Distributed system updates

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Outline

- Distributed resources status

- OSG support

- Nagios per VO

- Production system

- Ganga use case analysis

- Database works update

- Dirac evaluation

- Meeting table: http://superb.infn.it/restricted-distributed-computing

Distributed resources

◉ VO enabling operations at remote sites

- **McGill:** SE configuration in progress

- **SLAC**: new SE machine setup for SuperB, test are in progress

- **Caltech**: problem at SE access, fixing in progress

- **Fermilab**: sw area setup and BDII publishing ongoing

- **Catania**: work is still pending

◉ Full distributed resource testing phase

- ~1/3 of the sites results misconfigured

    – Testing, fixing, reinstalling, contacting are in progress

    – Me + Matteo Manzali

OSG support

- Since 3 months a meeting with OSG support people is in place
  - **Participants: G.Garzoglio (OSG support leader), S. Luiz, M.Slyz**
- Goal of the work is make the SuperB requirements fits with OSG computing infrastructure, help in VO enabling
  - **Authentication, resource setup, training**
    - OSC site: setup of OSG components
    - Fermilab/SLAC/Caltech interface
    - Brasilian sites and in general other OSG sites enabling works are in standby

Nagios per VO

- Nagios per VO service is up and running at CNAF

- Interoperability with new VO dashboard portal has been tuned

- Still some bugs unresolved impacting xml configuration file

  - A solution is expected by EMI2 releasing (May 20th)

Production system

- Porting of framework code permitting interaction with new PostgreSQL bookkeeping DB, done

- New dataset interface and job submission monitor features development is completed and tested

- New monitor features related to Logging and Bookkeeping service interactions have been completed

- Unique developer: Matteo Manzali

Analysis framework

◉ Development of remaining basic functionality is on course

◉ Stress test planned within Elba meeting

◉ SuperB ganga plugin passed the code review session with Ganga developers occurred on May 2nd

◉ SuperB plugin code resides now on official Ganga project SVN

- **Few modification to the code will permit a complete integration with official Ganga release, in progress**

◉ Need physics user feedback --> Elba meeting training session

◉ Tutorial page completed:

- http://mailman.fe.infn.it/superbwiki/index.php/Tutorial_%28draft%29

- **Off topic: need a backup of SuperB wiki contents**

Database works update

- Porting from mysql to PostgreSQL information system completed

  - **Stress test performed, results are excellent**

- A quality check in terms of Normal Forms analysis is in progress

  - **A list of problems has been released**

- FastSim production will use PostgreSQL backend, FullSim is still using MySql

Dirac evaluation

- New Dirac installation has been setup at CNAF on sb-serv04

  - **New Dirac release has been installed**

    - Better documentation, improved configuration workflow, the entire system has moved to a more general design in terms of VO requirements

- On June 7th Dirac training workshop, Bruno Santeramo is trying to participate

- Work in progress: Mass data transfer test, direct submission