

Authentication and Authorization Infrastructure workshop

Wider impact of this work

This workshop is meant to be a meeting point between user communities, infrastructure providers and technology providers. Being hosted within the EGI Technical Forum programme, the workshop is a good opportunity to steer the discussion towards the point of view of the European Grid Infrastructure and the users who are accessing its resources.

Description of the work

This workshop is meant to be a meeting point between user communities, infrastructure providers and technology providers.

High level overview of the proposed sessions:

First part

- Presentations by NGIs and EGI.eu about the current AA solutions used within the existing middleware and emerging federated cloud platforms of EGI.
- Presentations by representatives scientific communities about the use cases and requirements for the integration of diverse AA solutions to the EGI infrastructure.
- Presentations by technology providers and representatives of community support teams about emerging AA solutions and software tools that already exist or could be integrated with the EGI infrastructure platform. (for example Identity federations; OpenID; science gateway frameworks; online certificate storages, robot certificate providers)

Second part:

Open discussion focused on identifying commonalities in requirements, in solutions, analysing any gaps between use cases and state of the art; defining an action plan for the more harmonised adoption of emerging AA solutions within the production infrastructure.

The presentation and discussion sessions of the workshop will present state of the art AA solutions from the community, will refine requirements for AAIs and will define next steps for the community towards a more harmonised adoption of emerging AA solutions within EGI.

Printable Summary

Resources of the European Grid Infrastructure provide services based on the main grid middleware platforms. These services use proxy certificates for user authentication and authorisation (AA) purposes.

A growing number of the existing and potential new user communities of EGI consider personal certificate based access as a main barrier of the infrastructure uptake. Some of these communities –together with their supporting NGIs, NRENs and scientific projects –developed ad-hoc solutions to simplify or hide the certificate based AA infrastructure (AAI) for the users

Worldwide coverage, scalability, robustness, integrate-ability with current and emerging EGI platforms and simple usage are the main criteria for a AAI to be adopted within the European Grid Infrastructure. The workshop will bring together representatives from the three main actors of the EGI ecosystem: existing and potential user communities and their support teams, platform technology providers and resource providers.

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Track Classification: Resource Infrastructure services (Peter Solagna: track leader)