EGEE - Security Overview

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Information Society

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EAC do not see enough uptake
by other projects from
the EGEE security architecture:

"A common security infrastructure with other
EU projects must be established"

- **Site Security**
  - Site Access Control Architecture and other over all guiding security documents (Covered by JRA3)
  - Policy Management Authority (Covered by JRA3, David Groep)
  - Policy work (Covered by JSPG, EGEE and OSG)
  - Operational Security (Covered by OSCT, EGEE and OSG)
- **Middleware Security**
  - Security Architecture (Covered by JRA3, Olle Mulmo)
  - Directions for reengineering and other over all guiding security documents (Covered by JRA3)
  - Security Modules for gLite (Delivered by JRA3)
  - Management of Middleware Security including handling of security requirments on gLite (Covered by MWSG, requirements together with PTF)

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- **Site Security**
  - Site Access Control Architecture (eIRG, OSG, EUGridPMA, GGF CAOPS)
  - Policy Management Authority (EUGridPMA, Chair: David Groep JRA3)
  - Policy work (OSG)
  - Operational Security (OSG)
- **Middleware Security**
  - Security coordination follows the lines from other middleware coordination, and exceeds it even since we also explicitly coordinate our authentication and authorization work with GEANT2 though the TENERA TF-EMC2. Consolidated though the endorsement by eIRG.
  - Security Architecture (GGF Security Area Directors: Olle Mulmo JRA3, Dane Skow OSG/FNAL)
  - Directions for reengineering (OGSA driven)
  - Security Modules for gLite (Globus, OpenSSL)
  - Management of Middleware Security (Input from OSG, FNAL)
  - Connections with DEISA established regarding Dynamic Connectivity Service (started in the 2nd EGEE Conf.)
  - Number of members of JRA3 also part of NextGrid initiative.

In one sentence: EGEE security is collaborating very well world-wide, but less in Europe than expected, being an EU project.

EGEE security is driving the common CA effort (chair), and is chair in the joint security policy effort, together with e.g. OSG. This work is indeed complying to the EAC request.

Regarding Middleware, gLite aims at making it easy to integrate other initiatives work, e.g. when using other systems (Permis, Shibboleth, ...). Regarding the reuse of EGEE specific security modules, we do not see many initiatives in surrounding EU projects. Need to create a list of candidates for this. First version of this list on next page.

Candidate	gLite component	Status
DEISA	Dynamic Connectivity Service	Discussion stared at the 2nd EGEE. Component is still a prototype, but addresses some DEISA members' requests.
NEXTGRID	Security Architecture	EGEE influential on the security architecture
MEDIGRID	(To be updated)	(To be updated)

JRA3: Need to get more names on this list!

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"A common security infrastructure with other EU projects must be established"

Do EAC/PO want EGEE security to initiate some kind of European level standardization work, to force / coerce everyone into using the same mechanisms and deployment guidelines for their projects?

While a worthwhile goal in itself, it would require substantial resources and would require a recharter of JRA3.