OSG User Support – Area Coordinators Report

October 17, 2012

On Behalf of

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Effective service delivery for all XSEDE Users of OSG (Rynge – Ongoing)

1. OSG continues to provide HTC compute resources to XSEDE users as of April 1,2012
    a. System is stable and has >99.9% availability
    b. System is also used for non-XSEDE users (incubator for members of new communities)
2. 27 Users currently have allocations on OSG for 3.1M hours
    a. XSEDE staff allocations were enabled during this period. That means that staff at other resource providers automatically get allocations accounts for testing
    b. Similarly, XSEDE campus champion allocations were propagated. Campus champions get small allocations to help local users get started on XSEDE.
3. Growing partnership between OSG & XSEDE teams for user education and support; usage continues to be modest

Week Ending		9/10/2012	9/17/2012	9/24/2012	10/1/2012	10/8/2012	10/15/2012
Wall Hours		108,026	110,267	5,129	35,573	10,241	27,260

- *For more info contact Mats Rynge*

Achieve limited deployment of public storage using iRODS for one VO (Levshina – Nov 2012)

1. Selected SAGA group (under vo=osg) as first live user community; explained the concept of OSG public storage, helped them to install and configure the OSG public storage client on their SAGA portal. SAGA has provided positive feedback on using OSG as the back-end of their portal (turn-around from their feedback 3 months ago from the ExTENCI work)
2. Also supporting EIC (BNL) and Pheno (SLAC) to distribute the data for their job executions
3. We have asked GLOW if they want to be another “beta” customer; no response yet
4. Currently users can access OSG Public Storage in the following ways:
    I. Upload/download files from/to OSG SRM SEs to/from local machine via irods;
    II. Upload/download files from/to OSG "Classic" SE to/from local machine via irods
        a. to OSG_DATA area
        b. to OSG_APP area
    III. They can upload tar files and use custom command to untar and register files with iRODS
    IV. Submit jobs from osg-xsede portal that can:
        a. access data from OSG_APP, OSG_DATA
        b. download file from local or remote storage by querying info location from iRODS
        c. upload file to local or remote storage directly and register file in iRODS
        d. replicate file to all the resources in a specified group with one command (could be done asynchronously and notification will be sent when replication is done)

- *For more info contact Tanya Levshina*

Top Concerns

1. For the OSG-XSEDE work, we need to do a lot more education and outreach. Filling up 2M service units per quarter should not be difficult, and we think the main problem is that the XSEDE user community and researchers coming into the community do not know about the OSG resource and the capabilities the resource provides. We are planning to do an ISGTW article and possibly targeting the campus champions in some kind of train-the-trainer campaign. However, we might need more than that, and we are still brain storming possible outreach and education avenues.

2. Accounting and monitoring tools in glideinWMS environment are weak (and fading); both GLOW and SBGrid express concerns about limited ability to access more cores – action item from Council to investigate broader issues of opportunistic access and to help resolve these two cases.

3. Site acceptance interval for new VOs seems to run into multiple months. Only 5 sites support LSST and of those we talked with 2 directly (FNAL and UNL); this VO was created 5 months ago. It has been in the VO package for a few months and we have been asking actively for new sites for more than 1 month. We talk about "graduating" VOs, but we don't have an effective way of on-boarding new VOs at sites.

4. Taking a long time for new sites to come on-line; need to understand why that is so.

Recent Status for “new” Communities

1. Baker lab flocking to UCSD completed; need to configure gratia probe

2. Pheno (from SLAC) is planning to run a new production campaign again. Using iRODS to distribute their data to sites.

3. For DES, we continue to help test, support, and, to some extent, develop the new framework that controls science software. Also helping with compiling DES software on Enterprise Linux platforms. This work is a collaboration between OSG User Support and Fermilab Grid & Cloud Computing. Provided public storage briefing for their team as they consider how to manage their data distribution across OSG, XSEDE, and other compute nodes.

4. BNLPET -- Discussed and looked at user's condor setup. Gotten certificates for two of the users. They have not started running production yet.

5. EIC (BNL) -- Just helped user get a new certificate. Don't think he's run this quarter.

6. LSST -- User ran a small number of hours a few times. Discussed their jobs' large RAM requirements. Worked with OSG sites to provide access to resources for the LSST VO. Discussed the work with Data Management group to port a data intensive application as a proof-of-principle. Some larger sites still do not support LSST, although they've run their computations through NWICG. I'm considering that now we should move forward with transitioning their FE to using the new set of sites, although we are somewhat shortchanging them.

7. SuperB – SLAC, WT2, FNAL, and CIT_HEP are now qualified to work with superb middleware. Gradually fixing or accepting problems. SLAC and FNAL are fully supporting SuperB jobs. There are some services that we do not support in OSG and thus are not enabled (e.g. NAGIOS reporting and CVMFS); we are working with them to improve on those as well, where possible.

8. SAGA – Using OSG public storage and glideinWMS as back-end to their portal. Ran test jobs successfully; next step will be actual science using this interface.

9. PNNL -- Their CE should be installed now although the rsv myosg page for it is showing problems.
10. UMD-IGS -- Seems like they've installed or mostly installed the CE. Don't know about testing.
11. VLAB -- They've installed a CE. Don't know what else.
12. NDSU -- They've started the OSG installation, but didn't say how far along it is.