

Privilege Project

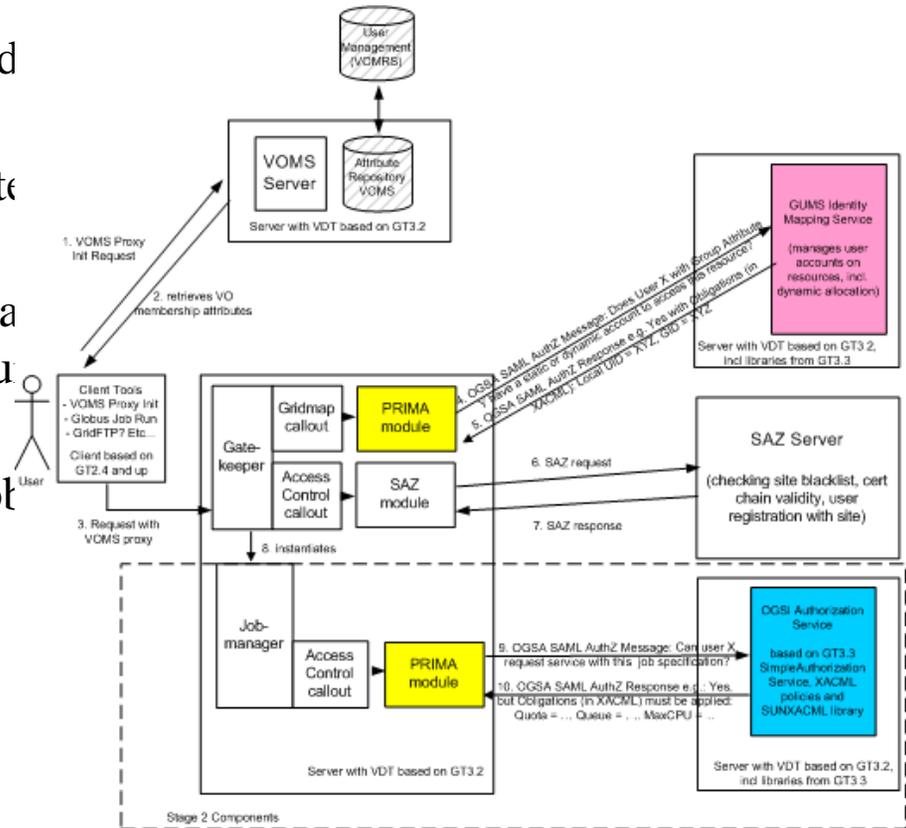
Ian Fisk
GDM Report
February 8, 2005

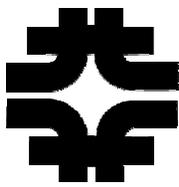


Project Drivers & Scope

- The primary goal of this phase of the project was to deliver the execution call-out for finer-grained authorization of processing resources
 - Generate an extended proxy based role information stored in VOMS
 - Module to parse extended attribute certificates
 - Communicate the information to an identity mapping service in a secure manner
 - Return the information to the Glot gatekeeper
 - Map the user to a specified UID

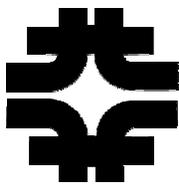
Version 3 - 2004-08-05
mlorch@fnal.gov





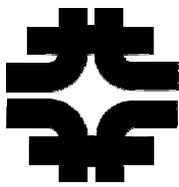
What we can do with that

- Three possible installation methods
 1. Do nothing. In the process of verifying the extended proxies don't interfere with sites that have not added a callout
 - Try not to break anything
 2. Install basic mappings in GUMS that maps most users to old Grid3 group accounts. Very coarse mapping for users to perform VO level administration tasks
 - Would already make a better system for user analysis
 3. Use pools of user accounts to map individuals to separate accounts that are maintained for the life of the certificate. Keep coarse mappings for users to perform VO administration tasks.
 - Improve tracking of users and satisfy some sites with problems with the current techniques
 4. User individual accounts for everyone mapped with GUMS. Admin accounts for people with extended proxies
 - Satisfy all sites with problems regarding group accounts

