SWITCH Resource Registry

Federation-as-a-Service Training
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Lukas Hämmerle
lukas.haemmerle@switch.ch
Innovation through participation

SWITCH Resource Registry

Home and General Information
This page provides usage instructions and general information about the federations managed by the Resource Registry.

Resource Registry Usage Instructions
- Resource Registry Guide explaining the basic principles and mechanisms of the Resource Registry
- Resource Registry ScreenCast for first time users on how to register a resource

Federation Information
- Federations: List of federations operated by the Resource Registry
- All Home Organizations: List of approved Home Organizations
- Federation Partners: List of accepted Federation Partners for SWITCHaai
- All available resources: List of approved active and inactive Resource Descriptions
- Search for resources: Search according to name, entityID, Home Organization etc.
- Users from domain switch.ch: Users from your organisation that have used the Resource Registry
- Attribute definitions: List of available attribute names and descriptions
- Attribute release matrix: Which attributes can be released by which Home Organization?
- Resource attribute requirement matrix: Which attributes are requested by which resources?

SWITCHaai Interfederation Statistics
Find below the number of SWITCHaai Service and Identity Providers that enabled interfederation support (e.g. eduGAIN). This is to allow access to users from other education and research federations or to allow the own users access to such services world-wide. Please consult the list of interfederation organizations and list of interfederated services to get an overview about interfederated entities.

Total 57 Identity Providers
Total 822 Service Providers

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### The Initial Problem
Difficulties and Goals

- Editing XML files by hand is error-prone and clumsy
- Managing the federation metadata by hand is cumbersome
- Legal processes should be technically supported
- Multiple federations must be managed

A web-based tool to solve these problems!

Goals for such a Tool:
- Scalable metadata management
- Support administrative processes
- Provide auxiliary functions to support federation
- As little overhead as possible
Before an SP/IdP description becomes part of federation metadata and interfederation, it must be approved by an authority first.
SWITCH Resource Registry Experience

- Resource Registry now 9 years in production operation
- Essential for a scalable and efficient operation of the federation
- Distributing and involving Home Organisation as administrators has worked quite well and saves us some work
- Development constantly continues with new requirements and services