

## Privilege Project Status Report

The Privilege Project is reaching the close of phase 1 of the project and will enter a maintenance and operations phase. Privilege is a technology project and has met the goals that were set out during the spring of 2004.

- The use of extended attribute certificates to enable finer grained authorization on computing and storage elements has been demonstrated.
  - Users are able to select the role for the activity they wish to perform and the site can respond accordingly.
- Technology to provide consistent user mappings across grid services at a site has been deployed.
- The technology has been provided to OSG and put into VDT.
  - There have been successful deployments through the OSG Integration Testbed.

The final step of phase 1 is to demonstrate the storage element callout on a wider collection of sites. The computer element callout has been extensively deployed. The storage element callout is still in beta testing. A successful demonstration of functionality and stability is defined as deployment in the CMS dCache/SRM installation at FNAL and one US-CMS Tier-2 facility.

The transition into maintenance and operations will manifest itself in several ways. The frequency of privilege meetings will decrease from once per week to once every other week, and conceivably would reduce further as operational stability is achieved. The effort in Privilege components will decrease. We expect to use 25% of one developer to support the PRIMA callout infrastructure. We expect another 25% in GUMS support. These levels will hopefully decrease in time, but we expect to require this level of effort from now until the end of the summer.

The development aspects of the Privilege Project will largely go on hiatus. The next phase of the project should be a technology deployment project to support site publishing site policy, verifying compliance with site policy by a support VO, and other technology components to facilitate trust relationships between VOs and resource providers.

We expect to propose the creation of a Policy, Publication and Trust project within the context of the OSG. This is primarily a requirements, documentation, and design project. The deliverable should be a road map for an architecture for technology to support defining and publishing site policy and verifying enforcement of policy. Phase two of the Privilege Project would adopt some of those deliverables.