• eduGAIN Service organisation & status

• Roadmaps:
  • eduGAIN Operations
  • eduGAIN checking services
  • Support
  • Training
  • CSIRT
  • OIDC POC
eduGAIN Service components

- Technical site
- MDS
- Validator
- ECCS
- EARC
- EAC
- CoCo Monitor
- Reporting
- F-Ticks
eduGAIN OT

Technical site

Validator

MDS

https://technical.edugain.org/
eduGAIN Checking tools

eduGAIN Connectivity Check Service

eduGAIN Access Check

eduGAIN Attribute Release Check

Reporting and monitoring

Reporting

F-ticks

CoCo monitor

https://reporting.edugain.org/

https://f-ticks.edugain.org/

https://monitor.edugain.org/coco/
Software repositories

https://gitlab.software.geant.org/edugain
eduGAIN Service teams

- Secretariat & Business development
- eduGAIN OT
- Reporting & F-Ticks
- ECCS/EARC/EAC maintainers
- Training
- CSIRT
Issue handling

- general
- metadata
- joining
- policy
- tooling
- security

- support@edugain.org
- abuse@edugain.org
- gitlab issues

Support
- Secretariat & Business development
- eduGAIN OT
- ECCS/EARC/EAC maintainers
- Reporting & F-Ticks
- Training
- CSIRT
# eduGAIN Operations Development roadmap

<table>
<thead>
<tr>
<th>2023</th>
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<tbody>
<tr>
<td>Q2</td>
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<tr>
<td>Q4</td>
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- **2023**
  - Q2: New architecture and OLA development
  - Q3: Preparation work for the new architecture
  - Q4: New architecture deployment

- **2024**
  - Q1: Preparation work for the new architecture
  - Q2: New architecture deployment
# eduGAIN Operations Deployment roadmap

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- **Duplication of the Core Services Infrastructure**
- Ongoing improvements & eduGAIN Futures WG recommendations implementation
A new eduGAIN core services model

- Fully automated deployment
- Replicable architecture
- Built in high availability
- Geographically distributed
- Release based development
## eduGAIN Checking tools

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<tr>
<td>Move eduGAIN supporting tools to dockerised enviroment</td>
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<td>Adapt the tools in support of implementnation of eduGAIN futures working group</td>
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<td>eduGAIN Reporting tool update</td>
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### eduGAIN Support

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- **Onboard new team members and update onboarding documentation**
- **Exploratory activities: support for WP5 T&I services**
- **Based on the results of the exploratory activities, update the roadmap**

**Continuous improvement of support documentation**
# eduGAIN Training

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</table>

- Deliver trainings based on the need from the community
- Deliver webinars (eduGAIN tooling, etc.)
- Adapt training material for self learning
- Deliver webinars (software and technology within T&I)
- Transfer the material to GLAD platform
## eduGAIN CSIRT

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<tr>
<th>Set up rota and response process</th>
<th>Trusted Introducer admission</th>
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<tbody>
<tr>
<td></td>
<td>Plan and run an inter-federated security incident simulation</td>
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Outreach, networking and communication challenges
eduGAIN OIDC Federation PoC

Planning PoC

- Involve OIDC Fed implementers
- Leverage the Incubator work
- Engage the eduGAIN community
- Develop tools for federation operators (no OPs, no RPs)
- Draft an OIDC Fed profile for eduGAIN

Run the PoC

- Set up an OIDC Fed pilot
- Recruit participants in the eduGAIN community
- Refine the tools, collect feedback and code contributions (hackatons)
- Define a full OIDC Fed profile for eduGAIN
An eduGAIN OIDC Federation Trust Flow

**TRUST ANCHOR**
- .well-known/openid-federation
  - ENTITY CONFIGURATION
    - FEDERATION ENTITY KEYS
    - METADATA
    - CONSTRAINTS

**FETCH ENDPOINT**
- FEDERATION ENTITY KEYS
- METADATA POLICY
- METADATA

**ENTITY STATEMENT**
- FEDERATION ENTITY KEYS
- METADATA

**INTERMEDIATE**
- .well-known/openid-federation
  - ENTITY CONFIGURATION
    - FEDERATION ENTITY KEYS
    - METADATA
    - TRUST MARKS

**Federation**

**ENTITY**
- .well-known/openid-federation
  - ENTITY CONFIGURATION
    - FEDERATION ENTITY KEYS
    - METADATA
    - TRUST MARKS

**TRUST CHAIN**
- FEDERATION ENTITY KEYS
- METADATA POLICY
- METADATA

**Leaf**
- .well-known/openid-federation
Thank you

Any questions?

davide.vaghetti@garr.it

www.geant.org