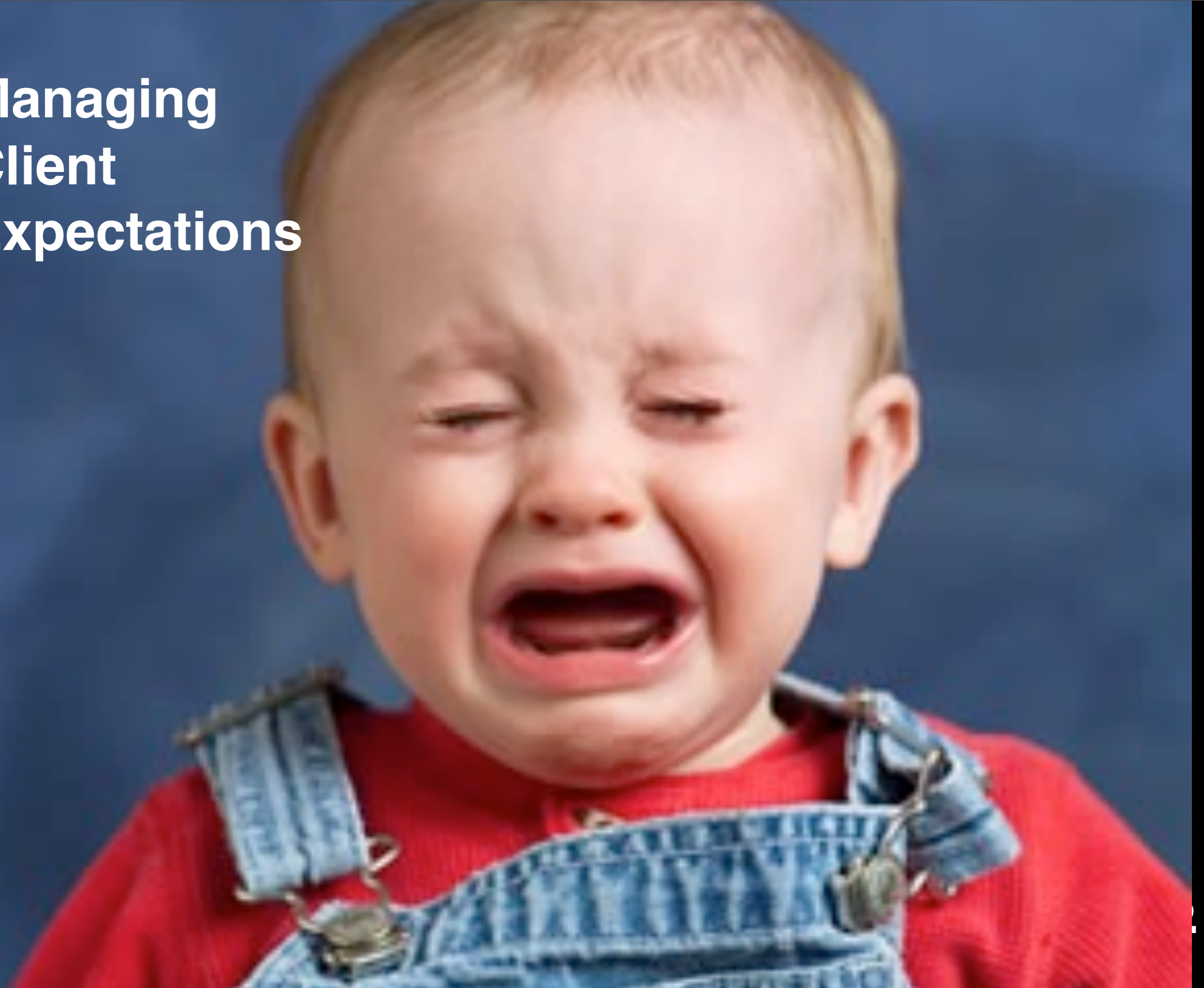
but

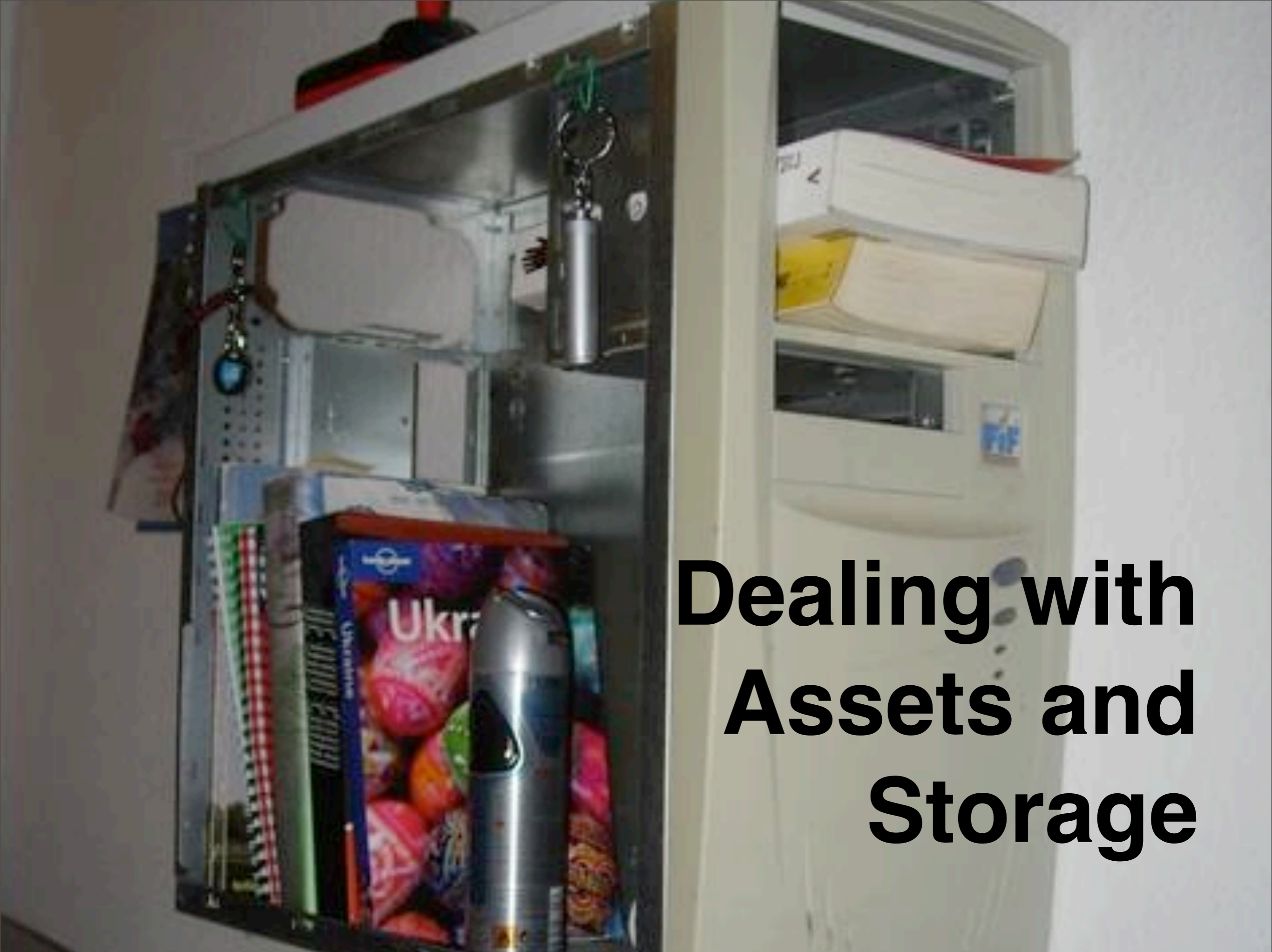
I might manage services for you!

Who pays for it ?

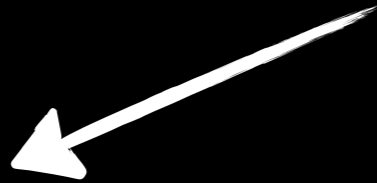
