

Standards for Interoperable OSS Access Management

SAML and OIDC Proxy based FIM architectures and solutions based on Open Source Software

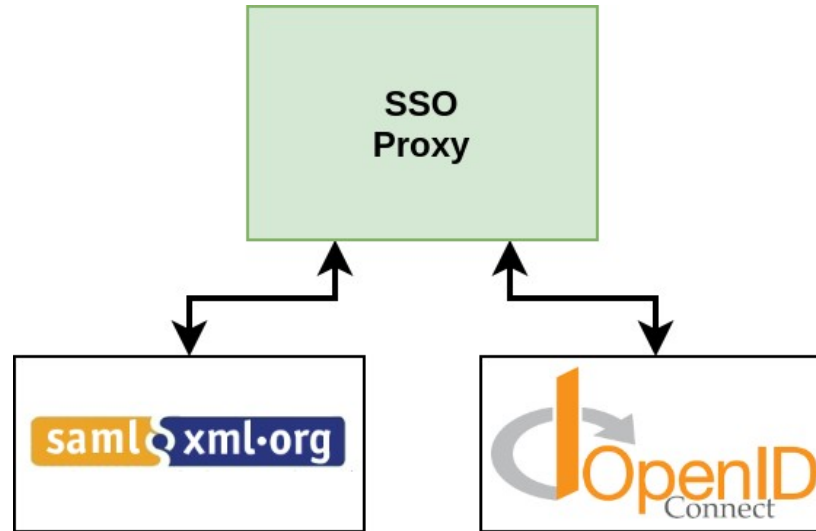
TIIME 2020

2020/02/18

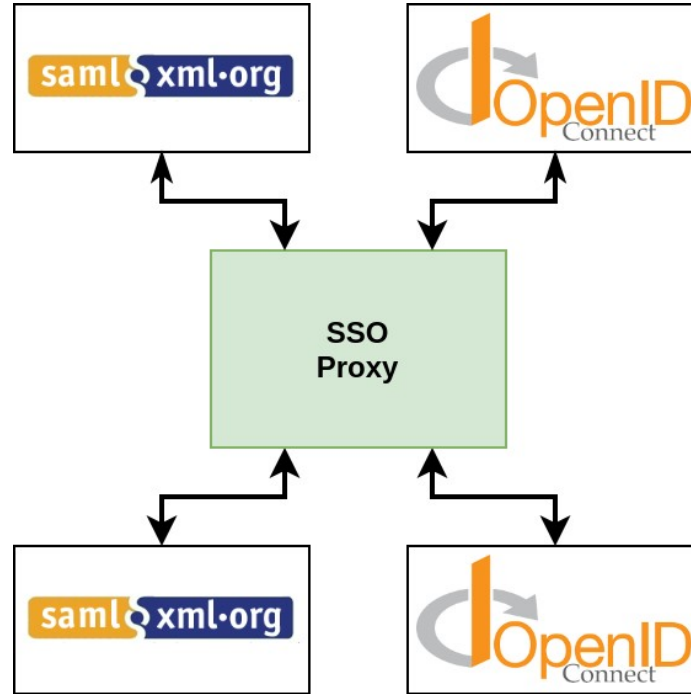
David Hübner
DAASI International GmbH



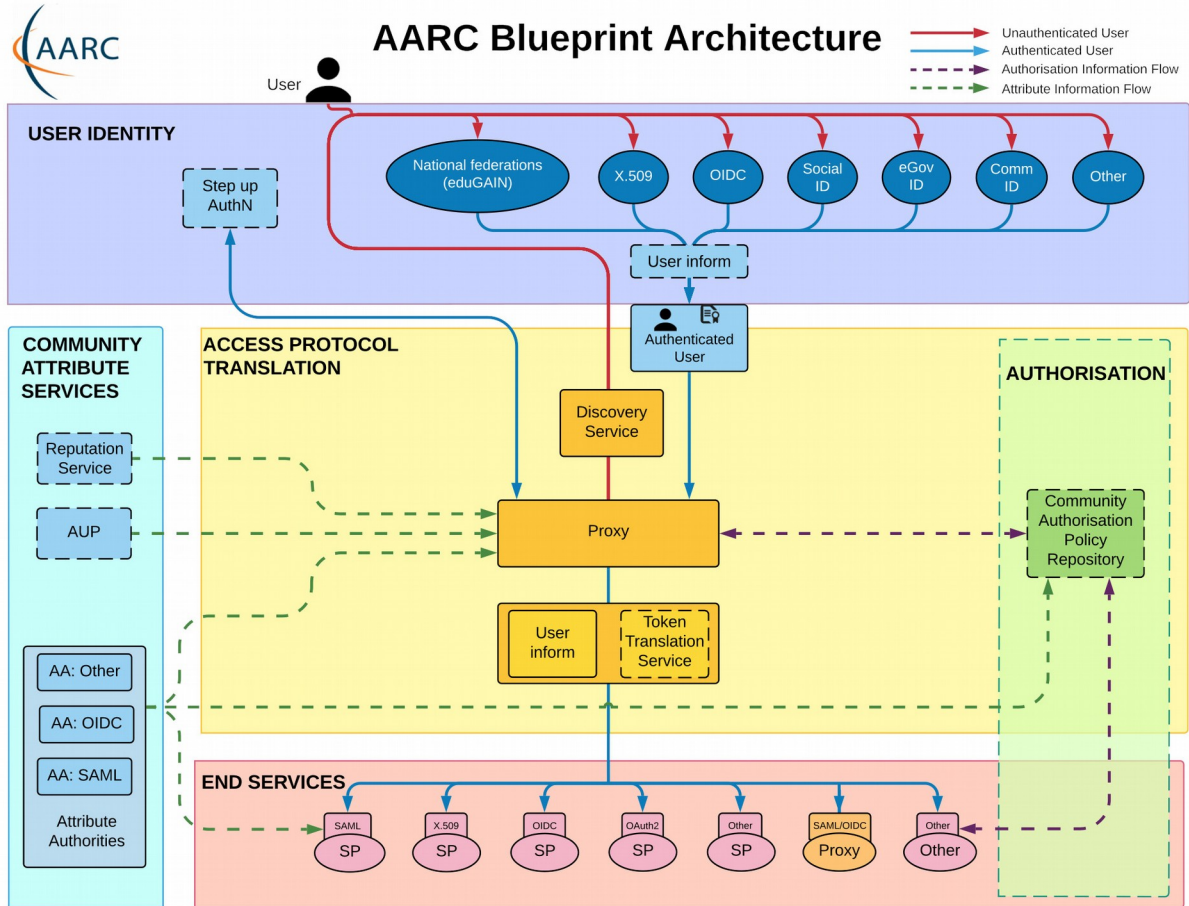
Multi-Protocol SSO



Proxy-based Scenarios



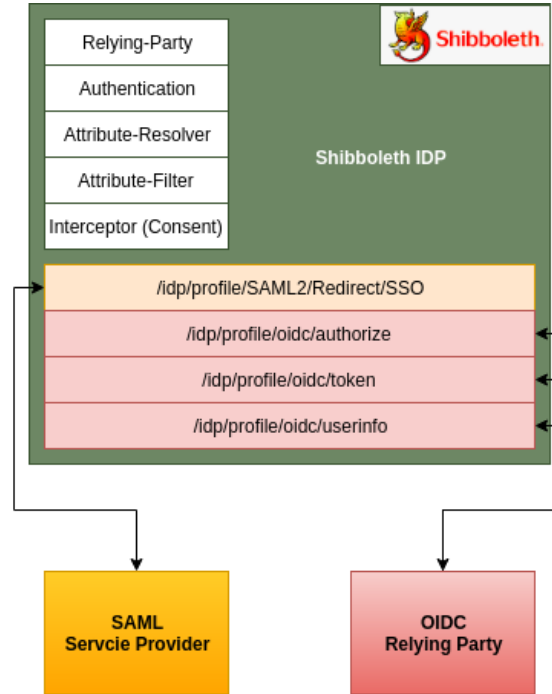
