New VOMS servers campaign

GDB, 8th Oct 2014

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IT/SDC

New VOMS servers

- Fairly simple and extensively documented changes, yet a lot of hand-holding was required…
- EGI broadcasts
  - March 17 – deadline May 6
  - May 6 – deadline June 2
    - `bouncycastle-mail` 3rd party bug disrupted time line…
  - July 1 – deadline July 15
  - Aug 25 – deadline Sep 15
- Sep 1 – tickets for 88 incompliant EGI sites
  - Almost all are OK now, but many needed assistance
- Sep 8 – WLCG ops broadcast
- Most OSG sites were OK well on time
  - A few still are not
- Official SAM tests use the new VOMS servers since today
- Experiments should validate their workflows ASAP

March 17 EGI broadcast   (1/3)

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Dear colleagues,

in the course of 2014 the CERN VOMS service will move to new hosts
whose host certificates are signed by the new (SHA-2) CERN CA.

These new hosts need to be recognized by all VOMS-aware services
across WLCG before the hosts can start being used for VOMS proxies.

VOMS-aware services include at least the following:

* Argus
* CE types
* FTS
* LFC
* SE types
* UI types - see note below!
* WMS
* WN


Such services have VO directories under /etc/grid-security/vomsdir.

Please _exclude_ UI instances for the time being, otherwise users might
get warnings when creating a VOMS proxy. This applies also to EMI Nagios
and WLCG VOBOX instances, as they include a UI.
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March 17 EGI broadcast   (2/3)

To facilitate the addition of the new hosts in the relevant places,
a set of rpms have been created, one per WLCG-related VO:

* wlcg-voms-alice
* wlcg-voms-atlas
* wlcg-voms-cms
* wlcg-voms-lhcb
* wlcg-voms-ops

The rpms are hosted in the WLCG repository:

http://linuxsoft.cern.ch/wlcg/

Each rpm provides not only the relevant "LSC" files for proxy verification,
but also the corresponding "vomses" configuration files for proxy generation
(when the infrastructure is ready for that).

To add support for the new VOMS servers, one can just install the rpms for
the supported VOs, without the need to reconfigure the services otherwise.

Note: the old servers need to remain supported until further notice.

If you prefer to use your usual configuration system instead of the rpms,
the relevant details are laid out here:

https://twiki.cern.ch/twiki/bin/view/LCG/VOMSLSCfileConfiguration

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March 17 EGI broadcast   (3/3)

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Timelines
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We aim for the WLCG infrastructure to be _ready_ for the new VOMS servers
by Tue May 6. Please update your service configurations before that date.

The relevant VO cards in the EGI Operations Portal will shortly be updated
with the details describing the new VOMS servers.

Further details will be broadcast when the new servers start being used
for proxy generation.
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Aug 25 EGI broadcast   (1/2)

Dear colleagues,

first another reminder of the broadcast sent on March 17:

https://operations-portal.egi.eu/broadcast/archive/id/1102

Please refer to that page for _configuration_ details.

New information:

1. Please ensure your site has the following rpm on affected node types:

bouncycastle-mail-1.46-2 (SL6)

bouncycastle146-mail-1.46-2 (SL5)

The affected node types are:

Argus
CREAM
UI (including SAM-Nagios and WLCG-VOBOX)
WN

Note that the Java daemons of Argus and CREAM need to be _restarted_
after the rpm was updated.

2. The new VOMS servers will start getting used by normal jobs _and_
by SAM tests as of:

--> Monday September 15 <--

Please ensure your services support the new VOMS servers ASAP.

3. The old VOMS servers need to _remain_ supported for the time being.

4. The SAM pre-production instances for the LHC experiments will use
the new VOMS servers earlier, thereby allowing sites to _verify_
their configurations on the following pages:

ALICE: http://cern.ch/go/6fbH - since Jul 23

LHCb: http://cern.ch/go/Zj9z - since Aug 22

ATLAS: http://cern.ch/go/R9vf - planned as of Aug 28

CMS: http://cern.ch/go/GQ6h - planned as of Aug 28

5. Please ensure a correct configuration also for the "ops" VO.
We are looking into a way for sites to check also this case.

Further developments will be announced in due course.

Sep 8 WLCG broadcast   (1/2)

Dear colleagues,

this is a reminder about the new set of VOMS servers to be _added_
for the LHC experiments and the "ops" VO.

The new servers will start getting used for real work and SAM tests on:

--> Mon Sep 15 <--

Even if you already implemented corresponding configuration changes on
your services, please check below!

If you had not learned about these changes yet:

- OSG sites should contact OSG Operations for assistance.

- EGI sites should follow the steps outlined in this EGI broadcast:

https://operations-portal.egi.eu/broadcast/archive/id/1190

The SAM pre-production instances for the LHC experiments are already
using the new VOMS servers. Please _check_ how your site appears on
the following web pages for the experiments you support.

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ALICE:
http://cern.ch/go/6fbH - preprod

http://cern.ch/go/Cb7F - prod

ATLAS:
http://cern.ch/go/R9vf - preprod

http://cern.ch/go/z8q9 - prod

CMS:
http://cern.ch/go/GQ6h - preprod

http://cern.ch/go/l9x6 - prod

LHCb:
http://cern.ch/go/Zj9z - preprod

http://cern.ch/go/6qX7 - prod


If your site is green on the "prod" page(s), but _red_ on "preprod",
it is most likely that your services do _not_ correctly/completely
support the new VOMS servers yet.

Click on the '+' signs to expand the views until you see the time bars
for the individual tests per host, click on the time bars at locations
of interest to see detailed test results for the corresponding times.

If your site appears green and red intermittently:

- your configuration may have a typo for one of the new VOMS servers;
- SE tests: check if all disk servers have the correct configuration.

Thanks for your timely attention to this matter!
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