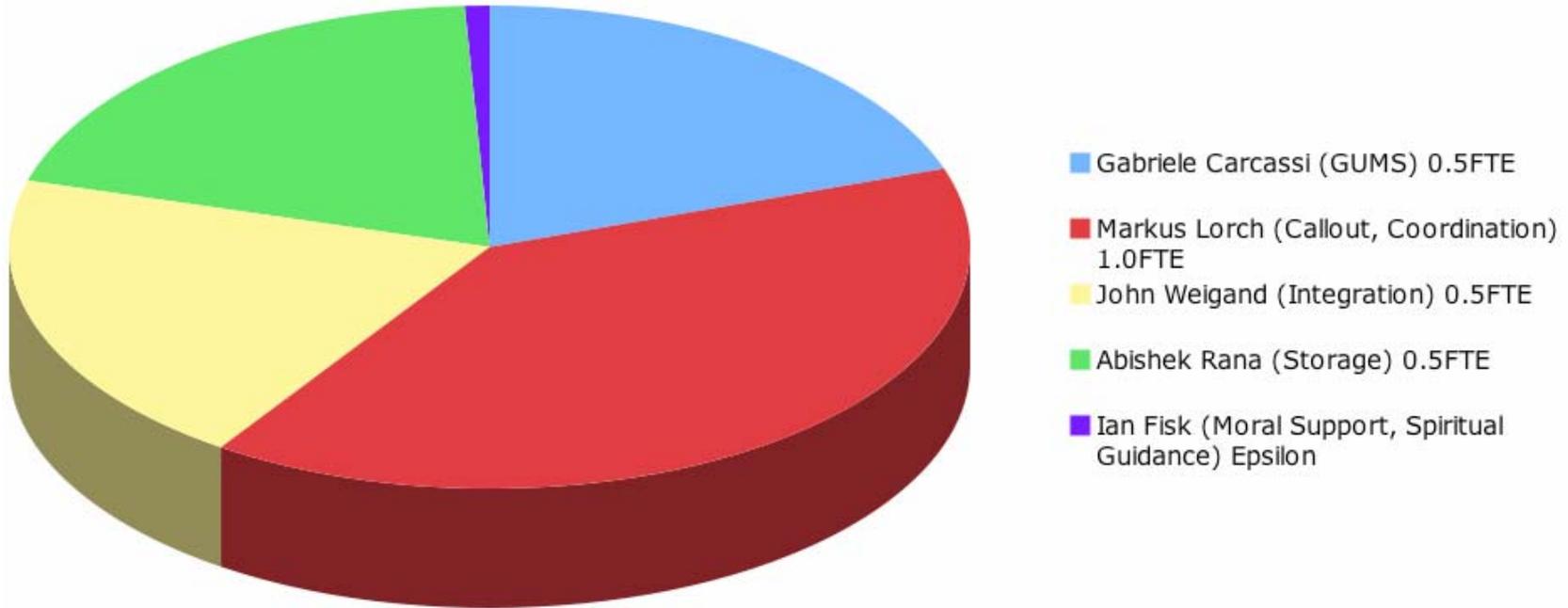


Project Milestones

- We are on schedule to role of phase one functionality for the OSG deployment workshop
 - End-to-end testing works
 - Working on packaging, testing, deployment, and documentation
 - Basic binary distributions look good.
 - Working on getting into VDT packaging, compilation, and deployment
- This is an on-going program of work
 - Storage Interface is close to working
 - Intended for dCache SRM
 - Should also work for DRM
 - Service level authorization is still a goal
 - Would be interesting for site security
 - Glide-in applications and services



Effort Profile



- Basic Support for deployment support should take about 0.25FTE
 - Should decrease as packaging and experience improves
- Development of phase 2 requires about the effort we have



Risks

- Due to the hard work of a lot of folks, we basically have what we wanted for processing
 - Need to finish the same basic functionality for storage
- We have to replace Markus Lorch who is going back to Germany
 - Markus was a huge asset he'll be hard to replace
- We tried to meet the needs of US-CMS, US-ATLAS, and OSG. We could have easily missed SAM-Grid or FermiGrid requirements.