

Report on the state of OSG Software

Alain Roy



Points to discuss

1. State of RPM transition
2. State of last scheduled Pacman release
3. Bestman
4. Management



1. State of RPM transition

- Completed, tested/testing:
 - Xrootd
 - Bestman
- Complete, ready for internal testing:
 - Worker Node Client
 - Client
- Close to internal testing:
 - VOMS/VOMS-Admin Server (~ 1 week?)
- Good progres:
 - CE (2-3 weeks?)
- What remains? Next slide...

Major remaining tasks

- Major missing chunks:
 - GUMS
 - CREAM
 - Gratia collector
- Internal test framework
- Integration testing
- Documentation



Build Fest: Main Results

- OSG Software Team up to speed on infrastructure & how to make RPMs
- Team building: first time all of us worked together in person



Build Fest Stats

- Wednesday July 20 – Friday July 22
- 208 commits to source code repo
 - About 20 new RPMs
 - Many others improved/fixed
- 13 attendees (some part-time)
 - Alain, Alex, Brian, Dan, Derek, Doug, Igor, Marco, Neha, Scot, Suchandra, Tanya, Tim

2. State of last scheduled Pacman release

- Went to:
 - VTB on July 14
 - ITB on July 15
- Slowed down in ITB
 - Cooling failures at Fermilab took down one ITB site
 - Horst's travel delayed one ITB site
- Expected release:
 - Early August—hopefully first week



3. Bestman

- Ruth asked:

What is your understanding of the current requests from OSG stakeholders for Bestman2 features, development and bug fixes?

- No outstanding requests from OSG
- Alex is unaware of ATLAS improvement mentioned by Ruth (better asynchronous request handling)
- Request to move SRM from GSI to SSL: a WLCG request, not an OSG request



4. Management

- Weekly meetings with ABCD
 - Have been very helpful in improving team organization
- Unified OSG Software Team
 - Weekly team meetings
 - Storage subgroup (mostly) faded
 - Unified task tracking
 - Improved understanding of staff effort
- Still to do:
 - Unify support efforts
 - New process for tracking of requirements
 - Will have public, accessible list of requirements,
 - Will discuss at least once a month
 - Will work on details/technologies with ABCD

Extra information, if needed



RPM Stats

- 75 source RPMs in VDT repo
- O(30) source RPMs to go
 - Some harder than others
 - Imprecise because we've discovered a few missing pieces, like Globus SEG.



Open Science Grid

Year 6 Staffing: 8.05 FTE

| Person | Total Software Time | Duties |
|-----------------|---------------------|-----------------------|
| John Hover | 25% | Integration/Packaging |
| Xin Zhao | 25% | Integration/Packaging |
| Doug Strain | 50% | Software |
| Neha | 50% | Software |
| Alex Sim | 40% | Storage/Bestman |
| Igor Sfiligoi | 50% | Software/Evaluations |
| Jeff Dost | 15% | Hadoop integration |
| Alain Roy | 100% | Management |
| Matyas Selmecsi | 100% | Software |
| Scot Kronenfeld | 25-50%? | Software |
| Tim Cartwright | 50% | Software |
| UW TBD | 100% | Software |
| Suchandra Thapa | 100% | Integration |
| Haifeng Pi | 10% | Evaluations |
| Sanjay Padhi | 20% | Evaluations |
| Terrence Martin | 20% | Evaluations |



Note from Alex

We'll be probably charging 30% FTE (this number can vary depending on Arie's analysis) for the OSG support (and bug fixes, etc) to stretch the remaining OSG funding until Dec. 2011. There are no additional bestman fundings for developments or features currently.