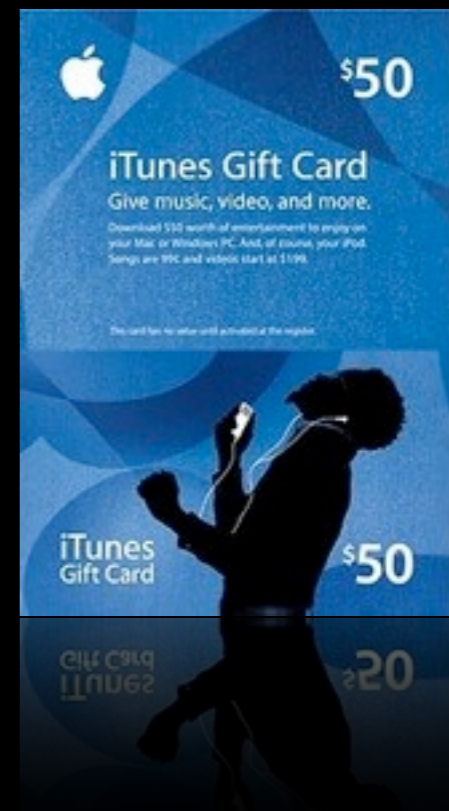


Managing Client Expectations





Dealing with Assets and Storage



Now back to who pays

SEEMS LEGIT



MEMEBASE.com

How is Management Formed?



