

Open Science Grid



VO Policy Status and Plans

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OSG had two VO Policy technology projects that are reaching the end of development cycles

➔ The Privilege Project

- Integration with VOMS extended proxies
- Interpretation for role based authentication
- Consistent user mapping for multiple Grid services
- Flexibility to site mapping implementation

➔ Privilege is reaching the end of a development phase started in August

➔ VOMSRS

- Improves management of the VO
 - Allows storage of information that doesn't belong in the public VOMS servers
- Improves administration for creating users and groups.

➔ VOMSRS is now completing development phase 2



The basic deliverables of phase one of the project are finished

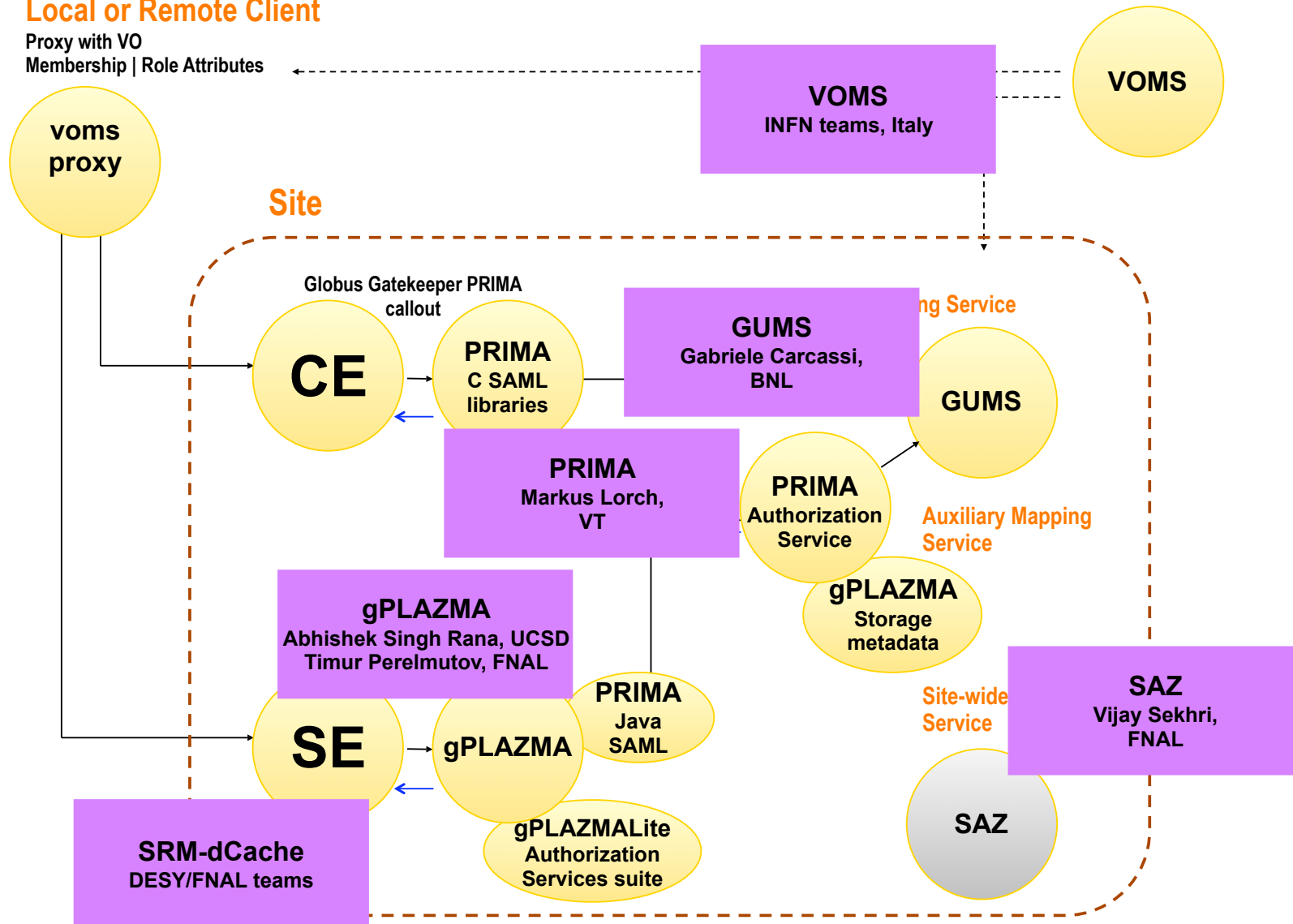
- ➔ Successful deployment in OSG ITB sites
 - Not without effort, but moving forward
- ➔ Role and group based authentication works for VOMS client
- ➔ Globus callout module works properly and parses cert
- ➔ GUMS successfully handles mapping
 - Supports a variety of modes

Final piece of the original goals is to get the storage callout in production

- ➔ dCache/SRM callout has been deployed on one site for testing
- ➔ Need another clean deployment and some stability testing.

Local or Remote Client

Proxy with VO Membership | Role Attributes





From my standpoint Privilege was a good example of collaboration

- ➔ Built on existing expertise of the contributors
 - VOMS at FNAL and deployed existing GUMS technology from BNL
- ➔ Built on infrastructure developed by european counterparts
 - VOMS client and server
- ➔ Used VDT for packaging of all components, and build of most components
- ➔ PPDG Common Project
- ➔ Collaboration between US-CMS and US-ATLAS
- ➔ Collaboration between labs and university groups.



VOMRS has been deployed to administrate several VOs in OSG
Deployed at CERN to interface to LCG administrated VOs

VOMRS was a long project that has stayed close to the original requirements defined for it by the stakeholders

- ➔ Good documentation of work flow
- ➔ New documents for administration

Both VOMRS and Privilege are entering maintenance and operations phases of the current technologies, so it seems like an opportune time to discuss what has to happen next.



In Grid3 all sites were expected to support all VOs

- ➔ Several sites could not participate and several others operated under exemptions from local site security.

In OSG sites can choose what VOs they wish to support

- ➔ How does a resource provider decide what VOs to support?
- ➔ How does a site publish the policies needed to accept a VO?
- ➔ How does a VO publish its policy for member verification?
- ➔ How are these trust relationships established, verified, terminated, re-established?



In my opinion, OSG would benefit from a requirements and documentation project on Policy.

➔ Policy

- What are typical site policies that don't require security exemptions?
- What are the VO policies for membership, verification of AUP, personal information?
- How is the policy defined? Do we have the language we need?

➔ Publication

- What are the requirements of the technology to publish the policies?
- How is the information exchanged?

➔ Trust

- What does it take from an interaction and technology standpoint to establish the trust relationships and get a VO supported on a site



We have a number of very skilled developers who can implement technology

- ➔ In order to make something useful we need to better understand the requirements

Proposal is to concentrate on

- ➔ Requirements
- ➔ Interfaces
- ➔ Interactions
- ➔ Documentation and Workflow



Create a new activity call Policy, Publication, and Trust (PPT)

➔ Make it up of

- site representatives
 - Goal is to define site policy, VO policy, and technology so that sites can participate in OSG while living within site security policy
 - Representatives should have
- security experts
- technology developers
 - People who may eventually do implementation to estimate the work involved

Primary deliverable of the project is an architecture for a technology to define Policy from resource providers and VOs. This policy needs to be published and enforced in such a way that trust relationships are established.