



perfSONAR-PS Deployment: Status Update

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Summary of perfSONAR Deployment

- All WLCG sites should install/upgrade perfSONAR
 - **Baseline release is 3.3.2.**
- **Reminder:** Task-force deadline is **April 1, 2014**
 - By this time all WLCG sites should have instances deployed, using the mesh-configuration and registered in OIM/GOCDB
 - If firewalls are in place, they must be configured to allow required access for perfSONAR and WLCG monitoring
- **We have been issuing tickets for identified problems**
 - **Site is down/offline, not registered, not updated, no mesh, etc.**
- **Sites should follow instructions in twiki**
 - <https://twiki.cern.ch/twiki/bin/view/LCG/PerfsonarDeployment>
 - Contact the regional PS deployment contact (see <https://twiki.cern.ch/twiki/bin/view/LCG/MeshUpdates>)
 - And/Or wlcg-ops-coord-tf-perfsonar@cern.ch
 - Do not forget to register the services in GOCDB/OIM

perfSONAR-PS Site Accessibility

<https://grid-deployment.web.cern.ch/grid-deployment/wlcfg-ops/perfsonar/conf/monde/V11/>

- We are asking sites to make accessible the perfSONAR main page (<https://<hostname>/toolkit>) for our central operations activity. The access can be restricted to the following ranges, summarized as follows:
 - **CERN+WIGNER: 188.184.0.0/15, 128.142.0.0/16, 137.138.0.0/17**
 - **Prototype dashboard at AGLT2: 192.41.230.110/32**
 - Will be replaced SOON by an OSG subnet where the final production service will be.
 - **Documentation updated on LHC perfsonar deployment wiki**
- NOTE: while firewalls are not recommended for perfSONAR-PS instances sites requiring them should review:

<http://fasterdata.es.net/performance-testing/perfsonar/ps-howto/perfsonar-firewall-requirements/>

Monitoring shows we still have issues likely related to firewalls

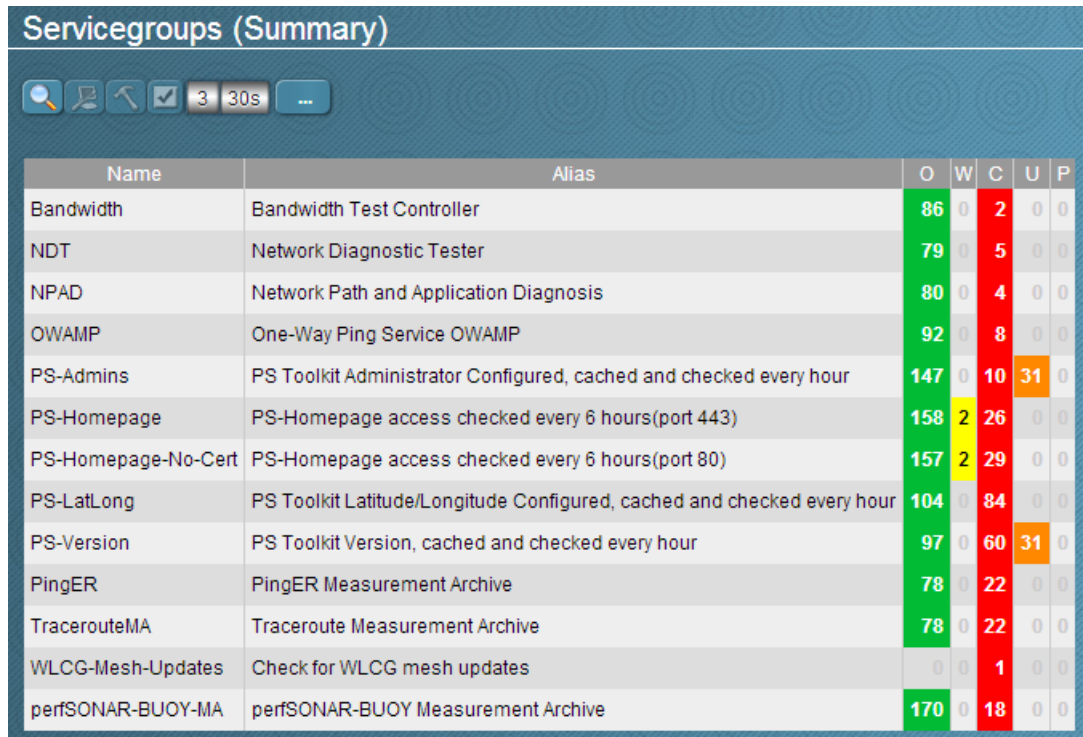
All VO/Cloud perfSONAR administrators have been asked to debug/fix their mesh-sites and there has been some improvements in the last two weeks but still lots of work...

Monitoring Status

- Have prototype MaDDash instance at:
 - <http://maddash.aglt2.org/maddash-webui>
 - Has shown we have some issues: Too much “orange” meaning data is either not be taken (configuration or firewall) or access blocked

Have OMD monitoring the perfSONAR-PS instances
https://maddash.aglt2.org/WLCG_perfSONAR/omd/

Useful to summarize status:
Have 97 instances updated to current, 60 instances still need updates, 31 are not correctly accessible.



Name	Alias	O	W	C	U	P
Bandwidth	Bandwidth Test Controller	86	0	2	0	0
NDT	Network Diagnostic Tester	79	0	5	0	0
NPAD	Network Path and Application Diagnosis	80	0	4	0	0
OWAMP	One-Way Ping Service OWAMP	92	0	8	0	0
PS-Admins	PS Toolkit Administrator Configured, cached and checked every hour	147	0	10	31	0
PS-Homepage	PS-Homepage access checked every 6 hours(port 443)	158	2	26	0	0
PS-Homepage-No-Cert	PS-Homepage access checked every 6 hours(port 80)	157	2	29	0	0
PS-LatLong	PS Toolkit Latitude/Longitude Configured, cached and checked every hour	104	0	84	0	0
PS-Version	PS Toolkit Version, cached and checked every hour	97	0	60	31	0
PingER	PingER Measurement Archive	78	0	22	0	0
TracerouteMA	Traceroute Measurement Archive	78	0	22	0	0
WLCG-Mesh-Updates	Check for WLCG mesh updates	0	0	1	0	0
perfSONAR-BUOY-MA	perfSONAR-BUOY Measurement Archive	170	0	18	0	0