



# Nikhef Site Report

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# Outline



- Organizational
- Windows
- Mail
- UNIX
- GRID
- Agenda



# Organizational

- NIKHEF -> FOM Institute Nikhef
  - National Institute for Nuclear physics and High Energy Physics
  - National institute for subatomic physics
  - logo

# Windows (1)

- Windows Desktop Search (WDS)
  - WSUS
  - Slowing down start-up
  - Firefox
    - slowing down browsing
    - mapped drive only
    - blacklist-\*.xml , bookmarks-\*.html, cookies-\*.txt, localstore-\*.rdf, sessionstore-\*.js, downloads-\*.rdf, prefs-\*.js, extensions-\*.cache, extensions-\*.ini and extensions-\*.rdf (max 9999!)
  - GPO

# Windows (2)



- Windows XP SP2
- Windows Server 2003
- Windows Vista
  - laptops
  - UAC
    - installation
    - usage

# Mail

- Internal / External Mail
  - performance
    - sendmail, jabl, sophos, spamassassin, procmail
  - internal continuity
- LVC
  - head node
    - redundancy (scripted)
  - 2 worker node's
- IMAPd
  - WU 2006k
    - file corruption



# UNIX



- SLC3
  - maintenance SL3
- SLC4
- SL5
- Virtualization
  - VMware
  - web hosting

# GRID(1)



- Tendering (4 Year Period)
  - framework
    - compute
    - storage
    - specifications
    - selected 3 suppliers per category
      - compute: HP, Dell, Clustervision
      - storage: HP, Dell, SUN
  - mini-tender
    - fast delivery



# GRID(2)



- Hardware
  - farm nodes
    - 10k specint2006 rate (base)
    - 51 x Supermicro Twin E5420
      - 4 x Intel Harpertown 2.50GHz (quad core)
      - 32 GB RAM
      - 4 x 160 GB SATA disk
    - 4 racks (power, cooling issues)
  - storage nodes
    - 15 SUN thumpers
    - 320 TB

# GRID(3)

- LHC-OPN (Nikhef-SARA Tier1)
  - router
    - 2 Gb/s -> 10 Gb/s
    - storage pools
- Data Center Talk by Wim Heubers

# Agenda



- CDS
  - security incident
- Indico
  - transition easy
  - maintenance performance
  - size
  - stability
  - VMware virtual machine
    - repaired DB



Questions?