



VO Services Project Stakeholders' Meeting

Overview

- AuthZ Interoperability: status and deployment doc
- VO Services and the Globus Incubator Projects
- Proposal to close Phase III.

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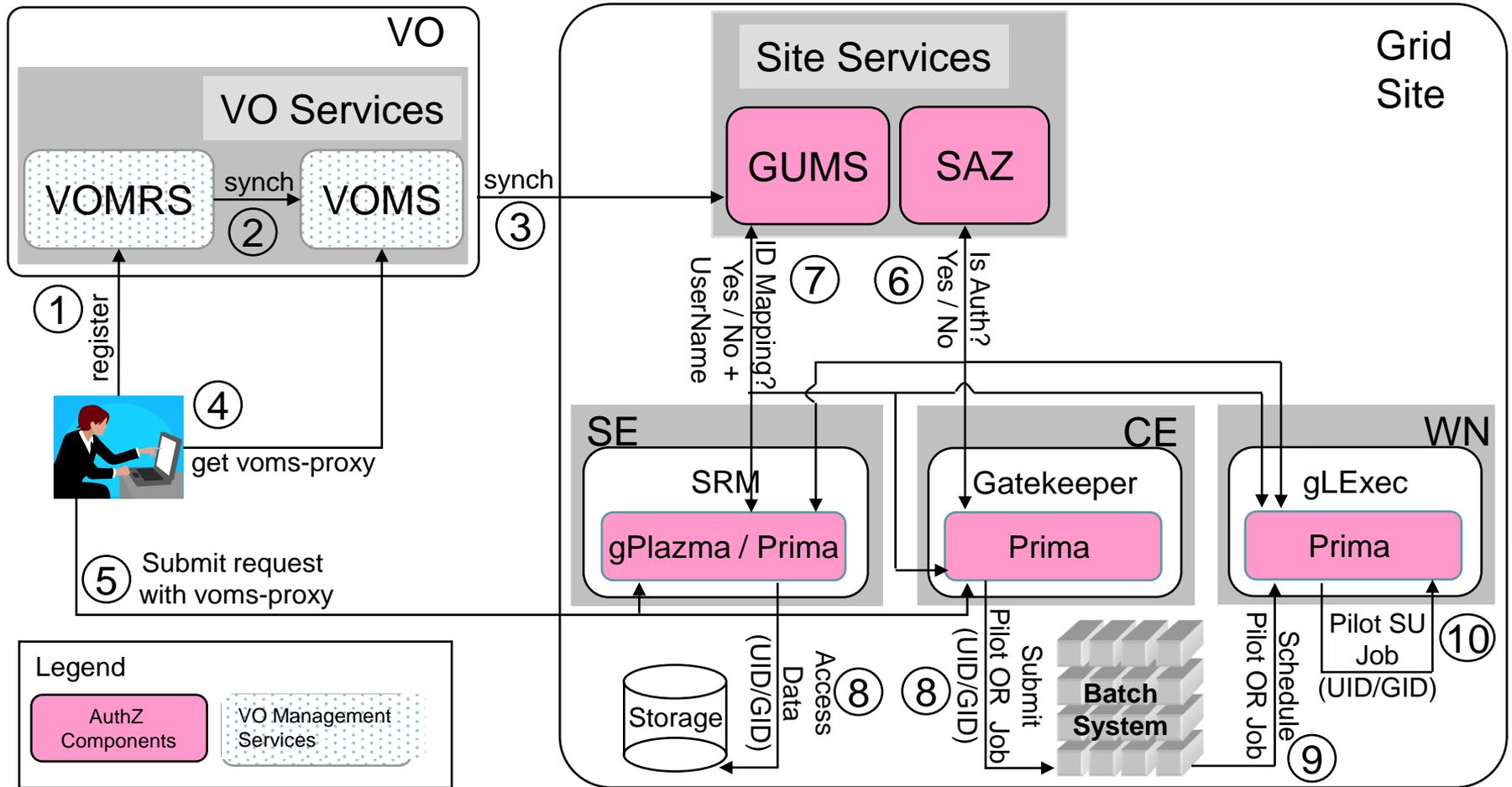


