Managing Macs in Oxford

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Demo

(Show around working MMP machine)

Why do we need a Managed Mac Platform?

- Expanding user base
- Standardisation
- Mass deployment
- Self management
- Resources
- Compliance

Why do we need a Managed Mac Platform?

To enable Mac users to get on with their work without letting the technology get in their way.

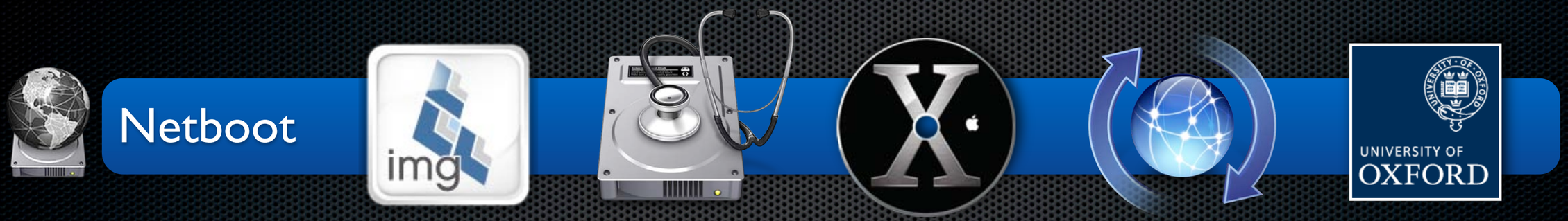
Goals

- Central deployment of Mac OS and third party applications
- User initiated disaster recovery
- Control over administrative access to the system
- Central authorisation / Single Sign On (SSO) for services
- Account lifecycle management
- Weekly patching / updates of OS and installed applications
- A resilient infrastructure that is not dependant on OS X Server

Installation vs. Imaging

- Why did we avoid using a monolithic image?
  - Installing gives broader hardware support
  - Faster turnaround for updates
  - Greater flexibility for software deployment
  - Trade off: Slower than imaging

System build



Reboot

Core apps

Custom apps

Demo

(Erase Macintosh HD and start rebuild process)

How to handle user data?

