Design your community - Authentication and Authorisation Infrastructure (AAI) Workshop

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DESCRIPTION

During the last decade, eduGAIN has enabled millions of researchers to access federated services using the very same accounts that they use at their home organisations. The success of eduGAIN has led many groups to investigate how researchers can use their federated identities and the eduGAIN foundation to collaborate across organisational and national boundaries. Initiatives like the TERENA AAA Study, the FIM4R working group and the AARC project series have been investigating various aspects of the challenges involved in
using federated identities for the authentication and authorisation in research collaborations.

One day workshop (approx. 9.00am-3.00pm)

Workshop overview

1. **Overview of Authentication and Authorisation for R e s e a r c h and Collaboration (AARC) and eduTEAMS**
    30 minutes

The day will commence with an overview about AARC and eduTEAMS to educate and share knowledge about the latest deployments and how this could be used to enhance research in Australia and globally.

2. **AARC Blueprint Architecture (BPA)**
    2 hours (spilt over morning tea)

The main outcome of the AARC project is the AARC Blueprint Architecture (BPA) and will be presented during the proposed workshop. The BPA provides a set of interoperable architectural and policy building blocks for software architects and technical decision makers, in charge of designing access management solutions for international research collaborations.The BPA comes with a set of accompanying policy framework and implementation guidelines. The BPA offers a design pattern that has emerged as a best practice for implementing interoperable authentication and authorization solutions for accessing and sharing resources in international research collaborations and infrastructures.

3. **eduTEAMS best practice**
    1 hour

during the session we are going to present how eduTEAMS, the GEANT platform that implements the
BPA to enable digital communities across a spectrum of disciplines. and sizes to use best practices.

eduTEAMS from GÉANT, the pan-European data network for research and education, and CILogon from the National Center for Supercomputing Applications (NCSA) at the University of Illinois at Urbana- Champaign, enable members of the research and education community to create and manage virtual teams and securely access and share common resources and services. Both the eduTEAMS and CILogon platforms provide a central point for communities to manage membership, connect to trusted identity sources, and define and apply access and sharing policies.

4. Understanding the Asia Pacific regions requirements for mapping AARC to BPA
1 hour

As part of this interactive workshop we invite research collaborators in the Asia Pacific region to present their requirements and see how we can map them to the AARC BPA.

Hands on session:
- Invite 3-4 research communities to present their requirements and see how the BPA can address them.

The proposed schedule is as follows

Overview of the AARC BPA and related deployments:

- The AARC BPA and updates on its latest developments
- Overview of the key policy frameworks that should be used for the BPA
- The main guidelines to deploy the BPA
- An overview of the current research collaborations that are deploying the BPA
- eduTEAMS
- CILogon
- Interactive research community session

The workshop will be conveyed by Licia Florio, Christos Kanellopoulos from GÉANT, Jim Basney and Scott Koranda from CILogon and Heath Marks from Australian Access Federation (AAF).

WHO SHOULD ATTEND

This workshop would be suitable for:
- Research infrastructure providers
- University Research Offices
- University IT research teams
- IT folk involved with identity and access management