

JRA3 – SECURITY

Security is vital to the success of the Enabling Grids for E-science (EGEE) project. Security is always a challenge, particularly when crossing national boundaries and covering wide geographic areas.

The purpose of the Security activity is to propose, implement and monitor the project's security architecture. The EGEE Security team defines a security framework and architecture as well as a set of high-level policies that act as guidance to the other activities. Consistency among these items provides the more visible value-added services of the Grid – transparent security and single sign-on.

The security architecture is based on the requirements of both grid users and resource providers. The Security team defines and validates the security architecture in-line with these requirements. The Security team also addresses critical areas such as a basic security policy, incident response, certification authorities trust establishment and policy management.

As part of the middleware and operational security work, the Security team has produced several guiding and operational documents, as well as security components for the EGEE middleware gLite. It is integrating and testing activities for the first release of the gLite middleware

The Security team monitors and participates in the creation of emerging web services security standards and applies them in the context of the EGEE software architecture, reviews how to handle them, and ensures continuous work on Grid security threat analysis.

Together with other activities, the team is active in cross-project collaboration, aiming at a shared security infrastructure within Europe and the rest of the world. The activity chairs the Middleware Security Group (MWSG), a forum where EGEE activities, Global Grid Forum (GGF), Open Science Grid (OSG) and other groups come together to solve security issues regarding middleware security design.

The Security team supports the EUGridPMA effort (www.eugridpma.org), and also provides the first and current chair of the International Grid Trust Federation, which has established a common global trust fabric for research Grids, shared by several EU and national Grid projects as well as international partners. The IGTF, that encompasses not only the EUGridPMA but also the partners APGridPMA in the Asia Pacific Region and The Americas Grid PMA, ensures that all involved parties operate according to, or better than, an agreed and well-documented policy.

Team Contacts

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JRA3 webpages:

<http://egee-jra3.web.cern.ch/egee-jra3/index.html>