

SWITCH Resource Registry

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

AAI Resource Registry



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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

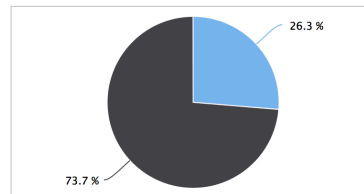
Federation Information

- [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

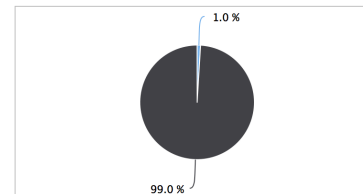
Find below the number of SWITCHaaI Service and Identity Providers that enabled interfederation support (e.g. [eduGAIN](#)). This is to allow access to users from other education and research federations or to allow the own users access to such services world-wide. Please consult the [list of interfederation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

Total 57 Identity Providers



■ Interfederation-Enabled ■ SWITCHaaI only

Total 822 Service Providers



■ Interfederation-Enabled ■ SWITCHaaI only

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The Initial <Problem>



```
</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>
  MIIDHDCCA gSgAwIBAgIJAKyuqWEMkbbhMA0GCSqGSIb3DQEBBQUAMBSxGTAXBgNV BAMTEHJyLmFhaS5zd2l0Y2guY2gwHhcNMTEzMDczM
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  Y2gvc2hpYmJvbGV0aDAdBgNVHQ4EFgQUUBXFLfXgSki1u88YLdYREjH8f14wDQYJ KoZlhvcNAQEFBQADggEBAIpxIxFuRcUSJkK6xcWXcjSUF1mU:
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  yL1TAZfVVIH+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/aatest/Shibboleth.sso/SLO/Redirect"/>
<SingleLogoutService Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-Redirect" Location="https://rr.aai.switch.ch/aatest/Shibboleth.sso/SLO/Redirect"/>
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<SingleLogoutService Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-POST" Location="https://aai-rr.switch.ch/aatest/Shibboleth.sso/SLO/POST"/>
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```

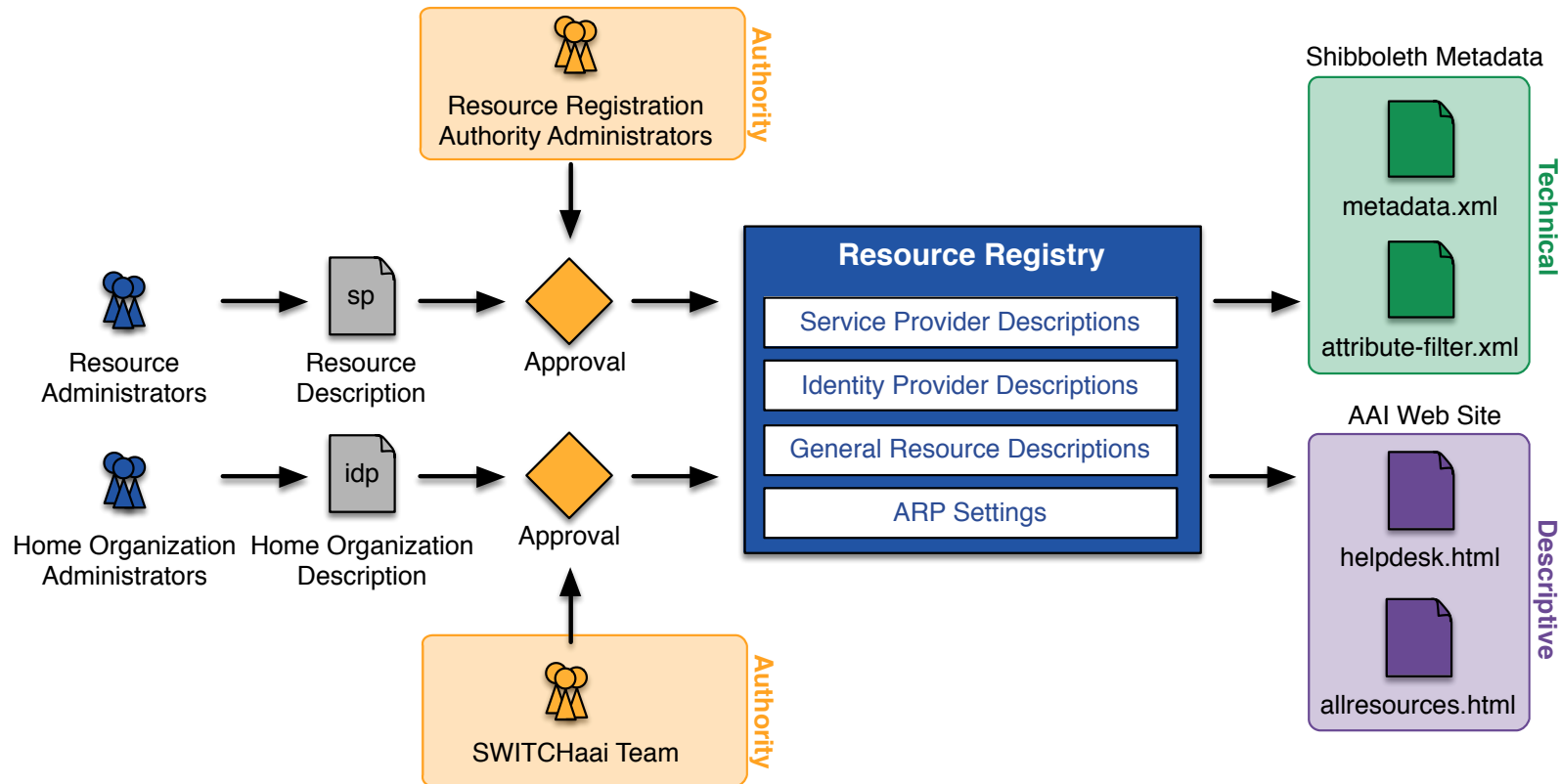
- Editing XML files by hand is error-prone and clumsy
- Managing the federation metadata by hand is cumbersome
- Legal processes should be technically supported
- Multiple federations must be managed

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

SWITCH Resource Registry Processes



Before an SP/IdP description becomes part of federation metadata and interfederation, it must be approved by an authority first

- 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