OSG Software and Operations Plans

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State of OSG Software Stack

- ## Currently OSG 1.0

- ## Based on VDT 1.10.1

- ## Patch level indicates 19 updates
  - – Security updates
  - – Bug fixes
  - – Some new software (like LFC, XRootd)

- ## We have pushed on providing lots of incremental updates

Some Recent Changes

- **Creation of Software Tools Group**
  - Monitors internal software development
  - Works with external software providers
  - Goal: Ensure we have the "big picture" of software in our heads, and that it meets needs of stakeholders (like you)
  - Problems with software? Talk to us.
- **Full support for Bestman and Xrootd**
  - Requested by ATLAS
  - Can use both together, or individually
  - Is it of use to CMS?
- **Addition of LFC**
  - Requested by ATLAS
  - Is it of use to CMS?

Short-term plans

- **Currently testing significant update on ITB:**
  - An incremental update, but heavily tested on ITB
  - Updates to Globus, authorization, GIP, and more
  - No individual change is "scary" but accumulated set requires ITB testing
- **VDT Updater**
  - Today, it's too hard to apply VDT incremental updates
  - VDT Updater will make it easy to keep OSG software stack up to date.
  - Nearly finished with internal testing: hopefully available when current ITB testing is finished.

Medium Term Plans

- ## VDT 2.0
  - Due in late March 2009
  - Adds support for Debian 5 on behalf of LIGO
  - Begins to add support for native packaging.
- ## VDT 2.0.1 & OSG 1.2
  - Significant improvements to Pacman packaging to better support incremental updates
    - Particularly to allow addition of new platforms.
    - Very few other changes: they will be incremental updates
  - Due in May 2009
  - VTB/ITB testing, May/June
  - OSG 1.2 release July 1, 2009
    - In time to deploy before September LHC restart.

Operations Recent Changes

- ## Updates to BDII
  - Redundancy in place
  - Version update

- ## Updates to Ticketing
  - New public viewer interface
  - Ticket submission mechanism
  - Ticketing Exchange with GGUS

- ## Updates to OIM
  - Gratia reporting
  - Science discipline reporting

Short-Term Future

- ## MyOSG
  - Consolidation of more information

- ## OIM V2
  - Mostly behind the scenes
  - Change tracking
  - Ownership interface

- ## RSV V3
  - More probes
  - Management interface

- ## More Ticketing Functionality

Medium-Term Plans

- Deprecation of VORS
- SLAs
- Survivability Mechanism
- Operations Efficiency Tools

Questions?

- Questions about OSG's software or Operations plans?