The AARC BPA



Different Software Solutions

- Shibboleth IDP
- Gluu
- Satosa / didmos Authenticator

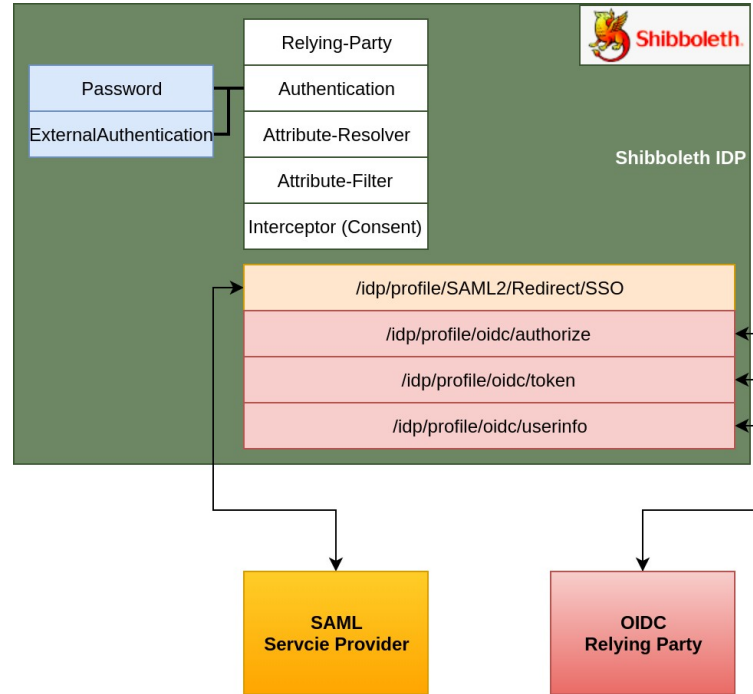
Shibboleth IDP & OIDC Extension



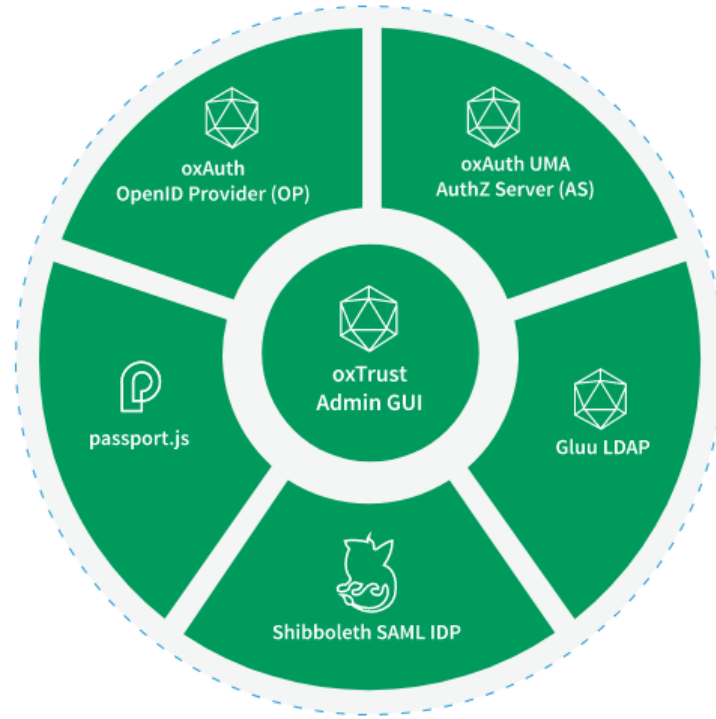
Configuration

```
<bean id="shibboleth.DefaultRelyingParty"  
  p:responderIdLookupStrategy-ref="profileResponderIdLookupFunction"  
  parent="RelyingParty">  
  <property name="profileConfigurations">  
    <list>>  
      <bean parent="SAML2.SSO" p:postAuthenticationFlows="attribute-release" />  
      <ref bean="SAML2.ECP" />  
      <ref bean="SAML2.Logout" />  
      <bean parent="OIDC.SSO" p:postAuthenticationFlows="attribute-release" />  
      <bean parent="OIDC.UserInfo"/>  
      <bean parent="OAUTH2.Revocation"/>  
    </list>  
  </property>  
</bean>
```

