

CNAF services and projects status

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Hardware

Hardware at present time:

- 2 twins users' interfaces (bbr-ui and serv08.cr.cnaf.infn.it)
- 4 virtual machines for services (sb_serv01..4.cr)
- 1 server for production analysis development (bbr-serv09)
- 128 TiB of disk space

New hardware for 2012:

- 2 new users' interfaces
- 1 additional server for production and analysis frameworks
- New disk space up to 180 TiB

Services running at CNAF

- Nagios monitor
- Oracle test instance for Phedex evaluation purpose
- Dirac system instance for evaluation purpose
- Ganga analysis distributed framework
- Production system + web portal
- DBs for productions bookkeeping and analysis bookkeeping

Nagios monitor

- Site status monitored by NAGIOS
 - <https://sb-serv01.cr.cnaf.infn.it/nagios/>
- Checks performed on lcg-CE, CREAM-CE and SRM
 - EGI standard checks on job submission (direct and through CREAM), replica tests from WNs and direct to SRM
 - superbvo.org specific test to be added
- Status stored in an external DB in order to prevent job submission to problematic sites (as present in the high level scenario)

PhEDEx generalization project

- Action in standby, nothing new wrt the last collaboration meeting
 - Oracle test instance ready
 - Hardware and software requirement provided
 - One machine available for service installation
 - Lack of people for a CMS-SuperB collaboration

Disk space

- 128 TB available
- 180 TB for the end of April in time for the next SuperB production
- Disk space with quotas
 - *users*: 16.5 TB → cleaning campaign and reduction
 - *production*: 55 TB → to be removed
 - *analysis*: 0.5 TB → to be increased
 - creation of a *scratch* for the analysis purpose

CernVM-FS

- Right now the software installation is performed locally at every site submitting a job who retrieves the new releases from a repository
- CNAF will provide CVMFS system for non LHC experiments: it removes the need for local software install jobs
- CNAF declares the CVMFS server installation within March. Setup and test of the first client server system at CNAF would need one month

Storage access

- 2 StoRM storage areas
 - prod area
 - analysis area
- 4 VOMS roles
 - ProductionManager
 - SoftwareManager
 - Analysis
 - NULL

	prod	analysis
PM	r/w	-
SM	r	-
A	r	r/w
NULL	r	r/(w)

HTTP/HTTPS data access

- Test for HTTP data access is in progress in collaboration with StoRMers at CNAF
- A first test instance is present with the installation of distributed gridhttp
- Web interface (Webdav) data access

END

High level scenario

