



OSG PKI Transition: Transition Phase Report

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This Presentation

- Covers Draft Transition Phase Report with updates
 - Oct, 2012-Feb, 2013
 - <https://osg-docdb.opensciencegrid.org:440/cgi-bin/ShowDocument?docid=1148>
- Builds on OSG AHM Presentation
 - <https://indico.fnal.gov/getFile.py/access?contribId=18&sessionId=7&resId=1&materialId=slides&confId=5610>
- Pilot Phase Report
 - <https://osg-docdb.opensciencegrid.org:440/cgi-bin/ShowDocument?docid=1097>
- Planning Phase Report
 - <https://osg-docdb.opensciencegrid.org:440/cgi-bin/ShowDocument?docid=1120>
- Development and Deployment Phases Report
 - <http://osg-docdb.opensciencegrid.org/cgi-bin/ShowDocument?docid=1145>

In Summary

I believe we are prepared for March 23rd, DOE Grids CA cessation of issuance.

There will be some issues – “unknown unknowns” – but I believe they are now manageable.

Continues to be a great example of teamwork across OSG, its VOs, and ESnet.

Status

PKI is in operations –

- 39 VOs registered
- Issued 300+ user certificates (10% of OSG users)
- Handled 350+ host requests (some for up to 50 certificates) (again ~10%)

Web and command-line clients in production OSG Software Release

VO Registered with PKI

ALICE, ANL, Belle, CSIU, DOSAR,
DREAM, DZero, Engage, ESGF,
FusionGrid, GLOW, GPN, HCC, IceCube,
LCG, MIS, nanoHUB, LBNL, NEBioGrid,
NEES, NERSC, NYSGRID, ORNL, OSG,
OSGEDU, SBGrid, STAR, SURAgrid,
UC3.

Underlined: New to OSG for use of PKI

VOs Not Registered with PKI

CompBioGrid, DayaBay, GCEDU, GCVO,
GROW, i2u2, NWICG, Vlab

(Will not be registering: GlueX, LIGO, Ops, RSV,
enmr.eu, geant4, GridUNESP, superbvo.org)

Software Incompatibilities

Panda/GridSite @ CERN (ATLAS): Service upgraded, issue resolved.

GUMS/LCMAPS:

- Need RPM version (instead of PACMAN)
- Latest version of GUMS (1.3.18)
recommended both for PKI and SHA-2

Thanks to Oscar Koeroo (Nikhef) for help in diagnosing

Operations Impact

The day-to-day management of the PKI is transitioning to the Operations team with the Transition Lead, Welch, saying involved to oversee changes do not conflict with policy or best practices.

Operations impact continues to be as predicted, an increase from .1 FTE under the DOE Grids PKI to .5 FTE under the OSG PKI.

Tasks still be completed

The self-audit with DigiCert.

The transfer of software packages to the Software team is pending the final planned release (1.2).

The SLA for OIM needs to be updated to included change management and notification for the OSG PKI community.

Issues for OSG Management

1. There continues to be concern that VOs are not fully prepared and communications efforts continue.
2. A decision is needed on the level of support OSG should provide for host certificate at sites not associated with OSG directly, but involved with OSG's campus outreach or participating in evaluating OSG as a potential VO.

Next Steps

Listen to community with regards to missing features, prioritize and implement as possible.

Iron out process for change – deciding and communicating.

OIM change prioritization now in realm of Operations Team (rather than Transition Team).

Command line clients will transition to Software Team after 1.2 - IU/CACR will continue contributing.

Contributors to the Transition

Mine Altunay, Jim Basney, Tim Cartwright, Alain Deximo, Jeremy Fischer, Soichi Hayashi, John Hover, Viplav Khadke, Christiane A. Ludescher-Furth, Ruth Pordes, Rohan Mathure, Robert Quick, Alain Roy, Chander Sehgal, Mátyás Selmecci, Anthony Tiradani, and John Volmer

Also thanks to Dhiva Muruganantham and Lauren Rotman of ESnet

Thank you. Questions.

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OSG PKI Service:
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Documentation:
<https://www.opensciencegrid.org/bin/view/Security/PKIDocumentationIndex>