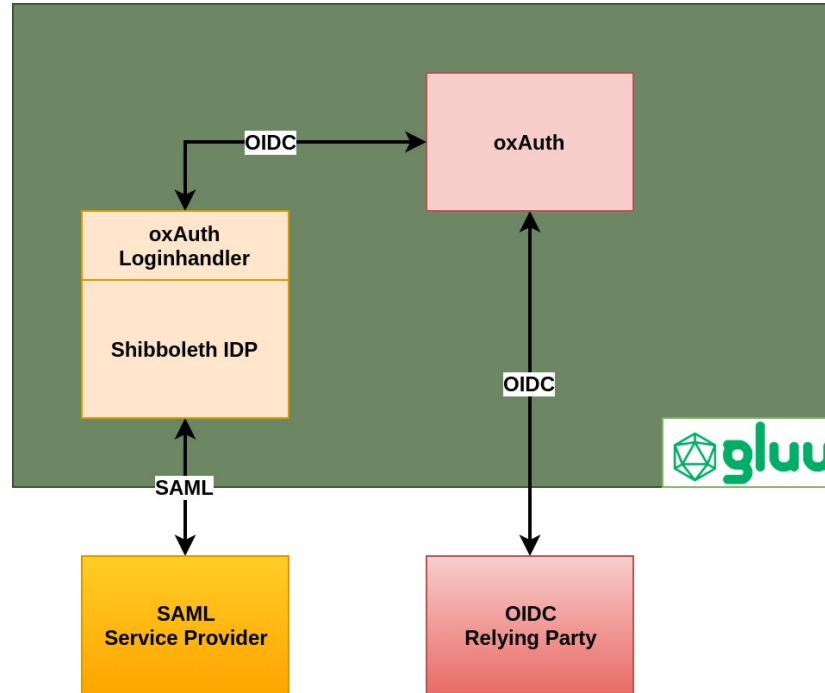
```
<AttributeDefinition id="uid" xsi:type="Simple">  
  <InputDataConnector ref="myLDAP" attributeNames="uid"/>  
  <AttributeEncoder xsi:type="SAML2String" name="urn:oid:0.9.2342.19200300.100.1.1"  
    friendlyName="uid" encodeType="false" />  
  <AttributeEncoder xsi:type="oidcext:OIDCString" name="preferred_username" />  
</AttributeDefinition>
```

