Minutes of the PPS Operations Meeting
29th November 2005

Attendees (by VRVS)

CESGA: Francisco Jose Bernabe, Javier Lopez Cacheiro
CNAF: Daniele Cesini, Matteo Selmi
LIP: Mario David
UPATRAS: George Goulas, Andreas Alexopoulos
UOA: -
FZK: -
CERN: Antonio Retico, Alessandro Usai (no microphone), Maite Barroso Lopez
Cyfronet: Lukasz Skital (connection problems)
IFIC: Alvaro Fernandez Casani
IN2PN3:   Sylvain Reynaud, Pierre Girard
ASCG: -
PIC: Carlos Borrego Iglesias
SCOTGRID: Graeme Stewart

Discussion topics

1) Review of Action Points (4-Nov-2005)
2) Status of SFT
3) Opportunity to use shared configuration files for upgrade to1.4.1
4) Upgrade to 1.4.1 (WMS, CE, WN, IO, UI)
5) Upgrade to 1.4.1 (FTS)
6) Upgrade to 1.4.1 (VOMS)
7) Upgrade to 1.4.1 (R-GMA)
8) Handling off-line periods

Actions

Points in status "Done" will be kept for reference and removed from the table next time

Number	Description	Assigned to:	Status
2005.09.07—6	All sites to check that they are successfully publishing all of their site data in R-GMA. **Update 2005.11.04:** This will need to be re-assessed once the majority of sites have upgraded to 1.4/1.4.1	Site admins	In progress
2005.09.07—12	Nick to contact JRA1 to find out if the BDII is still needed for storing the endpoints of the Ses. **Update 2005.11.04:** Yes, the SEs do still need to be present in a BDII. Nick will find out the details of what information needs to go into the BDII and feed this back to Daniele.	Nick	Done

Number	Description	Assigned to:	Status
	Update 2005.11.29: CNAF is put in the condition to install the BDII in PPS, which generates (AP **2005.11.29—1**).		
2005.10.11—2	Update status of the action points (only 2005.09.07)	Antonio	Done
2005.10.11—7	ask IN2PN3 if the are willing to provide the Fireman-ORA service. **Update 2005.11.29:** The action is moved to Pierre Girard, who will forward it to the service responsible in Lyon (AP **2005.11.29—2**).	Nick	Done
2005.10.11—8	move all the nodes from the wiki page to the GOC DB **Update 2005.11.04:** Nick needs to contact the GOC DB admin to request that additional node types (gLite specific node types) be added. **Update 2005.11.29:** Antonio will verify the task completion (AP **2005.11.29—3**).	Site admins	Done
2005.10.11—10	Create a public page with a general overview on the aims and scope of the pre-production service. **Update 2005.11.29:** Antonio says that now the scope and aims of PPS are getting clear enough: the future PPS is meant to be a real pre-production system based on the same service deployed in production plus the Delta of the new release. The task of writing it down is still open.	Antonio/Nick	In progress
2005.10.11—11	Insert all the CEs in the GOC DB **Update 2005.11.29:** Antonio will verify the task completion (AP **2005.11.29—3**).	Site admins	Done
2005.10.11—12	Press on JRA1 for feedback on bug #11535 (WMS extremely slow) **Update 2005.11.29:** The issue just showed-up again in the CERN site. The WMS is under inspection of the developers.	Nick	Done
2005.11.04—1	All sites to upgrade their R-GMA server as soon as possible. **Update 2005.11.29:** A common approach has to be suggested to handle the possible security issue dealing with Pong servlet seen in Production. A patch has been released in production. Antonio took the action point to investigate whether it is directly applicable in PPS (AP **2005.11.29—4**).	All site admins	In Progress
2005.11.04—2	PIC to upgrade the Fireman catalogue to version 1.4	PIC	Done
2005.11.04—3	Daniele to contact Oscar to find out how to extract member information from the NIKHEF VOMS database so that the VOs which are currently only supported by NIKHEF can be implemented also in the CNAF VOMS server.	Daniele	Done
2005.11.04—4	Nick to get an update on the status of the FTS service at IN2P3	Nick	In Progress
2005.11.04—5	Di to update the group on the status of the FTS service at CERN	Di	In Progress
2005.11.29—1	To Configure the BDII with the service end point of the PPS SEs. CNAF take the commitment to set-up the BDII within next week.	CNAF	Open
2005.11.29—2	To ask site responsible in IN2PN3 if the are willing to provide the Fireman-ORA service.	Pierre	Open