Authorization Interoperability

- WLCG middleware authorizes access to resources via call-outs to Policy Decision Points (PDP).
- Regional grids (OSG, EGEE, ...) deploy different implementations of call-out modules and PDP.
- The Authorization Interoperability project provide
 - A reference authorization profile specification based on XACML
 - New implementations of WLCG authorization infrastructure modules, compliant with the interoperability specifications

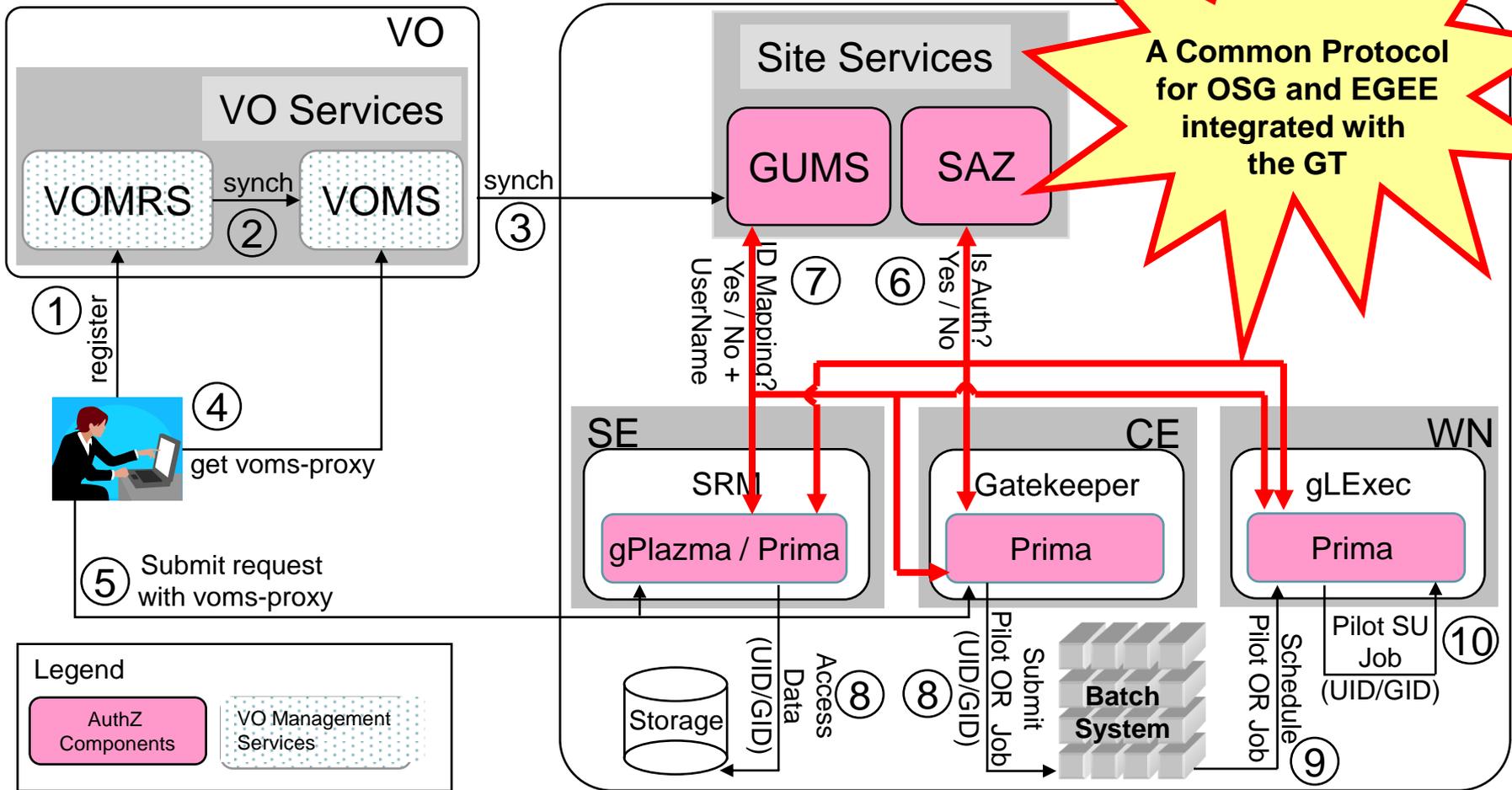


Architecture (the OSG case)





