OSG Support
for Atlas and CMS Tier-3s

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Joint Atlas, CMS, OSG Tier-3 Session

OSG All Hands Meeting

March 2010

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How does OSG support the Tier-3s?

- Support for Atlas T3 Liasons
  - Doug Benjamin, Rik Yoshida (Atlas)
  - Rob Snihur (CMS)
- Direct support for T3 Admins
- Software Integration & Testing
- Baseline Documentation (~bare metal)
- Security Support

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OSG support for T3 Liaisons

- T3 Liaisons set the Direction
  - Atlas (partial list):
    - Focus on Client-based installation
    - Support the Canadian Toolkit Packaging
    - Atlas specific documentation set (kickstart, …)
    - XROOTD integration & testing in VDT
  - CMS (partial list):
    - Simplified/Focused Documentation for T3s
      - Bare metal build, Condor setup, step-by-step
    - Support for testing of multiple file systems
- Regular coordination meetings

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Direct Support for T3 Admins

- **#1 piece of advice for T3 Admins:**
  - *Join the OSG site support mailing list !*
  - osg-sites@opensciencegrid.org

- Install Help Procedure
  - https://twiki.grid.iu.edu/bin/view/ReleaseDocumentation/InstallHelpProcedure

- OSG Hands-on workshops (do we need more?)

- OSG Office hours (Experts Available)
  - Weekly Campfire Chats
  - Tue, Wed, Fri – 11am – 2:30pm Central
  - https://twiki.grid.iu.edu/bin/view/SiteCoordination/ChatCalendar
  - Tackle Site specific problems

- OSG participation at T3 Meetings

- Ticketing Support for Resolution Tracking

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Integration & Testing

- WLCG Client integration & testing
  - Atlas Canadian T3 Packaging system
- Xrootd
  - Package Xrootd, Xrootdfs, gridftp-xrootd
  - Certified new releases for Xrootd
  - Maintain Bestman Gateway – Xrootd test stand
  - Run certification tests across the system
    - Copy, remove, create, dir list, …
    - Handle Static space tokens
- Documentation, Tutorials, Help w/Users
- GridFTP Storage Element Documentation

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Baseline Documentation

- OSG Documentation previously assumed that system was configured with batch scheduling system.
  - New T3s need help from bare metal (NFS, Condor,...)
- Worked with Atlas and CMS to write a baseline T3 Guide
  - Simplified configuration/setup
  - Step-by-step instructions & site planning help
  - Condor installation
- https://twiki.grid.iu.edu/bin/view/Tier3/WebHome

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Support Atlas/CMS Doc Efforts

- Malina Kirn has excellent ROCKS based documentation for CMS
  - http://hep-t3.physics.umd.edu/HowToForAdmins/index.html
- Doug Benjamin & Rik Yoshida also have base documents for Atlas
  - Docs changing as shift to Atlas Worldwide T3 Perspective & new packaging system
  - https://atlaswww.hep.anl.gov/twiki/bin/view/UsAtlasTier3/Tier3gSetupGuide

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Security Support

- Top Five Security Items:
  - Every site needs a Security point of contact
  - Know and work with local security organization (OSG will help!)
    - osg-security-team@opensciencegrid.or
  - Keep systems patched. Info at:
    - http://osgsec.blogspot.com/
  - Pay attention: You know your site better than anyone else.
  - Keep VDT software up to date

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OSG Support for Physics (Partial list)

- Resource Provider for Physics
- VDT Configuration, testing, distribution
- Documentation, Software Support
- Grid Operations Center
  - Site Monitoring
  - Ticketing
- Production monitoring/problem solving
- Working with the larger Grid community
- WLCG, LHC interaction

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OSG Contact Points

- Osg-sites@opensciencegrid.org
- Osg-security-team@opensciencegrid.org
- Osg-storage@opensciencegrid.org

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What are we missing?

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