Resource Registry
How to manage Federation metadata and other descriptions

SWITCH

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The Initial <Problem>

```
    </Organization>
</EntityDescriptor>
<!-- Resource Registry -->
– <EntityDescriptor entityID="https://rr.aai.switch.ch/shibboleth">
  – <SPSSODescriptor protocolSupportEnumeration="urn:oasis:names:tc:SAML:2.0:protocol urn:oasis:names:tc:SAML:1.1:protocol">
    – <Extensions>
      – <mdui:UIInfo>
          <mdui:DisplayName xml:lang="en">Resource Registry</mdui:DisplayName>
        – <mdui:Description xml:lang="en">
            The Resource Registry is a tool developed by SWITCH collecting information about Resources and Home Organizations which participate in the SWITCHaai and AAI
          </mdui:Description>
          <mdui:Keywords xml:lang="en">resources aai register authority administration</mdui:Keywords>
      </mdui:UIInfo>
    </Extensions>
    – <KeyDescriptor>
      – <ds:KeyInfo>
        – <ds:X509Data>
          – <ds:X509Certificate>
              MIIDHDCCAgSgAwIBAgIJAKyuqWEMkbhhMA0GCSqGSIb3DQEBBQUAMBsxGTAXBgNV BAMTEHJyLmFhaS5zd2l0Y2guY2gwHhcNMTExMjA1MDczM
              MTE3WjAbMRkwFwYDVQQDExByci5hYWkuc3dpdGNoLmNoMIIBIjANBgkqhkiG9w0B AQEFAAOCAQ8AMIIBCgKCAQEA0BdooNoOCQhs4eHgPuKMi2
              jfGYXkIHUD4mkHFsWE4CqQVSfPcGbLLCj3Kb9O2a34F79mAJJL3VlOUgc3MB4k74 vqqVuql5zLgjzbMZgXeG2pKtBQCilEc0j/34EFFTTPXOG7MWEi8Nd5
              vU47u3BzOzxLIhtMtZcfQonkmgFdms1boE7Ltf5hoaqu/PP5YAPD5fQgLp59FgGT Hj673DDhHlmkpp17Yd4vGhi/zuuWwayqqrQ7McUw2iJjIFqSXndZhSUbOIbL
              sbHy/bTrnltTQ1dHERhQnfl4PWOCw3oc4TVQv9TctksjTwIDAQABo2MwYTBABgNV HREEOTA3ghByci5hYWkuc3dpdGNoLmNohiNodHRwczovL3JyLmFha
              Y2gvc2hpYmJvbGV0aDAdBgNVHQ4EFgQUBXFXLfXgSki1u88YLdYREjH8f14wDQYJ KoZIhvcNAQEFBQADggEBAIpxIxPfUuRcUSJkK6xcWXcjSUF1mU
              j5gmloJlJB0dl1eEMWjoHrhelAFRKnjOx6+HenrP7xWsV2mUAwTH9misPA6qZ0MZ AbW578ed1pZx04iqlsZhAfFC8uh+GgCCnmXl5f8W5LoDN+RDKIZfpodS
              yL1TAZfVVlH+IfmV1qut4u9HjqF3WUJ9hVP15IgjRoh9LbPrSOubJqO69mu4QDcA gv6tFqjiavGvM4p7EMZbcXQMtCajZz5HSLX5GDNLKX+HePKvkSyk0CO
              nhE8VWTzYa85XDuG2QBdczmVAkDom9zZcSMXMtxwmOs=
          </ds:X509Certificate>
        </ds:X509Data>
      </ds:KeyInfo>
    </KeyDescriptor>
    <SingleLogoutService Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-Redirect" Location="https://aai-rr.switch.ch/aaitest/Shibboleth.sso/SLO/Redirect"/>
    <SingleLogoutService Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-Redirect" Location="https://rr.aai.switch.ch/aaitest/Shibboleth.sso/SLO/Redirect"/>
    <SingleLogoutService Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-Redirect" Location="https://rr.aai.switch.ch/Shibboleth.sso/SLO/Redirect"/>
    <SingleLogoutService Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-POST" Location="https://aai-rr.switch.ch/aaitest/Shibboleth.sso/SLO/POST"/>
    <SingleLogoutService Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-POST" Location="https://rr.aai.switch.ch/aaitest/Shibboleth.sso/SLO/POST"/>
    <SingleLogoutService Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-POST" Location="https://rr.aai.switch.ch/Shibboleth.sso/SLO/POST"/>
```

Shibboleth needs SAML 2 metadata to know all entities!