Number	Description	Assigned to:	Status
2005.11.29—3	To verify that all the relevant nodes have been moved to GOC DB	Antonio	Open
2005.11.29—4	To provide some information on the patch to be applied for the R-GMA security issue with Pong	Antonio	Open
2005.11.29—5	Upgrade WMS CE WN UI to 1.4.1	All concerned sites	Open
2005.11.29—6	Upgrade FTS to 1.4.1	Scotgrid, IN2P3	Open
2005.11.29—7	To reconfigure FTS to use CNAF apt repository	Graeme	Done
2005.11.29—8	Scotgrid and IN2P3 should compare their configuration file to try and sort out possible configuration problems	Scotgrid, IN2P3	Open
2005.11.29—9	Upgrade VOMS to 1.4.1	CNAF	Open
2005.11.29—10	Upgrade RGMA to 1.4.1	CESGA	Open

Decisions at this meeting

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Previous Decisions

2005-10-11 – 1: The list of PPS nodes to be migrated from the wiki page to the GOC database.

1. Users wishing to gain access to the pre-production service should be redirected to Birger Koblitz.

2. Sites will be added to the pre-production service 1-2 at a time until there are enough experienced people to take the support load.

3. It was agreed by everyone present that we should The goal is to be able to run "hello world" jobs by Wednesday 8th June.

4. The status of the nodes at the pre-production sites will be kept up to date in the pre-production service wiki.

5. While we are setting up the pre-production service we will only use the NIKHEF VOMS server with the 3 fake VOs.

6. Everyone participating in phase I will register with the Picard VO.

7. The dteam, HEP, BioMed and generic VOs to will be added to the pre-production service once the service is ready for users.

8. Fail-over, backups, disk mirroring, etc. are not needed at the moment on the pre-production service. Simply having more than one instance of each core service is sufficient.

Discussions *(same numbering as for Discussion topics)*

1) Review of Action Points (4-Nov-2005)

Please find the relevant updates directly in the table.

2) Status of SFT

Antonio made a summary on running SFT

- SFT tests were suspended during the upgrade of CNAF WMS. They were re-started on the 28th and showed 4/5 sites working.

- The VOMS server used by the SFT client was changed to voms.cern.ch which runs version 1.4.1 of voms. This is not compatible with the grid-mapfile in use on some older CEs

- Three main reasons for site failure have been identified:

    1. Job List Match : The WMS at CNAF is not configured in the CEMON list

    2. Missing certificate of voms.cern.ch in the CE's vomsdir

    3. Job Submission: Wrong syntax of grid-mapfile

3) Opportunity to use shared configuration files for upgrade to1.4.1

Mario David gave a detailed report on the work he made to create a structure of configuration files. The configuration is still in progress but the application is in principle possible. Mario recommends sites who already have done the upgrade of their farm not to go for the new method. But his advice to sites that have not started yet is to try and use the shared configuration. At this purpose he will circulate through the mailing list a new tarball with the latest fixes, and updated instructions. No action points needed, because at the time these minutes are being written, he has just done and is currently getting some feedback.

4) Upgrade of PPS to 1.4.1 + QF

The upgrade plane proposed by Antonio is discussed.

www.cern.ch/antonio.retico/PPS/051124-PPS-upgrade-1.4.1.htm

a) Upgrade to 1.4.1 (WMS, CE, WN, IO, UI)

Upgrade of WMSs is already done.

No objection to the schedule coming form the sites for upgrade of CEs and WNs (AP **2005.11.29—5**)..

b) Upgrade to 1.4.1 (FTS)

Graeme gave a detailed report about the installation of the FTS server (AP **2005.11.29—6**).

Basically now the FTS server is up and running and he set up agents for 'picard' and 'dteam'. He managed to submit a job, but it is still not succeeding. He used the JRA1 apt repository and now he should run the apt-get upgrade with the CNAF one (AP **2005.11.29—7**). He found some difficulties to understand to which VOMS server actually to refer (now solved). He asked whether the manual configuration of the grid-mapfile affects the FTS. Alessandro Usai replied (via chat):

"fts does not need mapping to 'pool accounts' (except one in the map file under /opt/glite/etc) so the grid-map file should not be an issue I think"

Graeme is currently investigating on some of the misbehaviours in order to understand whether they need to be filed as new bugs or not. In that respect it was decided to stick to the upgrade plan and not to start the upgrade in Lyon before this Thursday (AP **2005.11.29—6**). In the meanwhile Scotgrid and IN2P3 should compare their configuration file to try and sort out possible configuration problems (AP **2005.11.29—8**).

UPDATE (12/1/2005)

Graeme posted a written summary to the PPS mailing soon after the meeting, which here is entirely reported.

I installed FTS 1.4.1 on grid07.ph.gla.ac.uk, using the gLite release repository. Later I updated to the CNAF one, but there was no difference in the RPM lists (that's my action 2005.1.29-7 done!).