Partitioning

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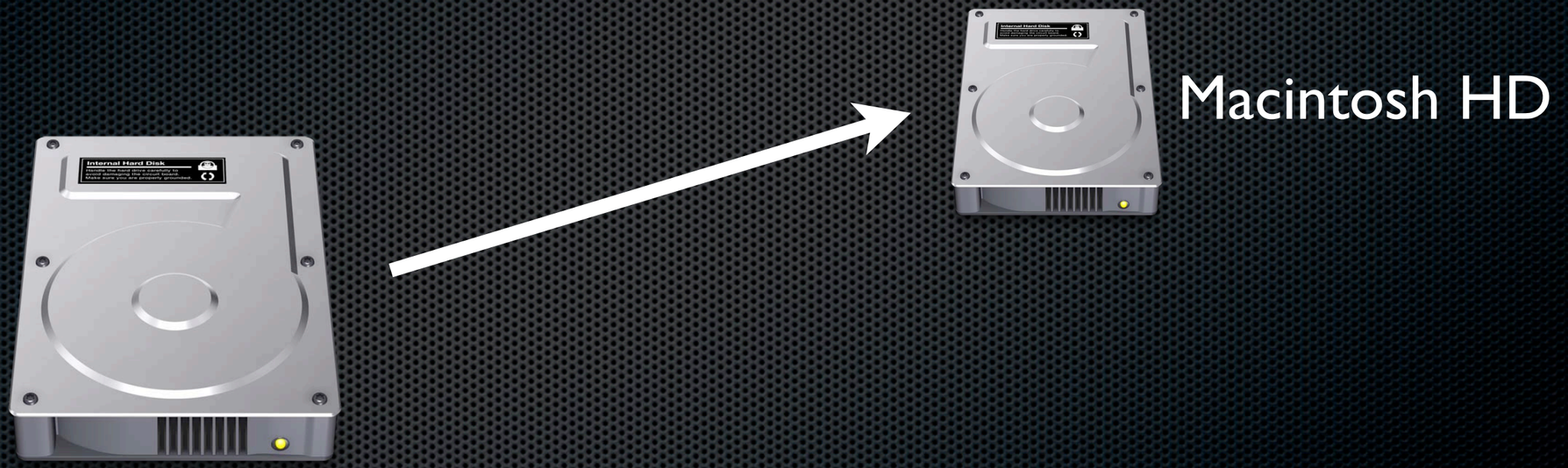
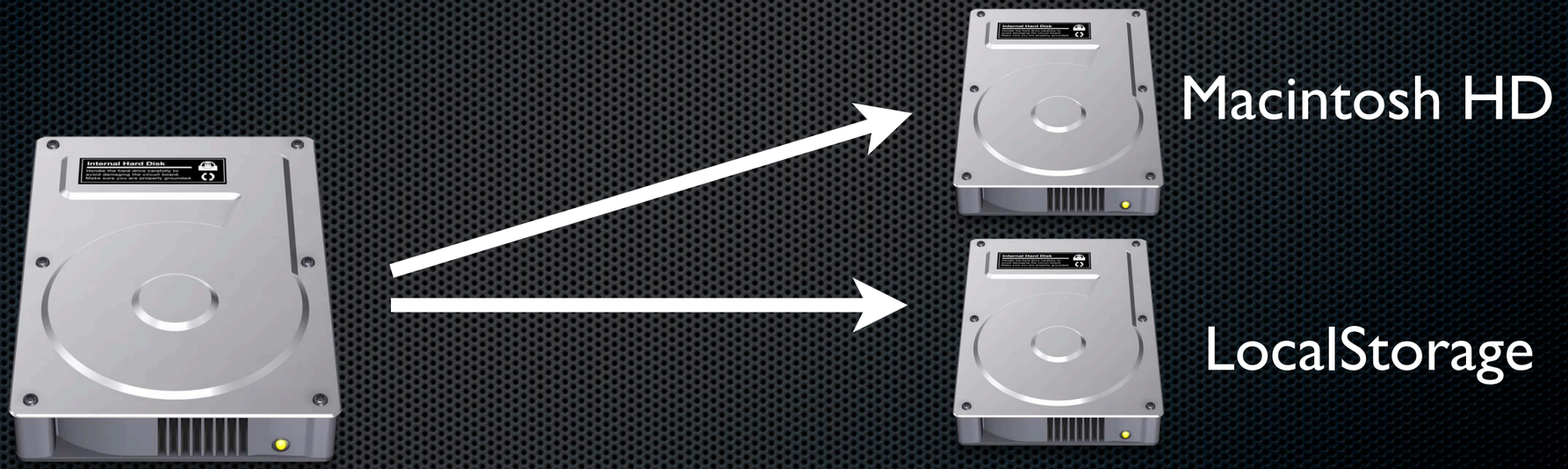
Partitioning



How to handle user data?