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

The AAI Resource Registry

AAI Resource Registry   SWITCH

Home   Resources | Registration Requests | Home Organizations | Registry Administration   Thomas Baerecke (switch.ch) | Logout   Help

⬆ About AAI
Home

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
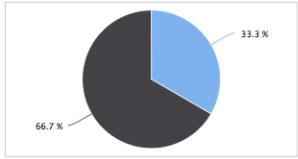- Resource Registry Screencast for first time users on how to register a resource

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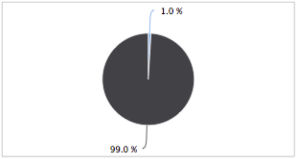
SWITCHaai Interfederation Statistics
Find below the number of SWITCHaai Service and Identity Providers that enabled interfederation support (e.g. eduGAIN). This is to allow access to users from other education and research federations or to allow the own users access to such services world-wide. Please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

Total 60 Identity Providers   Total 838 Service Providers

33.3 %   1.0 %

66.7 %   99.0 %

■ Interfederation-Enabled ■ SWITCHaai only   ■ Interfederation-Enabled ■ SWITCHaai only

Web: https://rr.aai.switch.ch

Resource Registry Processes
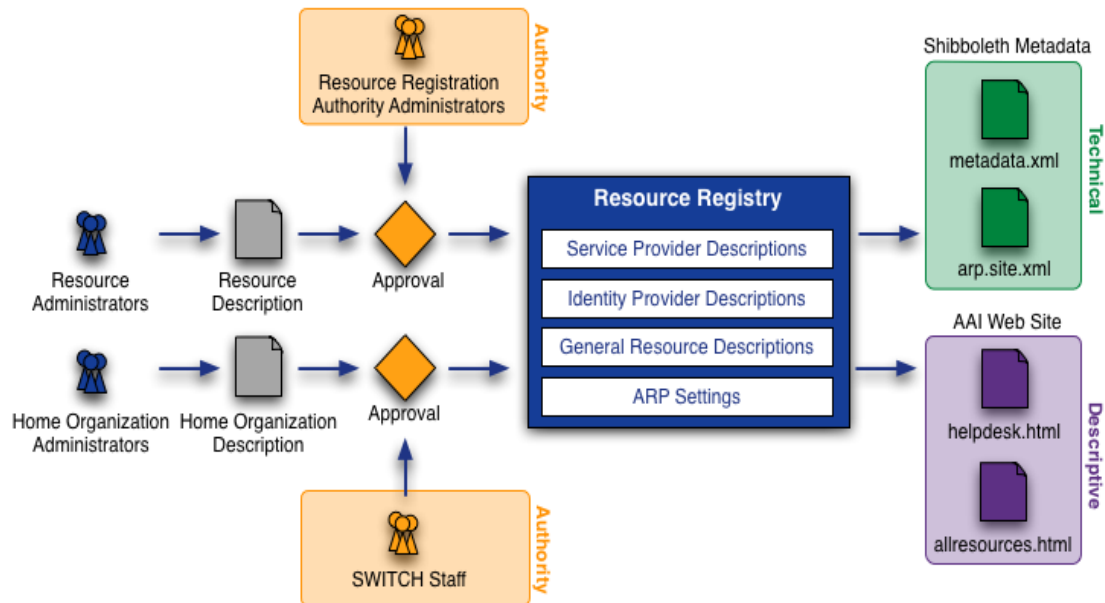
Before an SP/IdP description becomes part of federation metadata, it must be approved by an authority first

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Roles in the Resource Registry

- **Resource Registry Administrator**
  SWITCH staff members. Can edit/delete everything

- **Home Organisation Administrator**
  User that can manages the description/metadata of an organisation
    - **Attribute Administrator**
      Subset of privileges of Home Organisation administrator
      User that can change the attribute release policy of an organisation

- **Resource Administrator**
  Creates and manages descriptions of AAI services/Service Providers

- **Resource Registration Authority Administrator**
  Approves descriptions of AAI services/Service Providers

Output of Resource Registry

- **Metadata,** see **http://www.switch.ch/aai/metadata/**
- **Configuration files** for IdPs and SPs (shibboleth2.xml, …)
- **Helpdesk webpage** shows contact persons/helpdesk for your SP

Your most recently used Resource's helpdesk
Contact the helpdesk of the Resource you wanted to connect to, if you experience **problems after successful login**.

> **Forge: Project Hosting Platform**
> Support Contact: SWITCHaai Team, +41 44 268 15 05

Find the Resource in the list of Resources grouped by Home Organization or in the long list of all public Resources.

- **Public Resource list**, see **http://www.switch.ch/aai/participants/**

AAI Wiki - Waaikiki
No Helpdesk web page specified
  Show contact persons
  Show requested attributes
  Show intended audience
[en] AAI Wiki - Waaikiki