LAL Site Report

Michel Jouvin

LAL / IN2P3

jouvin@lal.in2p3.fr

Main Resources

100 Go

800 Go

FC

DS20

- NFS
- SMB
- Appletalk
- www
- Mail
- Print

AS 1000A

AS 800 5/500

Electronic CAD
(Sun + Cadence)

Mechanical CAD
(Alphas)

Compaq PWS500

Compaq DS20e

Experiments
Servers
(Dec, HP, Linux)

Gb Ethernet

100 Mb

10 Mb

Xterm

PC

LSF Cluster
(batch + interactive)

SAN Deployment

- Currently : 2 separate fabrics
  - 1 for disk, 1 for tapes
- Should move shortly to redundant fabrics
  - No single point of failure
  - Load balancing between connections with transparent manual relocation
- Future
  - Heterogeneous SAN (Solaris/W2000) ?

SAN Configuration
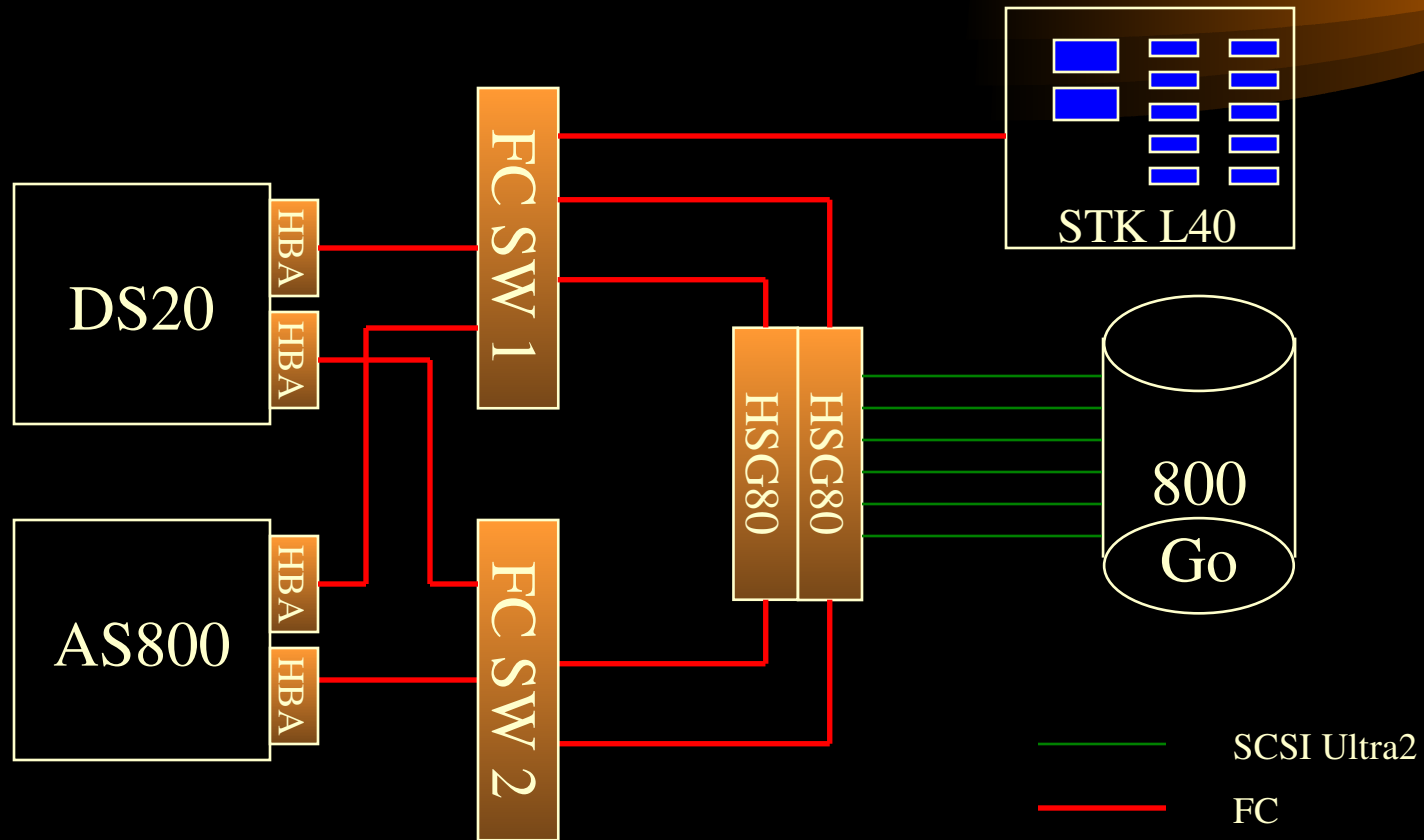
Windows Infrastructure

- Nothing new
- Still growing…
- W2000 very stable
  - Both servers and desktops
- CERN Print Package in production
  - Main problem : ability to add printer without privs
  - Package future ?

Linux (server)

- RH 6.2/Kernel 2.2.18 still in production

- Move to 7.2 started recently (D0)

  – No problem so far

- Hardware

  – Standardized on Dell PE 1x50 (1U)

  – Already 15 units (dual 80Mhz to 1.4 Ghz)

  – Waiting for blade packaging

VMware

- Used to provide Linux on laptops
- VMware version 3.x
  - Integrated NAT
  - Support for 256Gb virtual disk (2Gb in v2)
  - MSI deployment (3.1)
- Virtual machine upgraded to 7.2

IN2P3 ActiveDirectory Project

- Build an IN2P3 wide forest
  - 1 domain per lab
- Aggressive schedule
  - Start a production forest beginning of autumn
- Progressively move NT4 domains to this forest
- 10 labs volunteered to participate
  - LAL is a major contributor with its experience

Distributed Computing Initiatives

- GRID Testbed
  - Cal (Charles Loomis) working FT on Grid
    - Currently Iteam leader, involved in EDG release
  - Testbed currently reduced to main sites
  - Should install EDG 1.1.3 soon
- XtremWeb / Peer to peer computing
  - New version to be installed soon