

OSG Resource Service Validation (RSV) <-> WLCG SAM Availability Plots Update

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RSV Record Upload to WLCG SAM

- Process has been stable for several weeks. The few problems encountered have been worked out.
- Using an updated list of OSG resources monitored and published to WLCG - each resource manager approves sending test results to WLCG.
 - This is a combination of resources publishing information from the OSG BDII to WLCG (mainly US CMS) and resources who do not want to publish BDII information but do want to publish Site Functional Tests to WLCG SAM (mainly US ATLAS).
 - Total of 30 resources listed, 13 reporting)
 - http://oim.grid.iu.edu/publisher/get_osg_interop_monitoring_list.php

SAM Web Interface showing results from RSV information

- SAM Tests seem to be accurate, but there are only a subset of the full test set published on GridView. Query has been sent to developers.
- Probe Equivalency page is located at <https://twiki.grid.iu.edu/twiki/bin/view/Operations/RsvEquivalency>
 - Thanks to David for his help.
- SE Probes are now in VDT and will be tested in the OSG-ITB over the next several weeks. When testing is completed the results will start being sent.
 - Tests will be conducted with during ITB to make sure storage probe information gets to the WLCG SAM correctly

SAM and GridView Publishing

| No | RegionName | SiteName | NodeName | Status | unregd vos | | | | | | | | | | | | | | |
|----|-----------------|--------------------------------|--|--------|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | | | | oogph | oogodE | oobjps | oocce | ooggs | oobjfs | oobjms | oobjls | oogga | oogov | oocce | oobja | oobjcs | oobjls | oogcv |
| 1 | OpenScienceGrid | AGLT2 | gate01.aglt2.org | ERROR | ok | ok | na | error | ok | ok | ok | na | ok | ok | error | ok | ok | na | ok |
| 2 | OpenScienceGrid | MWT2_IU | iut2-grid6.iu.edu | OK | na | ok | ok | ok | ok | ok | ok | na | ok | ok | ok | ok | ok | na | error |
| 3 | OpenScienceGrid | MWT2_UC | uct2-grid6.uchicago.edu | ERROR | na | error | error | error | error | error | error | error | error | error | error | error | error | error | ok |
| 4 | OpenScienceGrid | PROD SLAC | osgserve01.slac.stanford.edu | ERROR | na | error | na | na | error | na | na | na | error | error | na | error | na | error | na |
| 5 | OpenScienceGrid | bnl atlas_1 | gridgk01.racf.bnl.gov | ERROR | na | ok | na | ok | ok | na | ok | na | ok | ok | error | ok | ok | na | ok |
| 6 | OpenScienceGrid | fnal_fermigrd | fermigrd1.fnal.gov | ERROR | na | error | na | error | error | error | error | na | error | error | error | error | error | na | ok |
| 7 | OpenScienceGrid | glow-cms | cmsgrid02.hep.wisc.edu | WARN | ok | warn | na | ok | ok | ok | na | na | ok | ok | ok | ok | ok | na | ok |
| 8 | OpenScienceGrid | nebraska | red.unl.edu | ERROR | ok | error | error | error | error | error | error | error | error | error | error | error | error | error | na |
| 9 | OpenScienceGrid | nysgrid-ccr-u2 | u2-grid.ccr.buffalo.edu | ERROR | ok | error | na | error | ok | error | na | na | ok | ok | error | ok | na | na | na |
| 10 | OpenScienceGrid | purdue-lear | lepton.rcac.purdue.edu | ERROR | ok | warn | na | error | ok | ok | na | na | ok | ok | error | error | na | na | ok |
| 11 | OpenScienceGrid | purdue-rcac | osg.rcac.purdue.edu | ERROR | ok | warn | na | error | ok | ok | na | na | ok | ok | error | error | na | na | ok |
| 12 | OpenScienceGrid | ucsd2 | osg-gw-2.t2.ucsd.edu | OK | ok | ok | na | ok | ok | ok | ok | na | ok | ok | ok | ok | ok | na | ok |
| 13 | OpenScienceGrid | ucsd2 | osg-gw-4.t2.ucsd.edu | OK | na | ok | na | ok | ok | ok | na | na | ok | ok | ok | ok | ok | na | ok |

SAM Test Results for site MWT2_IU

Test Criticality Defining VO : OPS
(Click on the Test Result Graph to View Details)

| Service | Node | Test Name | Test VO | Test Help | Critical | Test Results |
|---------|-------------------|--|------------|-----------|----------|--|
| | | | | | | <div> <div>na</div> <div>ok</div> <div>info</div> <div>note</div> <div>warn</div> <div>error</div> <div>crit</div> <div>maint</div> </div> |
| OSGCE | iut2-grid6.iu.edu | Service Status | | | | <div> <div>16</div> <div>20</div> <div>00</div> <div>04</div> <div>08</div> <div>12</div> </div> |
| | | OSGCE-org.osg.certificates.crl-expiry | UNREGD VOs | ? | Y | <div> <div>16</div> <div>20</div> <div>00</div> <div>04</div> <div>08</div> <div>12</div> </div> |
| | | OSGCE-org.osg.general.osg-directories-CE-permissions | UNREGD VOs | ? | Y | <div> <div>16</div> <div>20</div> <div>00</div> <div>04</div> <div>08</div> <div>12</div> </div> |
| | | OSGCE-org.osg.general.osg-version | UNREGD VOs | ? | Y | <div> <div>16</div> <div>20</div> <div>00</div> <div>04</div> <div>08</div> <div>12</div> </div> |
| | | OSGCE-org.osg.globus.gridftp-simple | UNREGD VOs | ? | Y | <div> <div>16</div> <div>20</div> <div>00</div> <div>04</div> <div>08</div> <div>12</div> </div> |
| | | OSGCE-org.osg.general.ping-host | OPS | ? | N | <div> <div>16</div> <div>20</div> <div>00</div> <div>04</div> <div>08</div> <div>12</div> </div> |

Next Steps

- Testing of V2 of RSV.
 - Probe Set: <https://rt-svn.uits.indiana.edu/svn-web/osg/listing.php?repname=rsv&path=%2F&sc=0>
 - Nagios wrappers will be included with V2 for publishing probe results into existing Nagios instances.
 - Improved proxy and configuration procedures.
- Availability Calculations are understood and under discussion.
- Reliability still needs to be worked out. Questions include for example how OSG Scheduled Maintenance windows are calculated.
- Collecting feedback from OSG collaborators about statistics and publishing in SAM/GridView.
- Next group meeting between EGEE and OSG developers requested for later this week.