Partitioning



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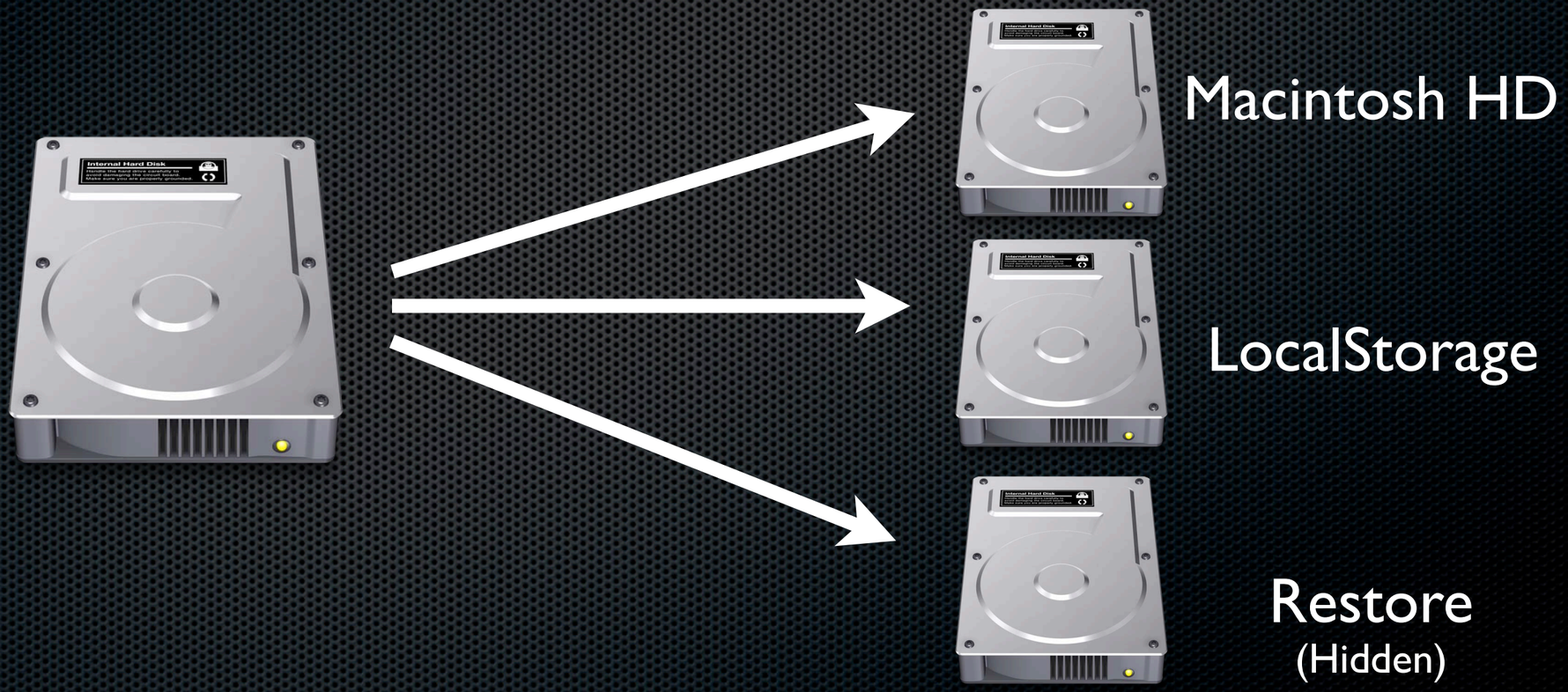

How to handle user data?

User Accounts

Macintosh HD

LocalStorage

Restore
(Hidden)

