eduTEAMS: “Virtual Organizations made easy”

Christos Kanellopoulos, GÉANT
May 2019:
101 Roaming Operators
18 Pilots
250+M authentications / month
June 2019:
61 Federations active
6 Federations with voting rights in process of joining
5587 entities
Advancing Technologies and Federating Communities

A Study on Authentication and Authorisation Platforms For Scientific Resources in Europe

FINAL REPORT
A study prepared for the European Commission

CERN-CFP-2008-0026
24.08.2003
Federated Identity Management for Research Collaborations

This white-paper expresses common requirements of Research Communities seeking to leverage Identity Federation for Authentication and Authorisation. Recommendations are made to Stakeholders to guide the future evolution of Federated Identity Management in a direction that better satisfies research use cases. The authors represent research communities, Research Services, Infrastructures, Identity Federations and Interfederations, with a joint motivation to ease collaboration for distributed researchers. The content has been edited collaboratively by the Federated Identity Management for Research (FIM4R) Community, with input sought at conferences and meetings in Europe, Asia and North America.

The authors also acknowledge the support and collaboration of many other colleagues in their respective institutes, research communities and IT infrastructures, together with the funding received by these from many different sources. These include but are not limited to the following: (i) The Worldwide LHC Computing Grid (WLCG) project is a global collaboration of more than 170 computing centres in 43 countries, linking up national and international grid infrastructures. Funding is acknowledged from many national funding bodies and we acknowledge the support of several operational infrastructures including EGI, OSG and NDGF/NeIC. (ii) EGI acknowledges the funding and support received from the European Commission and the many National Grid Initiatives and other members. EOSC-hub receives funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No 777536. (iii) The work leading to these results has received funding from the European Union’s Horizon 2020 research and innovation programme under Grant Agreement No. 730941 (AARC2). (iv) Work on the development of ESGF’s identity management system has been supported by The UK Natural Environment Research Council and funding from the European Union’s Seventh Framework Programme for research, technological development and demonstration through projects IS-ENES (grant agreement no 228203) and IS-ENES2 (grant agreement no 312979). (v) Ludek Matyska and Michal Prochazka acknowledge funding from the RI ELIXIR CZ project funded by MEYS Czech Republic No. LM2015047. (vi) Scott Koranda acknowledges support provided by the United States National Science Foundation under Grant No. PHY-1700765. (vii) GÉANT on behalf of the GN4 Phase 2 project (GN4-2). The research leading to these results has received funding from the European Union’s...
A service to enable use of federated identity management in research & academic collaborations

Partner for any e-Infra or Research Infra including “long tail”, informal groups

Components
- Proxy & Identity Hub
- Membership Management service
- Discovery Service
- Metadata Service
- Second Factor Authentication (Pilot!)

Characteristics
- Full implementation AARC Blueprint Architecture
- Single- and multi-tenant options
- Sustainability and strategic partnerships

https://www.eduteams.org
• Users sign in to services with their **community identity** via eduTEAMS

• Users **register once and access any service** (available to the their community)

• Reduces complexity for Service Providers by providing **one integration point for all services**

• Integration with GÉANT, EOSC and other communities and/or eduGAIN services
European Open Science Cloud
European Open Science Cloud
European Open Science Cloud
eduTEAMS Service
Provided by GÉANT to small and medium sized communities who want to get started with their virtual collaborations and take full advantage of the federated access without having to deal with the complexity of operating and supporting their own AAI. Supports multiple communities on the same platform. Provides everything required in order to securely collaborate and use services available to the GEANT community and European Open Science Cloud.

deduTEAMS Dedicated
For communities requiring full control of their AAI, GÉANT can host and operate their own, dedicated AAI Service powered by the eduTEAMS technology. Communities can rely on the operational capabilities and expertise of GÉANT, while they are in full control of the policies, configuration and branding of their AAI.

deduTEAMS Bespoke
For those communities who require tailor-made functionality, such as integration with custom back-office and front-office systems, new features or enhancing their existing AAI with new functionality available in eduTEAMS, GÉANT can provide bespoke solutions based on the eduTEAMS technology, which can include a combination of consultancy,
eduTEAMS Service

- Shared platform that can be used by small - medium communities and the long tail of science
- Managed and operated by GEANT
- eduTEAMS branding & eduTEAMS community identifier
- eduTEAMS service policies
- Connected to EOSC (GEANT, EGI and EUDAT services)
- Onboarding of community specific services
eduTEAMS Service

- Shared platform that can be used by small - medium communities and the long tail of science
- Managed and operated by GEANT
- eduTEAMS branding & eduTEAMS community identifier
- eduTEAMS service policies
- Connected to EOSC (GEANT, EGI and EUDAT services)
- Onboarding of community specific services

eduTEAMS Dedicated

- Dedicated, white-label service offering, specific to a community
- Managed by the community, operated by GEANT
- Community branding & community specific identifier
- Community managed policies
- Can be connected to EOSC (GEANT, EGI and EUDAT services)
- Onboarding of community specific services
**eduTEAMS Service**

- Shared platform that can be used by small-medium communities and the long tail of science
- Managed and operated by GEANT
- eduTEAMS branding & eduTEAMS community identifier
- eduTEAMS service policies
- Connected to EOSC (GEANT, EGI and EUDAT services)
- Onboarding of community specific services

**eduTEAMS Dedicated**

- Dedicated, white-label service offering, specific to a community
- Managed by the community, operated by GEANT
- Community branding & community specific identifier
- Community managed policies
- Can be connected to EOSC (GEANT, EGI and EUDAT services)
- Onboarding of community specific services

**eduTEAMS Bespoke**

- Bespoke solution with tailor-made functionality
- Ownership model depended on the solution, operated by GEANT
- Consultancy, development and hosting of the service.
### We are working on it

- **Feature** Component:Proxy
  - Active Role Selection

- **Feature** Component:Step-up
  - Support for the Pilot Step-up Authentication Service

- **Feature** Component:Proxy
  - Component:Webapp
  - IdP Attribute Release Check

- **Feature** Component:Webapp
  - Improved registration flow for Service Providers

- **Component:** Webapp
  - New eduTEAMS website

- **Feature** Component:TTS
  - Support access to services that require certificate based authentication

### Coming soon

- **Feature** Component:Proxy
  - Improvements in the generation of the eduTEAMS user identifier

- **Compliance**
  - Support for Sirtfi on the eduTEAMS Service

- **Compliance**
  - Update of the Acceptable Usage Policy for the eduTEAMS Service

- **Component:** MMS
  - Upgrade to Perun v3.3.1

- **Compliance**
  - Feature Component:Proxy
  - Improved AUP acceptance process

- **Feature** Component:Proxy
  - Support of stepping up authentication flows in the eduTEAMS proxy

- **Component:** MMS
  - Upgrade to COmanage 3.2

### Just shipped

- **Feature** Component:MMS
  - Improved support for entity categories in the SAML metadata

- **Component:** MMS
  - UI improvement on COmanage

- **Component:** MMS
  - UI improvements on HEXAA

- **Component:** MMS
  - UI improvements on Perun

- **Compliance**
  - Feature Component:Webapp
  - Improved backend integration with COmanage and HEXAA

- **Component:** MMS
  - Improved support for account linking

- **Compliance**
  - Feature Component:Proxy
  - Improved support for informing the users about the attributes released to connected services
Thank you

https://www.eduteams.org

support@eduteams.org