



Enabling Grids for E-scienceE

# Critical OSG RSV Tests

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- **Propose new set of critical RSV tests for services:**
  - OSG-CE
  - OSG-GridFtp
  - OSG-SRM
- **Status of previous issues.**

- **Described at:**  
<https://twiki.cern.ch/twiki/bin/view/LCG/OSGCriticalProbes>
- **Existing list of critical tests:**
  - `org.osg.certificates.crl-expiry` (check if CRLs are still valid)
  - `org.osg.general.osg-directories-CE-permissions`
  - `org.osg.general.osg-version` (version of OSG CE running)
  - `org.osg.globus.gridftp-simple` (a test file is gridftp'ed to remote host, and back. Then, files are checked for consistency)

**All are OSG-CE tests.**

- **Proposed list of critical tests for OSG-CEs:**
  - `org.osg.certificates.crl-expiry` (check if CRLs are still valid)
  - `org.osg.general.osg-directories-CE-permissions`
  - `org.osg.general.osg-version`
  - `org.osg.certificates.cacert-expiry` (check if CA certs are still valid)
  - `org.osg.general.ping-host` (check if CE responds to pings)
  - `org.osg.globus.gram-authentication` (authenticate to remote CE using GSI)
  - `org.osg.batch.jobmanager-default-status` (check status of default job manager) .This one only available early July.
- **These are equivalent to EGEE tests in terms of functionality.**
- **Will be executed from the WN in next OSG releases.**  
(using jobmanager-fork at present time)

- **Proposed list of OSG-GridFtp critical tests:**
  - **org.osg.globus.gridftp-simple** (a test file is gridftp'ed to remote host, and back. Then, files are checked for consistency)
- **Is equivalent to EGEE 'CE-sft-lcg-rm-cr & CE-sft-lcg-rm-cp' tests. Will be even more equivalent to EGEE 'SRMv2-lcg-cp (lcg-cp --nobdii ...)' that will be out in the coming weeks.**

- **Proposed list of OSG-SRMv1/v2 critical tests:**
  - **org.osg.srm.srm ping** (check if SRM server is responding to srm-pings)
  - **org.osg.srm.srmcp-readwrite** (srmcp a file to and from a storage element using the srm protocol)
- **These are equivalent to EGEE SRMv1 tests** (SRM-put, SRM-get, SRM-advisory-delete)

- **Single source of information for OSG resources (OIM list)** [http://oim.grid.iu.edu/publisher/get\\_osg\\_interop\\_monitoring\\_list.php](http://oim.grid.iu.edu/publisher/get_osg_interop_monitoring_list.php)
- **All OSG services are now published and automatically stored in SAM Database.**
- **GridView database is ready to accept OSG downtimes in production mode. End-to-end tests are successful.**