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User Accounts

Macintosh HD

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User privileges

Static Workstation

Mobile Workstation

User privileges

Static Workstation

Mobile Workstation

Standard user account

User privileges

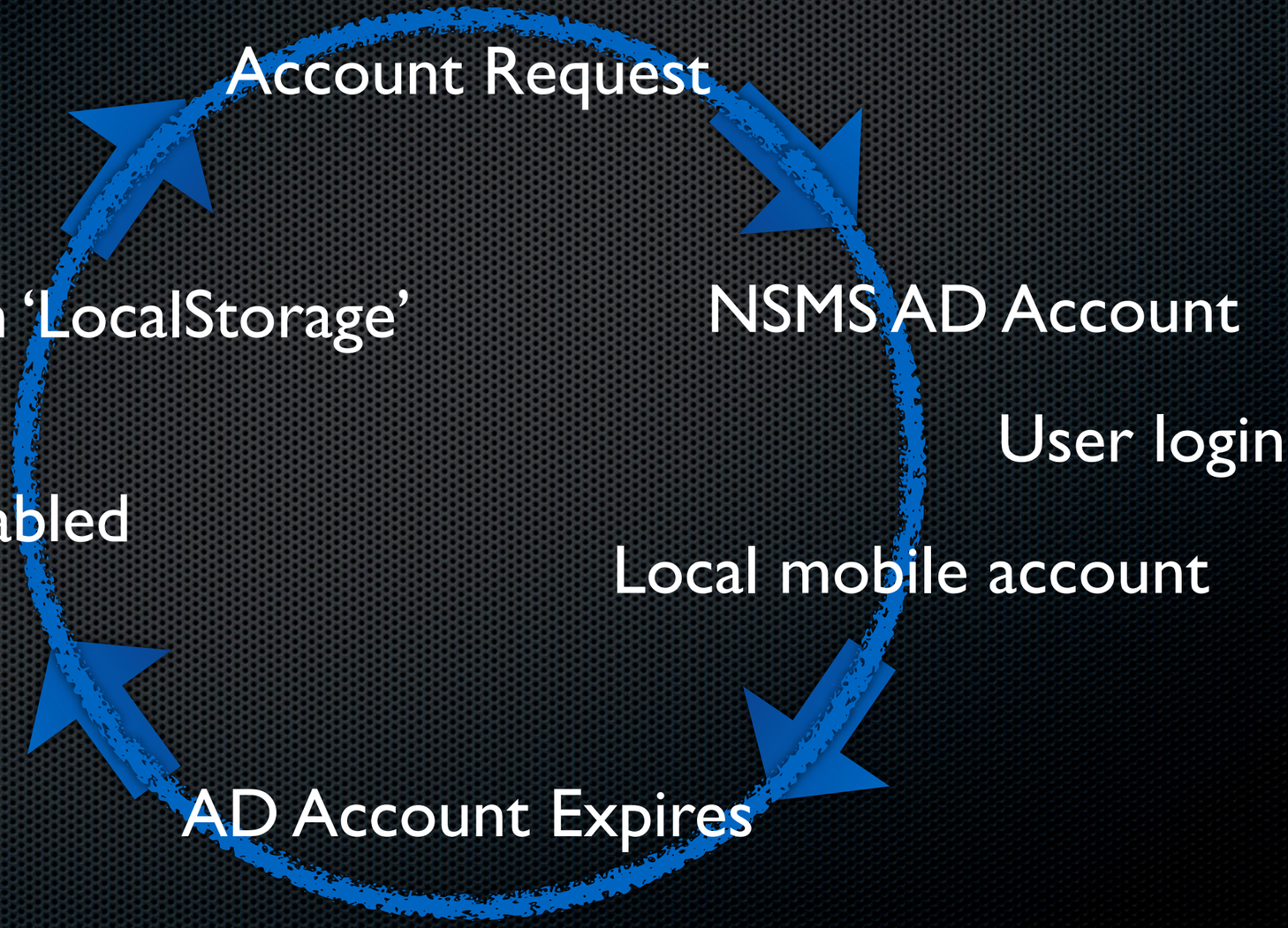
Static Workstation

Mobile Workstation

Standard user account

Admin account (no login)