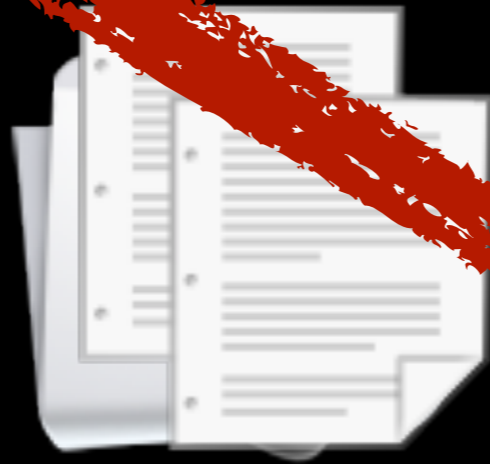
OSX Lion Server



Casper Management Suite



OSX Lion Server / Profile Manager





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

```
sudo scutil --set HostName your.com
```

```
sudo scutil --set ComputerName your.com
```

```
sudo scutil --set LocalHostName your
```



```
sudo changeip -checkhostname
```



OSX Lion Server / Ports/ Notifications

Get an Apple Push Notification Service certificate

The Apple Push Notification Service certificate enables delivery of push notifications for Server across the internet.

Apple ID:

Password:

Need an Apple ID for your organization? [Create one now](#)

Default Configuration Profile

Name: Settings for Everyone

If include configurations for services: All services enabled

Click next to install a push certificate on your server.



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



OSX Lion Server / Ports/ Notifications

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.*



OSX Lion Server / MS AD

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

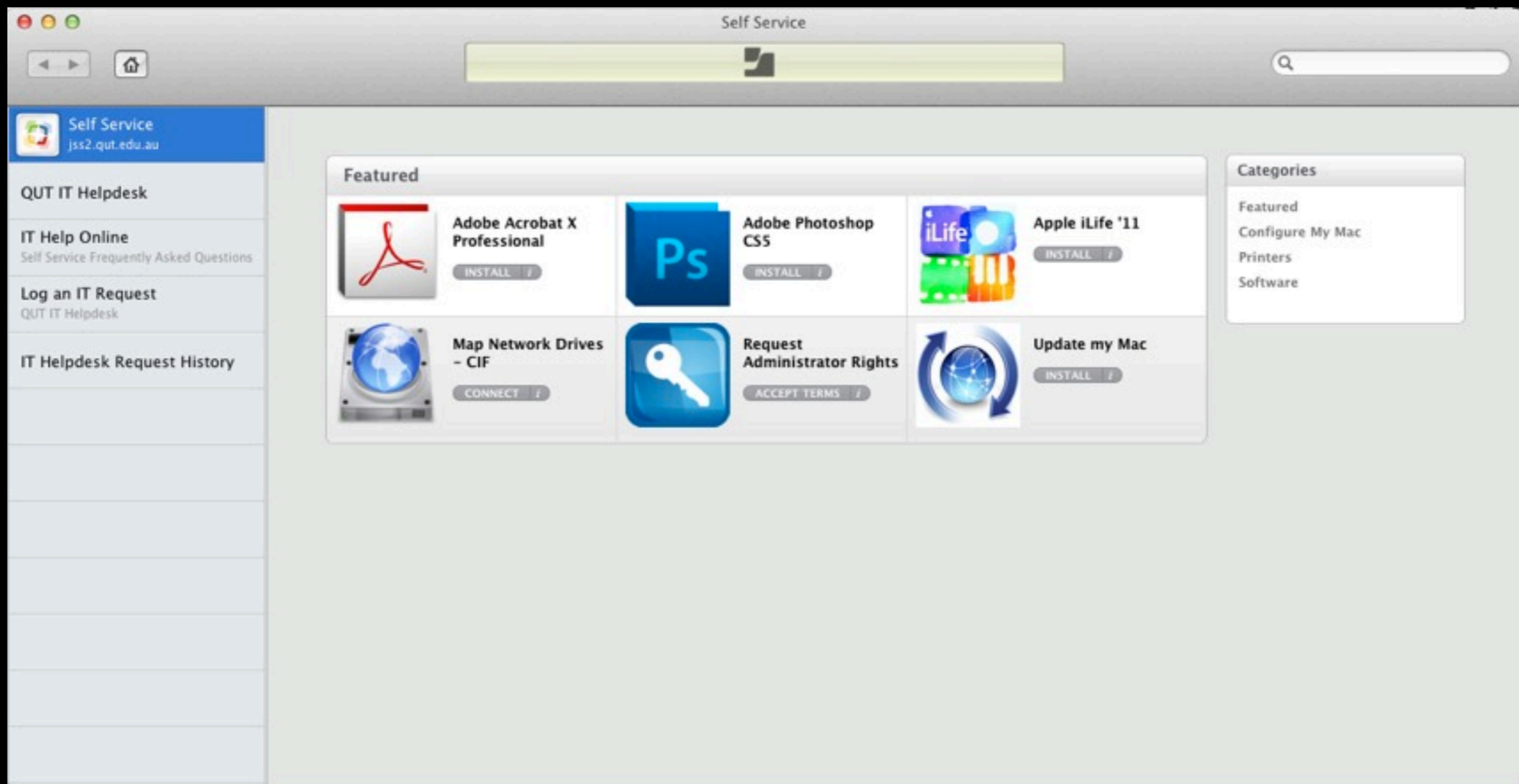


OSX





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!



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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