





IN2P3 Computer Center (Lyon) Site Status Report

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- ►General status
- **▶**Components
 - User Interface
 - Computing Element/Worker Nodes
 - ❖Storage Element
- ► Applications support
- **►**Current/Future work



- ▶EDG v1.2 installed and working in the applications testbed
- ▶ Development testbed being configured
- ▶Full integration with the "normal" production environment
 - User interface machines are the same than non-EDG users use for interactive work
 - Worker nodes are the ones being used for normal production
- ►Site is currently migrating Linux services from RedHat6.2 to RedHat7.2
 - Roughly half of the worker nodes are already migrated
 - 30% of the machines for interactive use are already migrated



- ▶Installed on all the hosts available for interactive use
 - *RedHat6.2: 8 dual-processor PIII-1 GHz, 1GB RAM
 - *RedHat7.2: 4 dual-processor PIII-1 GHz , 1GB RAM
- ►Configured to use the Resource Broker (CERN) of the applications testbed
 - *configuration files for other RBs (CNAF, RAL-Babar, ...) also provided
- ►Script for setting up the EDG environment provided and available with the default PATH
 - ❖edg-ui-setup.[c]sh
 - not automatically executed for every user
 - ❖if a user wants his/her EDG environment automatically configured for each interactive session, he can use edg-autoconfigure once and for all



GRID Component: Computing Element/Worker Nodes

▶EDGv1.2 gatekeeper installed on RedHat6.2

- jobs submitted through it will be scheduled for execution on a worker node running RedHat6.2
- Full integration with AFS (home directories are in AFS)
 - AFS credential renewal also available for jobs (this is standard BQS)
- *A local account per VO was created for execution of EDG jobs
 - Proxy-protection mechanisms implemented
- Mechanisms for traceability implemented in BQS
 - Who (individual) submitted this Atlas job?

►Worker node component installed on all the hosts available for batch use

- ❖RedHat6.2: ~90 dual-processor mixture of PIII-850MHz-1GHz
- ❖RedHat7.2: ~98 dual-processor mixture of PIII-850MHz-1GHz

▶~60 More WNs ordered

*expected availability: November/December 2002



▶For applications testbed, 8 GB per VO has been allocated

currently AFS-managed space, so accessible from every worker node and user interface node

▶Integration of GDMP-HPSS in place and working

- •unfortunately, the data already in HPSS can not be easily accessed through GDMP due to some limitations of the latter
- however, these data are directly accessible through RFIO commands (rfcp, ...) for jobs executing in the sites

▶bbFTP server is also running on this machine

- direct transfer to/from HPSS possible by using grid credentials
- this is currently not possible with gsi-ftpd



- ► Committed to support physics experiments (Atlas, Alice, CMS, LHCb) and biomedical applications
 - ❖ITeam and WPSix are also supported
- ►Alice, CMS and LHCb software is installed
- ►Atlas has problems with relocation of their RPMs
 - ❖a new set of relocatable RPMs is being tested



- ▶Finish configuration of components for development testbed (CE, SE)
- ▶Use disk storage server (IBM VSS) for Storage Element
 - *tests are being performed as I'm speaking
 - benefits: more space, availability and speed
- ▶ Configure a new gatekeeper for use of RedHat7.2 worker nodes
 - *expected ready by the end of this week

Additional Information

▶http://ccgrid.in23.fr

▶http://ccweb.in2p3.fr

▶edg-site-admin@cc.in2p3.fr