Account lifecycle management

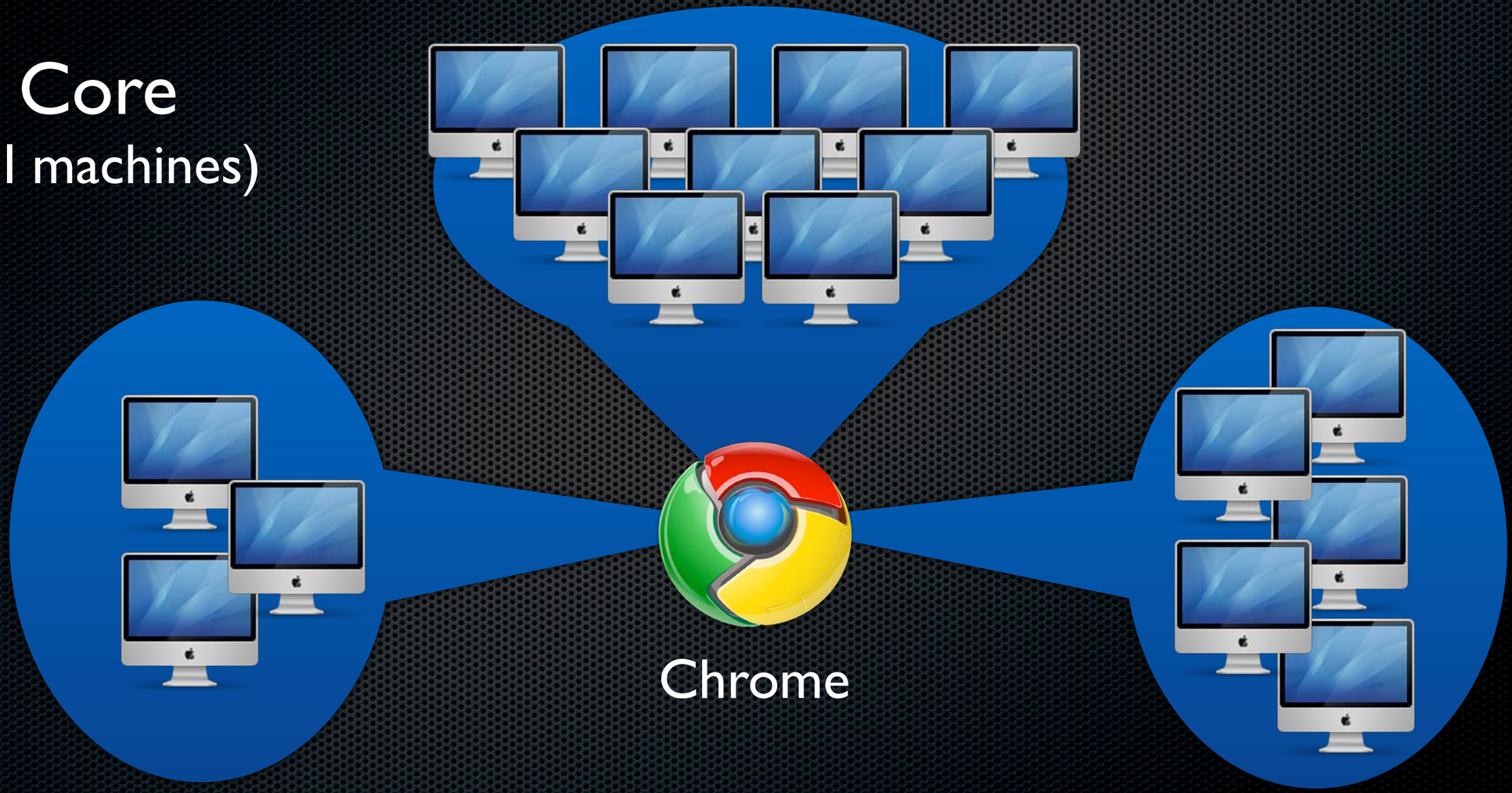


Application classification

Chrome

Application classification

Core
(All machines)



