DESY Site Report

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What's new

- work on DESY Linux 5 progressed substantially
- new user registry has entered implementation phase
- unix mail system was upgraded
- Windows XP migration has entered test phase
...and what isn't

- site wide virus checks on email
- extended to site wide spam tagging
  - well accepted by user community, but continuous monitoring is important
- Heimdal/AFS environment in Zeuthen proved stable
  - Hamburg is preparing for transition, as soon as dependencies in batch & user applications will have been resolved
Linux

• DESY Linux 5 will be based on SuSE
  ➔ mainly on user demand: „no changes now“
• new setup routines in the works (Stephan Wiesand)
• new central software distribution concept
  ➔ primarily driven by need to support notebooks
• for future releases, Debian could well be a candidate even when not strictly 'vendor-supported'
Windows Migration

• high user (group administrator) involvement
• since summer, test of the new domain with selected or volunteered users
• workstations are installed completely via RIS by default
• hard at work to bring full suite of applications online (now: Office, Exceed, SSH, OpenAFS, Acrobat)
• production is planned for January 2004
User Registry

• 'real' work started in April after coarse architecture definition in Q1/2 2002

• full architecture spec completed by June

• development & test environment built (Jboss, STRUTS)

• implementation is underway now:
  communication with XP/2003 domain is in place

• Unix services to follow by end of 2003
Use of F5 switches

• recent mail migration used the switches in high load production for the first time

• users do not see any changes: configs remain but: a new certificate must be accepted in client

• this allows gradual & smooth phasing out of old client configurations

• relieves pressure in user support group
**dCache**

- the software is entering many new sites:
  after DESY & FNAL: SDSC, Uwisc, Karlsruhe, Geneva

- in summer a major upgrade in central HW resources:
  in total 50 TB of cache space available DESY–wide

- Sun Hardware @ linux prices: 20 Fire 210, 4 Fire 240

- Disks in IDE2SCSI for read pools, write pools in FC
Grid activities @ DESY

• centrally supported pool (EDG 1.4) for all HERA groups

• based on SuSe – all necessary software ported

• cooperation with Queen Mary Univ. London for H1–MC theory groups working on ILDG for configurations
dCache has been griddified – in use at FNAL

• joined the EGEE as a cooperating member

• founding member of D–Grid – German interdisc. grid
  with Karlsruhe, Darmstadt, Jülich and others
other presentations

• Helga Schwendicke on 'virus defense' on Wednesday

• Reinhard Baltrusch on 'management of consolidated hardware'

• Peter van der Reest on 'dCache' on Friday

• available in the coffee room: Stephan & Wolfgang
Any Questions?

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Statistics

• ~4000 + ~500 active users in the central user registry
• ~2800 user accounts in the DESYNT domain
• ~3000 + ~500 users in AFS / central NIS

• number of PC-based systems is still rising, but also the number of Solaris systems
• steadily decreasing are X-Terms, SGI and HP

• incoming network traffic at 4 TB/month and growing
Registry

- new core registry as primary data source for
  - accounts
  - groups
  - access to resources
- delegation of administration
- open system, both in usage and in development
- extra systems management functionality under the same GUI
  e.g. disk space quota

Project website: http://www.desy.de/rgypro
eMail filtering

• reducing –hopefully eliminating– spam
• MAILsweeper (Baltimore, ex: Content Technologies)
• spam filter offers account based opt-out functionality
• virus checking on all incoming and outgoing email
• F–Secure
• both running on Windows2000