



# Site Report

HEPiX/HEPNT

17 April 2002

Catania

Paul Kuipers

# OS

- Linux RedHat ++ (140)
- Linux SuSE = (10)
- Solaris = (20)
- HP - (5) end 31-12-2002
- IRIX -- (1)
- Windows NT - (120)
- Windows 2000 ++ (40)
- Windows 9x - (30)

# Mail

- Sendmail mail delivery
- /usr/spool/mail -> ~/mbox
- Secure POP, IMAP
- Certificate CNAME (eg imap.nikhef.nl)
- SMTP off-site
  - Configuration SSL Authentication
  - Port forwarding
- Virus scanning

# AFS

- cern.ch
- Demand for worldwide storage
- Pilot /afs/nikhef.nl
  - Selected users ( $\pm 20$ )
  - 6 months
- 2 machines
  - Dual P4 1 GHz
  - 1 GB Memory
  - 120 GB Disk
  - RedHat 7.2 / OpenAFS

# Wireless

- 3 Access Point
  - Antenna
- MAC address checked Radius
- Encrypting

# Security

- Ports closed (but ...)
  - Established Connections only
  - ssh, smtp, pop, imap, http, ...
  - GRID ftp
  - Port <1024
- Telnet
  - Outside
  - Solaris

# Security (2)

- POP, IMAP
- ssh v1 – v2

# EU datagrid

- WP6
  - EU review
    - Storage element
    - Compute element
    - User interface
    - Networking monitor



# Networking (1)

- Datagrid / Datatag
  - BigIron 8000
    - 2 Gb/s NIKHEF
    - 2 Gb/s Chicago (Lambda)
    - 1 Gb/s IPv6
    - Farms

# Networking (2)

- Modified TCP/IP Stack (SURFnet / Chicago)
  - React on packet-loss/congestion
  - Maximum 1 Gb/s / 622 Mb/s
  - 800-900 / 566 Mb/s on 1 GB/s link (UDP)
  - 550 / 80-120 Mb/s on 1 GB/s link (TCP)

# Networking (3)

- IPv6
  - Separate 1 GB/s Connection
  - DNS
  - Farms IP

# Windows

- McAfee -> Norton Anti-Virus
  - Centralized Server
  - Centralized Control
- Update Expert (Evaluating, or SMS?)
- Windows 2000 Profiles
  - TEMP/TMP Variables
  - Netscape 6
  - Recent folder

# Future Plans

- Windows 2000 Server
- Windows XP Desktops
- /data Server Elonex ( x TB)