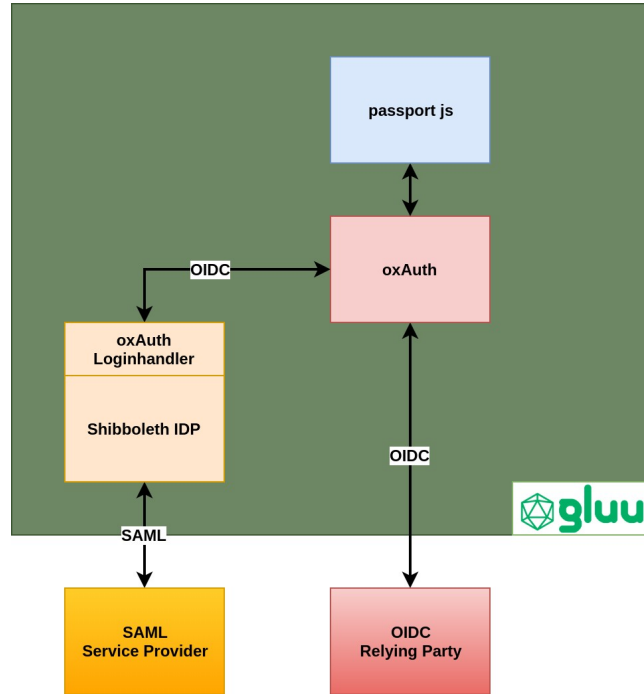



Components in Gluu

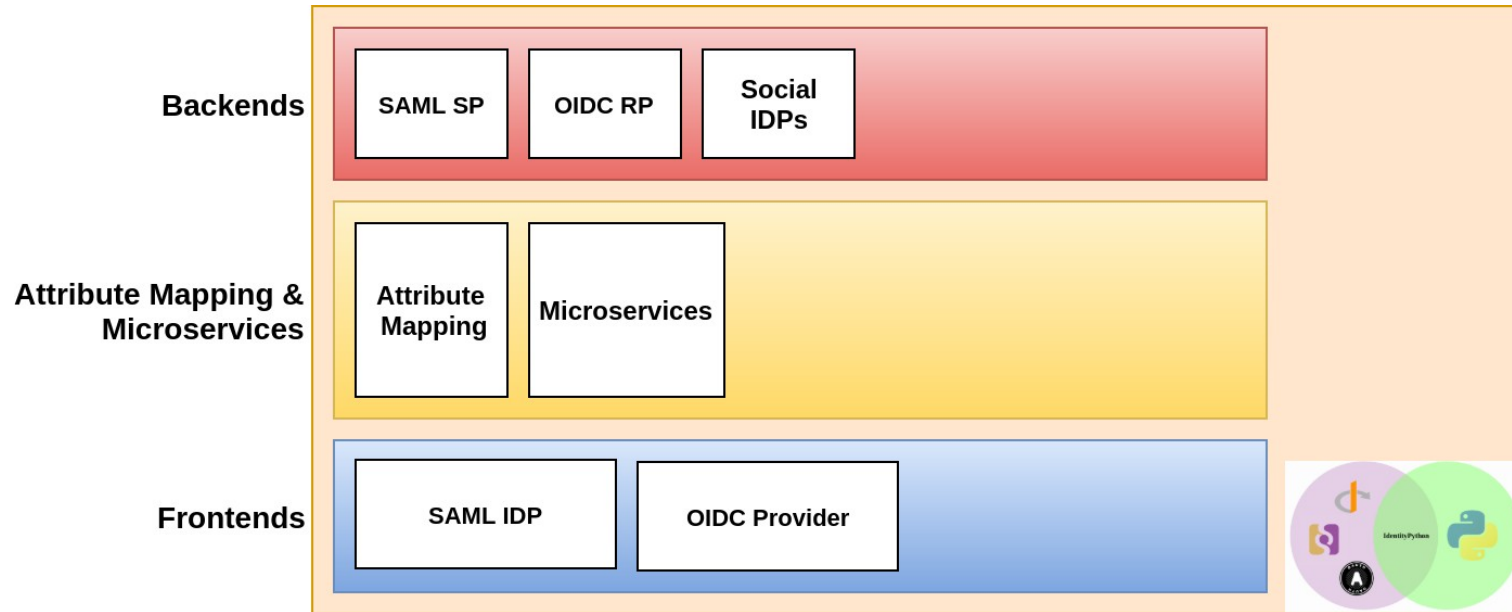


Gluu

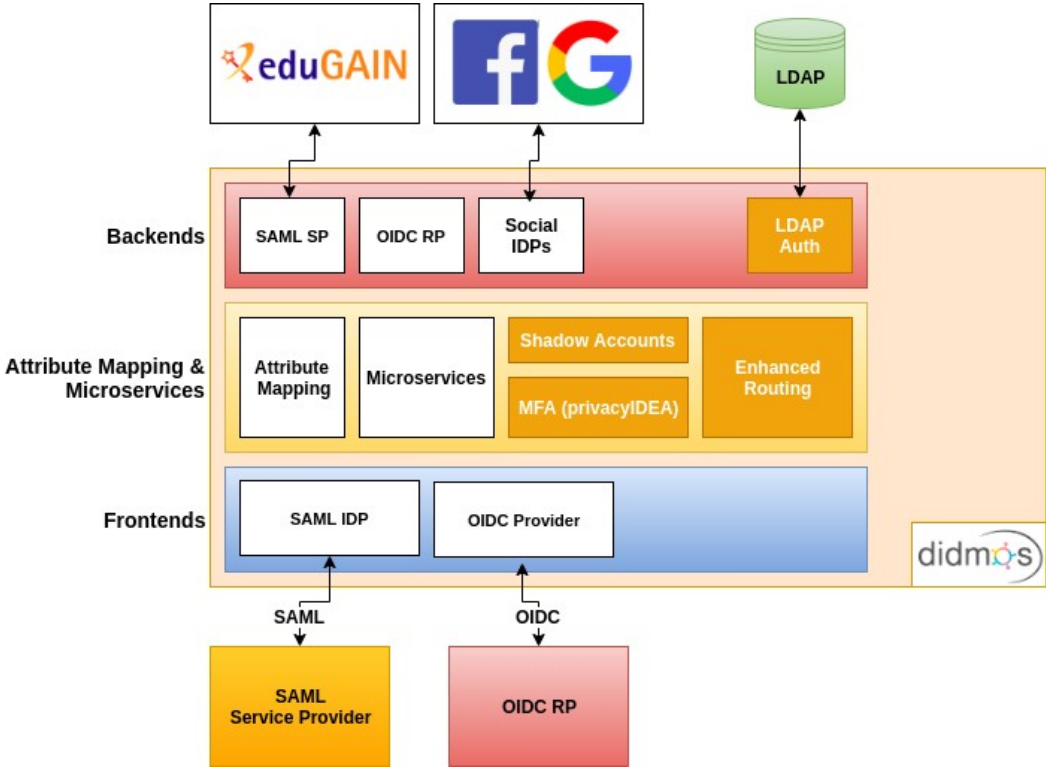




Satosa



Example Use-Case: didmos Authenticator



Summary



- Easy to extend existing Shibboleth IDP deployment with OpenID Provider capabilities
- Widespread in R&E and beyond

- Extensive OAuth2 capabilities & configuration parameters
- Scalability & HA scenarios

- Modular approach allows for easy extensions
- Lightweight
- Close to research in R&E

Thank you!

David Hübner

DAASI International

www.daasi.de

david.huebner@daasi.de