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Project Status

- New middleware implementations:
 - PDP: GUMS and SCAS
 - Middleware vs. Call-out Modules:

Middleware	AuthZ Call-out Module		Resource Controlled
	OSG	EGEE	
pre-WS Gatekeeper	PRIMA	SCAS	CE
WS Gatekeeper	Native	N/A	CE
CREAM	N/A	gLExec	CE
SRM/dCache	gLExec	gLExec	SE
GridFTP	PRIMA	SCAS	SE
gLExec	Native	Native	WN

- The project is scheduled to end at the end of September. See [close-out re-baselined plan](#).
- Ready for deployment early October.



Deployment Document

- Circulated a deployment plan document, still in draft phase
- Both CMS and Atlas saw as possible deploying the new middleware as early as November
- Discussing with ITB the deployment process for “incremental” upgrades



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The Globus Incubator Projects

- The VO Services project has brokered a collaboration between Globus, INFN-BO, and Fermilab (dCache/gPlazma) for the “VOMS-PIP” Incubator Project
- The VOMS Policy Information Point is a parser for VOMS-extended X509 proxies. The parser is compliant with the Authorization Interoperability profile
- Incubator projects are the collaborative code development process of Globus
- Finished incubator products can be distributed with the Globus Toolkits



The process needs to be straightened out...

- The only remaining hindrance to the collaborative process is the compatibility of software licenses
 - Globus uses an Apache-like
 - gPlazma uses FermiTools (BSD-like)
- Addressing this as a briefing on the FermiTools license with CD Management
- Important for FNAL / ANL collaborations



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The main goals of Phase III have been addressed



- Ongoing Maintenance and Support
- Authorization Interoperability (Due Oct 08)
- Investigate Mechanisms to Define and Enforce VO and Site AuthZ Policies (SBIR Phase I Done)
- Validation tool to check consistency of site AuthZ configuration (1st release Done)



What's left from the WBS?

- Maintenance and Support (Ongoing)
- VOMRS → VOMS-Admin convergence (Started)
- Improvements to the infrastructure
 - Site AuthZ Config Validator: RSV probe v2 (Not Started)
 - Better VOMS attribute validation (Not Started)
 - Check VOMS server identity before synchronization. Smarter failure reactions. Etc.
 - Move to the paradigm of AC validation at the PEP
- Definition and Enforcement of VO and Site AuthZ Policies (SBIR Phase II w/ TechX) (Started)
- Requests for more documentation on AuthZ parameters (Not Started)
- Integrating the infrastruc. with Shibboleth (Not Started)



Should there be a Phase IV ?

- VO Services today:
 - Single project entity
 - Maintains and prioritize WBS
 - Single project entity in CD reports, plans, budget
 - Single liaison with stakeholders on behalf of component projects
 - Coordinates work and communication across components (VOMRS, GUMS, Prima, ...)
 - Runs Sub-Projects (AuthZ Interop, Policy, ...)



The proposed alternative

- Move components to maintenance-only mode
- Associate component call-out modules w/ component projects: gLExec w/ WMS, gPLazma w/ dCache (as today)
- Place orphaned components e.g. move Prima to maintenance/operations
- Possibly maintain a contact person to redirect inquiries to the appropriate component project and maintain a list of “small” requests
- Changes to the infrastructure as a whole are managed as independent projects (e.g. AC Validation at PEP, Shibboleth integration, etc.)
- “Started” activities will be carried over

Pros. and Cons. of the new way

Pros (proposed way)

- No single multi-year scope-changing subproject-composite umbrella “project”
- Promotes the transition to maintenance
- Promotes more stable infrastructure
- Possibly frees up resources

Cons

- Infrastructural changes require procurement of resources
- Possibly results in worse inter-component communication
- Promotes less flexible infrastructure
- Stakeholders need to deal with multiple projects



Conclusions

- AuthZ Interop is planned to finish development in September. Now planning for deployment.
- Participating in Globus Incubator projects need clarifications on licensing issues
- Phase III could be closed. Should we open Phase IV or change paradigm ?