Federation as a Service

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**Federation as a Service**

- **Federation as a Service** - FaaS is new GN3+ SA5/T4, April 2013-2015

- **Number facts**
  - 18 federations operational in eduGAIN, 3 in process joining
  - 43 partners in GN3+
  - 21 GN3+ partners doesn’t have WebSSO Identity federation

- Some of those countries are targeted by eduGAIN Federation Support

- FaaS is aimed to assist in providing Identity federation
FaaS Scope

- Identity federation technologies:
  - SAML Identity Federation, access to eduGAIN
  - eduroam
  - Moonshot

- Target groups:
  - NRENs
  - Institutions
  - Large projects
What will be offered? We don’t know yet!

First, we need to understand what are the issues hindering development of Identity federations

Then we can think about the solution for FaaS

Milestones:
- First 6 months is devoted to talking to our target groups – Market analysis
- In September we will start looking at technical solution for FaaS
- By the end of GN3+ is planned to pilot FaaS
Market analysis / Survey

- Oh no, not another survey 😊 Much better way is directly engaging and talking to them!

- Started with NRENs - till now we had 50% success rate – contacted 10ish, talked to 5, on standby 3

- We have a list of questions that we use for conversations, so in the end we can summarize, analyze and compare interviews which we will publish in a report

- We have 3 groups of questions:
  - **General** - where are they standing at this moment with deploying eduroam and Identity federation
  - **Issues** – what are the issues hindering eduroam and Identity federation deployment
  - **Support** – which kind of support they would benefit
FaaS Survey - General

- Size of user community (institutions, end users)
- If the building of WebSSO Identity Federation started, what are the steps done till now
- Are there services in a country that would need WebSSO
- Does user community have need for some international web services
- What is the status of the eduroam deployment
FaaS Survey - Issues

**NREN**
- priority
- funding
- server infrastructure
- knowledge
- manpower
- policy
- no SPs

**Institution**
**Authentication Infrastructure**
- interest
- manpower
- knowledge
- server infrastructure

**Institution**
**Identity Management**
- interest
- manpower
- knowledge
- server infrastructure
- organizing management of user accounts

- no funding
- no priority
- no manpower
- no SP
FaasS Survey - Support

NREN
- Consulting with expert, workshop
- Best practice documents
- Hands on help
- Funding
- Hosting infrastructure
- Metadata management tool

Institution
- Best practice documents
- Making solution in a box
- Hosting authentication infrastructure?
- Hosting IdM and databases?
Similar initiatives

- **Canadian Access Federation – CAF**: Leveraging the Cloud to Deliver Identity Services

- **Italian NREN – GARR**: Shibboleth IdP on-demand

- **Ireland federation – Edugate**: Developing Resource Registry for use by multiple federations

- **You know of some interesting target groups or similar initiatives?**
  
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Thank you!