

Gratia Report for Quarterly Stakeholders/Providers Meeting

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Review Outcome

- Gratia should be a strategic service of the Fermilab Scientific Computing Division.
- Formalize project structure and reporting lines
 - OSG software team vs Gratia support
 - Open source contributions
 - Outreach and common activities
- **Develop stakeholder/providers meetings to establish priorities and communicate results**
- Develop Cloud infrastructure and Storage accounting (AAA/FAX) and propose such as common contributions (OSG, Campus Grid, WLCG).
- Establish validation, testing and integration infrastructure at production scale (cooperation between development and operations)
- Improve installation documentation

Based on our estimations it would require 1 additional FTE to implement these recommendations.

STATUS

Production Upgrade

- All production instances (Fermilab & OSG) have been upgraded to current rpm version
- The upgrade went smoothly , max downtime for osg-transfer instance took 5 hours (database upgrade).
- Subsequent upgrades should be much simpler.

OSG-XSEDE

- Allocation usage now is summarized in production
- New report is generated weekly, maps usage with osg-xsede allocation
- Gratiaweb now is capable to show information related to Project

OSG-XSEDE Report

OSG-XSEDE Report for 2013-1-1 - 2013-02-22

Project Name	PI	University	Science Domain	Hours
XSEDE				
TG-ATM130009	Phillip Anderson	University of Texas at Dallas	Atmospheric Sciences	9,423
TG-IBN130001	Donald Krieger	University of Pittsburgh	Integrative Biology and Neuroscience	1,825,566
TG-PHY110015	Pran Nath	Northeastern University	Physics	1,034,652
XSEDE Total				2,869,642
OSG-VO				
CSIU	Samy Meroueh	Indiana University School of Medicine	Chemical Genomics and Drug Discovery	1,420,799
RIT	Alexander Arlange	Rochester Institute of Technology	Ramsey Numbers R(C4,Km)	137,179
OSG-Staff	OSG Staff	Various	Testing & Integration	6,584
OSG-VO Total				1,564,562
Grand Total				4,434,204

OSG-XSEDE Plots

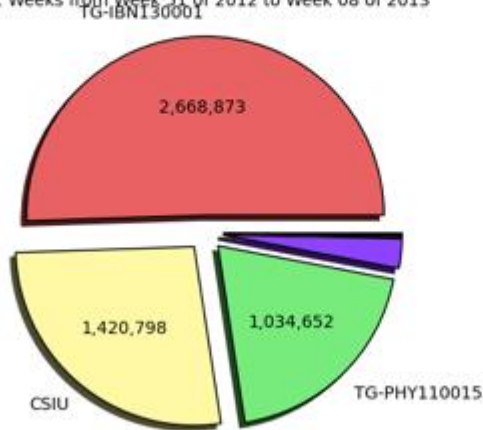
Project Accounting

This page is Under Construction

CPU hours per Project (Pie) [Analyze](#)

Wall Hours by VO (Sum: 5,283,188 Hours)

11 Weeks from Week 51 of 2012 to Week 08 of 2013

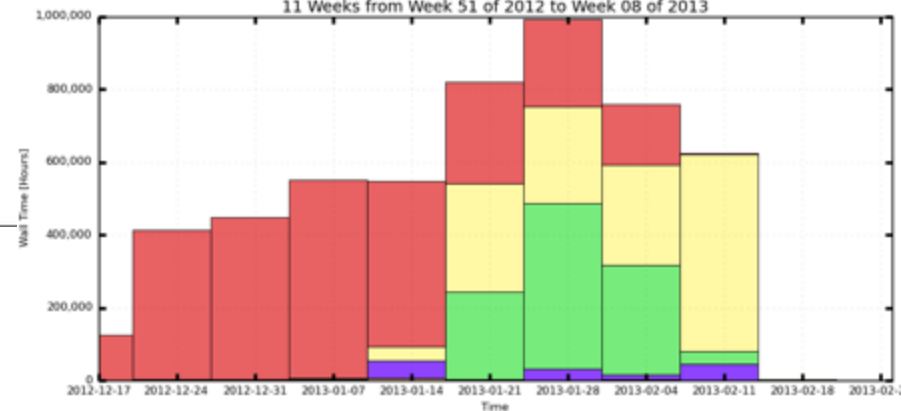


TG-IBN130001 (2,668,873) CSIU (1,420,798) TG-PHY110015 (1,034,652) RIT (140,743)
TG-ATM130009 (9,423) OSG-Staff (8,697)

Daily Hours by Project [Analyze](#)

Daily Hours By Project

11 Weeks from Week 51 of 2012 to Week 08 of 2013



Tg-ibn130001 CSIU Tg-phy110015 RIT Osg-staff
Tg-atm130009 Tg-ccr120041 Tg-sta120004 Tg-tra100004
Tg-ast060037n Tg-phy120014 Tg-sta110009 Tg-bcs110002

Maximum: 991,994 Hours, Minimum: 0.20 Hours, Average: 480,290 Hours, Current: 0.20 Hours

Probes

- New release: osg development repo (new slurm and onevm probe)
- Waiting for SGE/LSF probe testing results/fixes from OSG Software Team

Reporting

- Fixed outstanding bugs (see Jira)
- Provided patches in production
- Next: new release
 - With bug fixes
 - Addition of osg-xsede report

NEW REQUESTS

OSG-XSEDE Project Accounting

- Requestor: Chander Sehgal
- Backfill project information for January (upgrade has happened during last week of January)
- Come up with a proposal that would define how to specify Project from submission nodes other than osg-xsede node.

Cloud Probe

- Requestor: Keith Chadwick
- CPU usage and normalization
- Clean up code so it could be contributed to GratiaWeb
- Report cloud information to EGI Test Portal

Generic Archival Project

- Requestors: G. Oleynik/D. Litvinsev
- Get transfer records from public dCache
- Be able to get graphical representation
- Produce monthly reports: amount data transfers per user

OSG/WLCG Reporting Transition

- Requestors: CMS, OSG
- J. Weigand is running a service on FermiCloud VM, opens tickets for problems discovered during report generation, is often asked to be involved in solving gratia probe or OIM configuration problems
- Should be ran, maintained and supported by GOC. We have talked about starting transition with Rob Quick but nothing has happened so far.

GratiaWeb Status

- GratiWeb is the ONLY GUI to Gratia now (we have officially dropped support for BIRT reports)
- GratiaWeb has many bugs and I have started to fill out JIRA tickets and encouraged other people to do the same. It also needs further development and documentation.
 - Should I continuer to monitor the progress or we should ask somebody else to do so?
- GratiaWeb developer is leaving.

Upcoming tasks

- Email-reporting release
- Help with fermi production upgrade of email reporting
- Probes release with bug fixes
- OpenJDK 7
- Testing & documentation