



Enabling Grids for E-scienceE

MWSG summary

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Joni Hahkala & Oscar Koeroo

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- 1. Make the grid more accessible without substantially increasing the risk (Bob Cowles)**
 - **The importance of Security and Policy on the one hand and the mention that the average (potential) user of the grid find the security model very difficult**
 - **Somehow we have to make use of the grid more accessible without substantially increasing the risk**
 - **Result: in-conclusive...**

2. **TLS-AuthZ - description, status, legal (Simon Josefsson)**
 - **"TLS-AUTHZ" is a protocol to convey authorization information over TLS channels. It supports both X.509 Attribute Certificates and SAML Assertions for the authorization**
 - Base upon extending (and keeping compatible with) GNU-TLS

3. AuthZ interoperability (Gabriele Garzoglio)

- **Time constraints from EGEE and OSG for the release of an alpha/beta globus library. Two features are key in order to begin testing:**
 - support for parsing/manipulating obligations
 - availability of a C library to write client software
- **What features of the C library are essential to write client software**

4. Shib in gLite, phase 3 (SAML) (Christoph Witzig)

- **Phases:**
 1. SLCS: Short Lived Certificate Service
 2. VASH: VOMS Attributes from Shibboleth
 3. Add SAML support to resources
- **Options for phase 3**
 - Embed SAML assertions in certificate (from SLCS)
 - Extend certificate-based security infrastructure with SAML
 - SAML-enable selected grid-resources

5. Grid access toolkit for MS Windows (Daniel Kouril)

- **Plan and current status about the "grid access toolkit for MS Windows"**
 - Containing basic Windows tools that are necessary to access grid UI machines
 - Management of proxy certificates and gsi-enabled ssh/scp clients

6. VOMS Usage in various MW (Oscar Koeroo)

- Trying to find out how VOMS is used in the various parts of the MW
- OSG & OMII-Europe are not dealing with VOMS at the intra-VO level yet...

will be discussed later...

7. Guidelines for VOMS Usage (Vincenzo Ciaschini)

- **Given clarity about the interpretation of the FQANs and Generic Attributes**
 - Groups are non-deniable and roles must be explicitly requested
 - GAs can be used as:
 - Authorization decisions like the SAML-AAs from VASH
 - Grid Environment Variables; discarded by the Grid MW
 - ... still keeping an information gap which needs to be solved with regards to VOMS usage in the MW

8. Interoperability in OMII (Morris Riedel)

- **The different environments:**
 - gLite, UNICORE, Crown, others
- **Central VOMS Server to enable Grid MW interoperability in AuthZ.**
 - SAML-based VOMS server will enable support for more usage patterns
 - VOMS is the centric constant between the Grid environments

9. GridSite update (Andrew McNab)

- **Covered some changes to the internal representation of credentials in GridSite**
- **New features of GridSite (core)**
 - Moving all (thinkable) SSL checks from Apache SSL to gridsite-core to perform more extensive checks
 - Function call clean up
 - Documentation

10. glxec/lcas/lcm maps (Oscar Koeroo, Gerben Venekamp)

- **GT4 integration of LCAS and LCMAPS**
- **Glxec, LCAS and LCMAPS in VDT**
- **SAML-XACML protocol in collaboration with OSG and Globus**
- **Code hardening with positive effects at FermiGrid**
 - Less little peculiar failures

11. CRL distribution using L&B (Daniel Kouril)

- **Showed the re-usage of the L&B to transport other types of information securely, fast and reliable**
 - Showed query possibilities
 - Notification interface and the robust delivery
 - Demonstration of the LB potential

**The next MiddleWare Security Group Meeting
will be held at the
EGEE Conference in Budapest**