Topic background

Setting up and maintaining the set of SPs within emerging federations comes with its own set of challenges:

• manual processes

• steep learning curve for federation ops

– a proxy container with GUI and support of CPCL was proposed.
Work done

- Set up a test environment of 4 VMs: IDP, SP, Proxy, OIDC RP
- Containerised and fine-tuned initial proxy setup
- Created CPCL
- Created GUI application that
  - parses CPCL config files
  - streamlines proxy relations establishment
  - shows relation topology
- Testing
Work done

SimpleSamlPHP
Shibboleth
IDP deployment
SP deployment

Intro to ecosystem
Proxy setup
Demo
Future work

Work plan proposal
Date: April 4, 2024

- OIDC modules
- OP setup
- RP setup
- SAML-OIDC translation

Docker
Configuration
GUI
Automation
Work done

- SimpleSamlPHP
- Shibboleth
- IDP deployment
- SP deployment

Intro to ecosystem -> Proxy setup -> Demo -> Future work

- OIDC modules
- OP setup
- RP setup
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Work Done until Date: April 30, 2024
Activity results
Activity results

Test case: Filesender and a real IDP

1. CPCL config file for IDP-Filesender relation was created
2. This config file was processed by the Proxy
3. We reached a point where Filesender login redirects to the Proxy IDP selection
4. The blocker was that IDP doesn’t know about Proxy, so we couldn’t finalize the test case.
Activity results

Proxy helps with the set of challenges we previously described:

- less manual processes due to dockerizing of the proxy software
- learning curve isn't as challenging anymore, thanks to the new configuration language and user-friendly GUI
Further improvements

1. Container improvement
2. GUI itself becomes a service provider
3. CPCL rules parsing feature further investigation
4. Bug fixes, refactoring
Thank You
Icon Set