



Queen Mary  
University of London

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Particle Physics Research Centre  
Site Report 2007

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# Last Year (1)

- New Staff: Cozmin Timis
  - Kickstart install of SL3/SL4
    - minimal system + CfEngine bootstrap
  - Preseed install of Debian 4.0 (etch)
    - minimal system + CfEngine bootstrap
  - CfEngine for maintaining Linux servers + workstations
  - Unattended install of Windows XP pro
  - WPKG for maintaining windows desktops
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# CfEngine

- Using subversion to version control all CfEngine configuration.
  - CfEngine controls (amongst others):
    - Package install
    - NTP config
    - yum config
    - ssh
    - firewall (uif)
    - NFS port pinning
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# Unattended and WPKG

## Unattended

- Open source RIS
- Samba or MS server
- DOS or Linux “boot disk”

## WPKG

- WSH .js program
- Deployment only needs a windows share (samba)
- Web based GUI
  - or XML configs

<http://unattended.sf.net/>

<http://www.wpkg.org/>



## Last Year (2)

- Amanda Backup system in place
  - HP DL380G4 server with HP 8 way LTO2 changer
  - 3ware 9500S-12 2TB based RAID recommissioned as storage (from backup)
  - Implemented User Private Groups
  - Solved DRDB problems... by scraping it!
    - Will revisit later this year!
  - Installed Atlas/Grid UI software on SL3
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# Current State

- 4 Debian servers
    - Print, Filestore, Backup/Install, Syslog
  - 2 RedHat servers
    - Web, Mail, \$HOME, NIS
  - 10 Rackmount SL3/SL4 workstations
  - 10 SL4 Desktops
  - 10 WinXP Desktops
  - 20 Laptops (mixed bag)
  - 2 HP Procurve Switches 2810-48G
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# Next Year...

- Sort out email
    - Dovecote/Exim
  - Sort out NIS
    - LDAP / Kerberos ?
  - Sort out Web Server
  - Work on Disaster Recovery
    - Based on Debian live framework
  - Move Atlas software to SL4
  - Investigate OpenNMS for monitoring
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# Questions?

- How do people track Licences?
  - Any comments on Vista with Samba?
    - we are trying to avoid Vista for as long as possible!
  - Any comments on SL5 on desktop?
  - Any thoughts on LVM snapshot performance?
  - Anyone got a clean way of installing Atlas/Grid UI software?
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# That's All Folks...

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