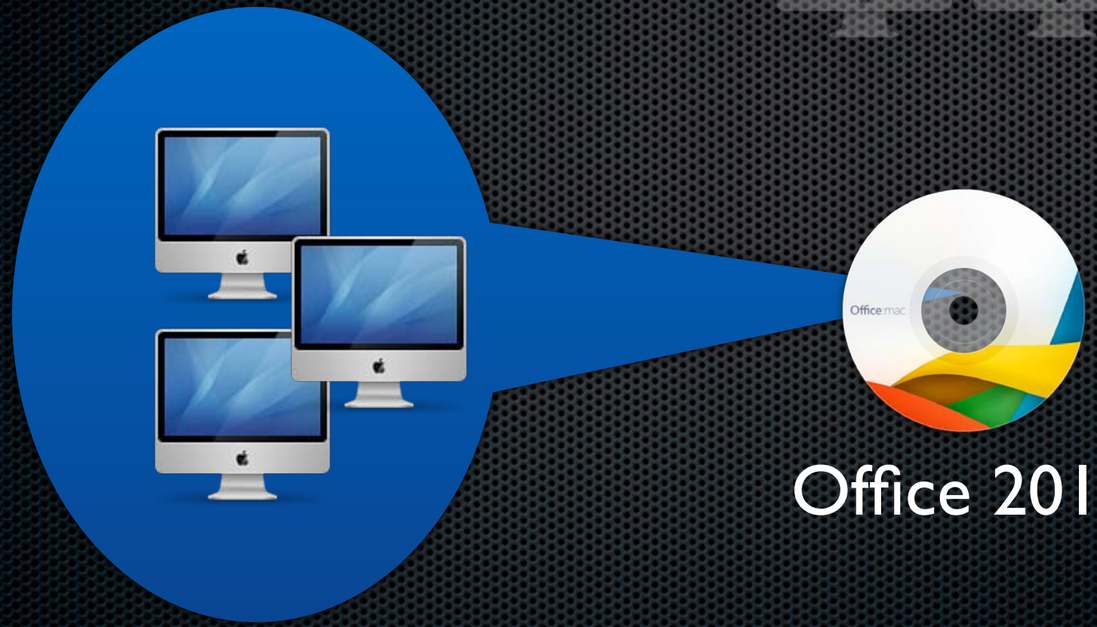
Chrome

Application classification

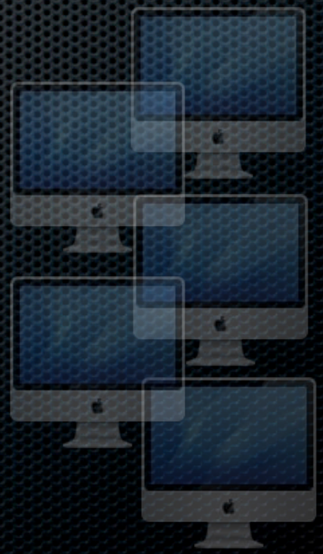
Office 2011

Application classification

By Department

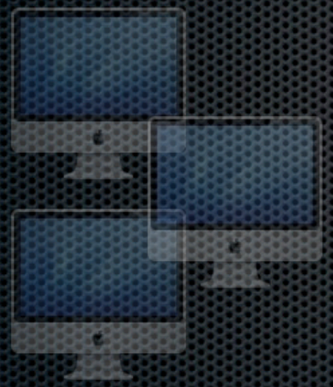


Office 2011



Application classification

By Department



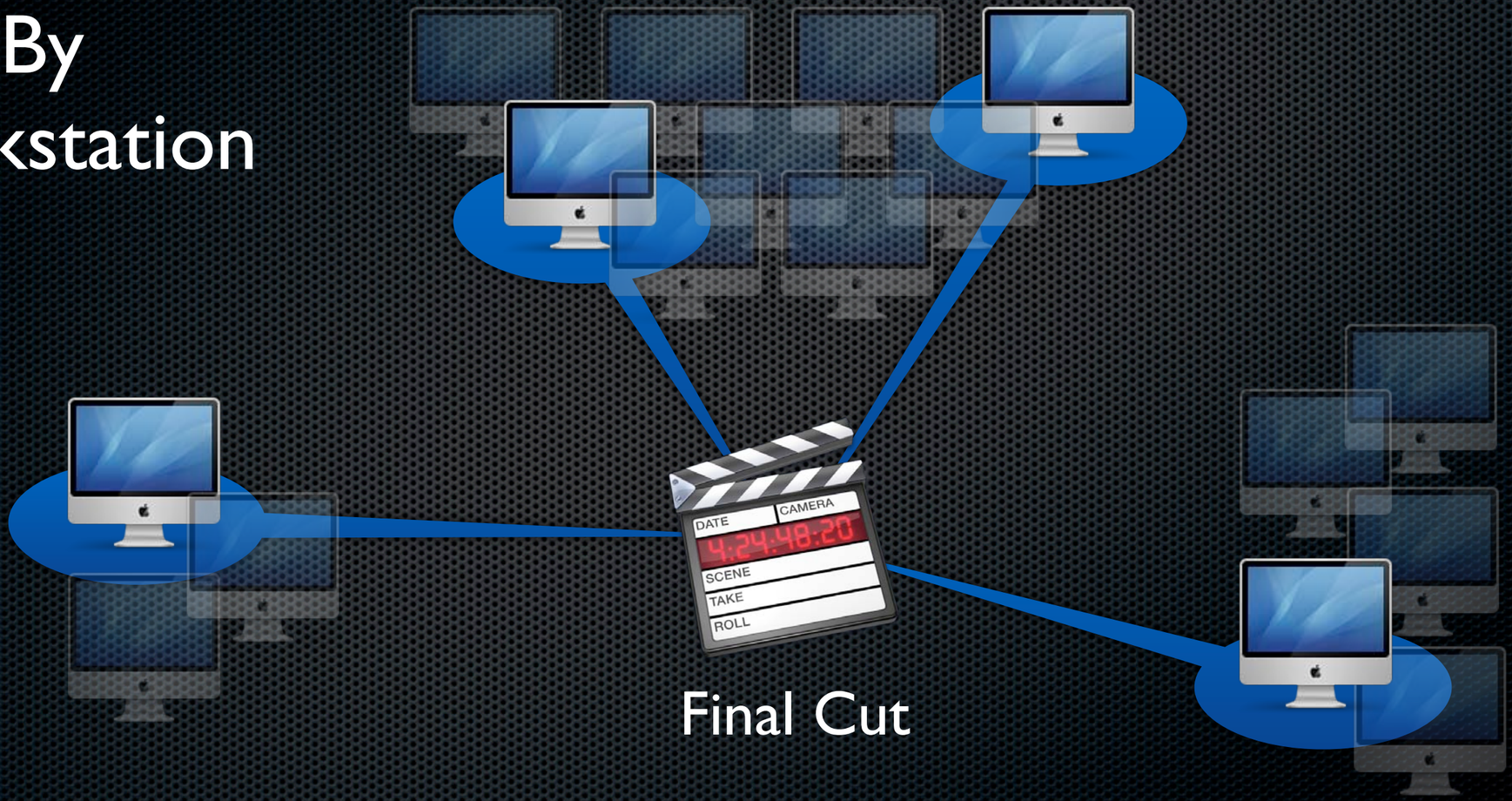
Office 2008

Application classification

Final Cut

Application classification

By Workstation



Final Cut

Version management

10.5

Previous

10.6

Current

Version management

10.6

Previous

10.7

Current

Application deployment

Policy

For deployment at build time or centrally upon request

Self Service

Ad hoc deployment at user request

Demo

(Policy driven install of VMware Fusion and Self Service install of Skype)

Ongoing Updates

- Touch each machine once per week unless there is a critical security patch that needs to be applied
- Be as unintrusive as possible
- Staggered deployment over three days

Demo

(Weekly maintenance example update with Firefox)

(fully rebuilt machine from opening demo with user data intact)

Summary

- Rapid deployment of fully managed workstations
- User account and data management
- User friendly disaster recovery
- Modular software delivery with granular control over deployment
- Ongoing system and software patching
- Inventory and reporting

More information

Information regarding the NSMS Managed Mac Platform (MMP) our SLA and associated charges can be found here:

http://www.oucs.ox.ac.uk/nsms/services/mmp.xml

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