eduGAIN and federated services

Davide Vaghetti
eduGAIN service owner
GARR

Rome, 27th Feb 2019
eduGAIN and federated services

- eduGAIN Support
- eduGAIN Incident Response
- eduGAIN Metadata Distribution Service (MDS)
- eduGAIN Validator
- eduGAIN Entities Database
- eduGAIN Technical site (and APIs)
- eduGAIN Connectivity Check (ECC)
- eduGAIN isFederated Check (EIFC)
- eduGAIN Access Check (EAC)
- eduGAIN Attribute Release Check (EARC)
- eduGAIN Code of Conduct Monitor (ECOCM) monitor
- Sirtfi contact check service
- F-Ticks based eduGAIN statistics collection and presentation service
- Campus IdP Toolkit (ansible playbook to install an IdP)
- Federation-as-a-Service (FaaS)
eduGAIN and federated services

- eduGAIN Support
- eduGAIN Security Incident Response
- eduGAIN Metadata Distribution Service (MDS)
- eduGAIN Validator
- eduGAIN Entities Database
- eduGAIN Technical site (and APIs)
- eduGAIN Connectivity Check (ECC)
- eduGAIN isFederated Check (EIFC)
- eduGAIN Access Check (EAC)
- eduGAIN Attribute Release Check (EARC)
- eduGAIN Code of Conduct Monitor (ECOCM) monitor
- Sirtfi contact check service
- F-Ticks based eduGAIN statistics collection and presentation service
- Campus IdP Toolkit (ansible playbook to install an IdP)
- Federation-as-a-Service (FaaS)
eduGAIN service teams

eduGAIN Technical Operations
Tomasz Wolniewicz

Federation as a Service
Nebojsa Ilic

eduGAIN Monitoring
Mario Reale

eduGAIN Support
Thomas Baerecke

eduGAIN SIRT
cool security guys
eduGAIN service customers and stakeholders

Identity Federations
E-infrastructure
Research Infrastructure
Research Collaboration
Service Providers (ORCID)
Identity Providers
 Others?

The eduGAIN top level governance is composed by GEANT NRENs only.

The eduGAIN Steering Group is composed by identity federation delegates.

The eduGAIN service offering and current development is strongly focused on Identity Federations.
eduGAIN service - engagements

- NRENs and (new) Identity Federations (on boarding)
- Research communities
- Standardisation bodies (OASIS, OIDC, IETF, etc.)
- REFEDS
- KANTARA
- EU eIDAS
- RA21
- Any other?
What’s next

Upcoming events

• 27th February - 1st March: eduGAIN All-hands meeting - Rome
• TBD: eduGAIN Steering Group meeting
• April 29th: OIDF workshop (IIW)
• 16-20 June: TNC19

Upcoming deliverable and services

• eduGAIN policy and operation documents
• SIRTFI contact checking service
eduGAIN

Technical Operations

Federation as a Service

Support
Security Incident Response

Monitoring and Stats

59 Identity Federations
2994 Identity Providers
2356 Service Providers

KPIs
99% Metadata Service Availability
+15% Membership

GÉANT PMC
eduGAIN and federated services:

- Operations and DevOps activities, that include: eduGAIN Metadata Service (MDS) and validator, Federation as a Service (FaaS), campus identity provider (IdP) toolkit, technical portal, Wiki pages and a range of supporting tools to underpin the statistics, troubleshooting and verification, etc.

- Support, that includes: second-and third-line support, enhanced support for complex use cases and large collaborative organisations, coordination for security incidents and support for SIRTIFI deployment and training delivery, as needed.

- Engagement with identity federations, wider (research) communities and standardisation bodies, that include: onboarding new identity federations, engagement with the stakeholders via eduGAIN Steering Group (SG) and other initiatives such as FIM4R, contribution to global standards and assessing the impact of new standards on eduGAIN (in collaboration with Task 4).

- Development activities that include: new aggregator rules used in the MDS, in collaboration with Task 2, investigate usage of new protocols and standards), statistics for federated access and developments to support the maturity work.

- Maturity activities that include: support for identity federations to adopt best practices, such as implementing entity categories.
THANKS!
davide.vaghetto@garr.it