I used Alessando's testbed XML files and Mario's common ones for help in configuring the correct parameters - thanks guys! [1]

It didn't take too much effort to get the the point where FTS reported itself as configured and started correctly. I could then connect to FileTransfer and ChannelManagenment Axis services.

The VOMS configuration seemed unclear. Do the host keys go into /etc/grid-security/vomsdir/ with the hostname? What goes into grid-mapfile and groupmapfile (the advice "copy from another machine" fails for the first machine!).

Initially things seemed rather unstable. Tomcat would crash, restart. Run for a while, crash again, restart. I got many java errors in catalina.DATE.out.

[2] These seem to have settled down - did the QF come in, or was it a problem with lack of agents at this point? Anyway, these seem to have disappeared for the moment.

Then I went on to channel/vo agent configuration. The gLite docs are really quite poor in this area, I found the twiki pages far more useful[3] in terms of what you actually need to do.

I defined a single channel (DEFAULT), and two VO agents (for picard and dteam, just doing the default stuff). After that I was able to setup the channel with

$ glite-transfer-channel-add -c g.stewart@physics.gla.ac.uk DEFAULT * *

(Is this the right way to define a catch all channel?)

I can now submit jobs to the channel,

*$ glite-transfer-submit *

srm://se2-gla.scotgrid.ac.uk:8443/dpm/scotgrid.ac.uk/home/dteam/pps/weeFile   \   srm://se2-gla.scotgrid.ac.uk:8443/dpm/scotgrid.ac.uk/home/dteam/pps/weeFileCopy

However, they all fail, with:

"No site found for host se2-gla.scotgrid.ac.uk"

I thought this was because my FTS server doesn't know where or how to find the SE, so I followed IN2P3's example[4] and added

<service name="ScotGrid-Gla-SRM">

* <parameters>*

*   <endpoint>httpg://se2-gla.scotgrid.ac.uk:8443/srm/managerv1</endpoint>*

*   <type>SRM</type>*

*   <version>1.1</version>*

*   <site>UKI-ScotGrid-Gla-PPS</site>*

*   <param name="SEMountPoint">/dpm/scotgrid.ac.uk/home</param>*

* </parameters>*

* </service>*

to my services.xml file.

However, file transfers still fail with the same error!

So, questions arising are:

1. How do I tell my FTS about SEs? Can I use production SEs (like se2-gla) or do I have to use PPS SEs with glite io servers?

2. What's the right VOMS configuration?

3. Have I configured the channel correctly:

grid05:~$ glite-transfer-channel-list DEFAULT

Channel: DEFAULT

*Between: * and **

State: Active

Contact: g.stewart@physics.gla.ac.uk

Bandwidth: 0

Nominal throughput: 0

Number of files: 5, streams: 5

Number of VO shares: 0

Graeme

[1] For reference XML is here:

http://www.physics.gla.ac.uk/~graeme/pps/

[2] Thinks like:

StandardContext[/balancer]org.apache.webapp.balancer.BalancerFilter: init():

ruleChain: [org.apache.webapp.balancer.RuleChain: [org.apache.webapp.balancer.rules.URLStringMatchRule: Target string: News / Redirect URL:

http://www.cnn.com], [org.apache.webapp.balancer.rules.RequestParameterRule: Target param name: paramName / Target param value: paramValue / Redirect URL: http://www.yahoo.com], [org.apache.webapp.balancer.

rules.AcceptEverythingRule: Redirect URL: http://jakarta.apache.org]] StandardContext[/glite-data-transfer-fts]Exception sending context destroyed event to listener instance of class org.glite.data.transfer.stat s.StatsGenerationContextListener java.lang.NullPointerException

[3] https://uimon.cern.ch/twiki/bin/view/LCG/FtsRelease14

[4] https://pps-private-wiki.egee.cesga.es/cgi-bin/moin.cgi/services.xml

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Dr Graeme Stewart   http://www.physics.gla.ac.uk/~graeme/

GridPP DM Wiki   http://wiki.gridpp.ac.uk/wiki/Data_Management

c) Upgrade to 1.4.1 (VOMS)

CNAF will start the upgrade Monday 5th. The Upgrade will take one day (AP **2005.11.29—9**).

d) Upgrade to 1.4.1 (R-GMA)

CESGA will upgrade the registry earlier starting from the 30th (AP **2005.11.29—10**).

5) Handling off-line periods

Antonio insisted on the opportunity for all sites to use the flags in the GOC db interface to schedule their maintenance interruptions.

This would allow the SFT monitor to be (improperly) checked by PPS users to infer which sites are available for their test and avoid surprises.

None of the attendee manifested any doubt about it.