# GRIF Site Report

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# GRIF: The Numbers

- 6 subsites, 40 SCDB clusters, 1000 machines
  - Mainly grid machines
  - LAL/LLR managing all Linux servers and desktops
  - High level of sharing between subsites
- Quattor server ugraded to SL5 machine
  - Administration possible only from SL5 machines (SVN 1.6)
- "Deploy" phase handled by one server + AII on 1 subsite-specific server (DHCP+TFTP)
  - Main Quattor server is a dual Clovertown 2.33 Ghz (8 cores)
- 1 master RPM server + squid in subsites
  - 10 Gb/s GRIF internal network
  - SPMA configured to use a proxy
- Heavily relying on profile cloning for WNs
  - +15% compile time for 200 WNs
  - Full deploy: ~3-4 minutes

# Quattor Tools Used

- QWG
- SCDB ant + aii
- checkdeps
  - Great help for developping new services
- Quatview
  - not really in production
- All development tools (rpmUpdates, updateComponents…)

# Recent Work/Experience

- OS errata deployment
  - Done 4 times in the last 6 months
  - Able to deploy errata on the whole site in less than a week without shutting down the site
- NagiosBox for Biomed
  - See presentation
- Use of Git as a SVN client for SCDB
  - See SCDB update presentation
- Significant time spent supporting other sites
  - Contribute to QWG enhancements: new use cases, fixes
- GRIF is the main testbed for template developments
  - Nothing goes into QWG without being first in production at GRIF (when contributed by GRIF)
  - GRIF used to validate contributions from others