



# Automation of SP deployment

Trust & Identity Incubator Final Demo

Demo, Online

02 Mai 2024

Public (PU)

## Topic background

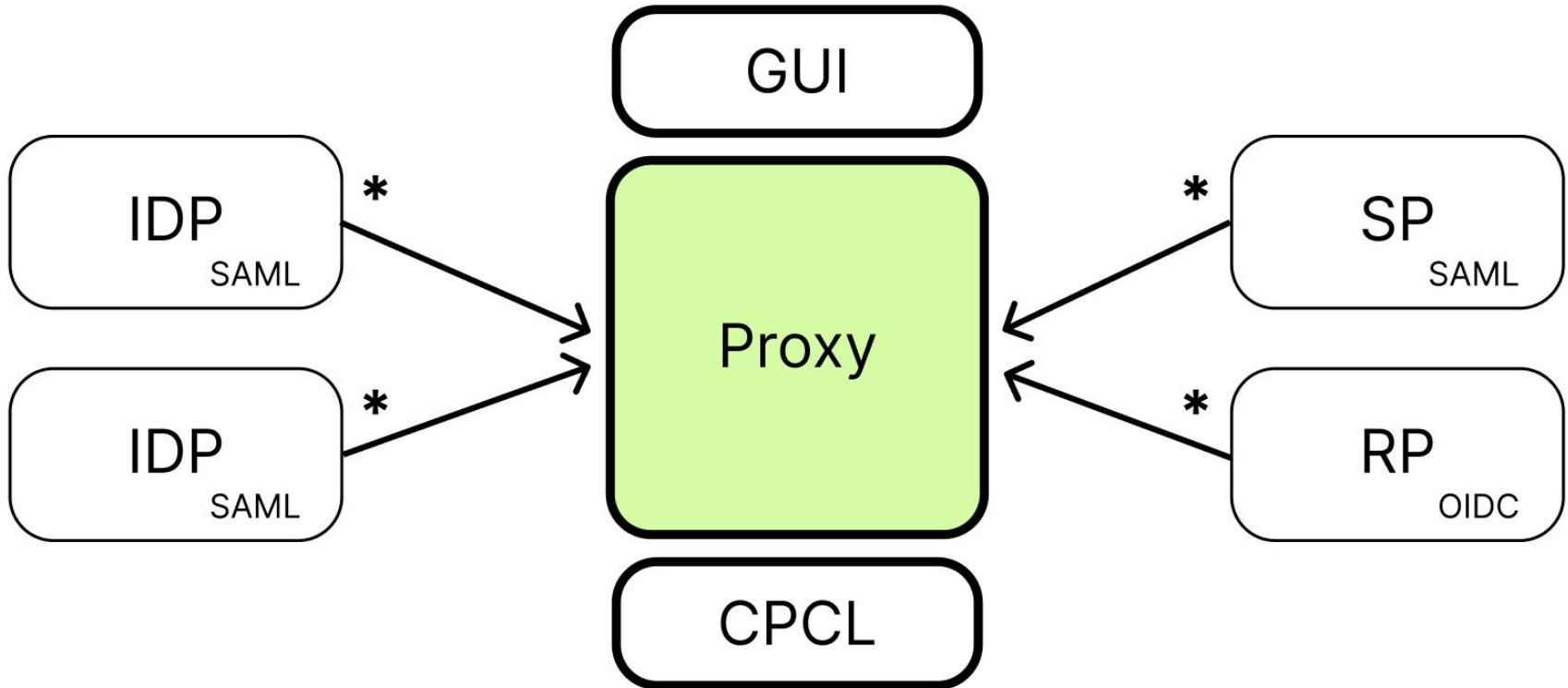
Setting up and maintaining the set of SPs within emerging federations comes with its own set of challenges:

- manual processes
  - steep learning curve for federation ops
- a proxy container with GUI and support of CPCL was proposed.

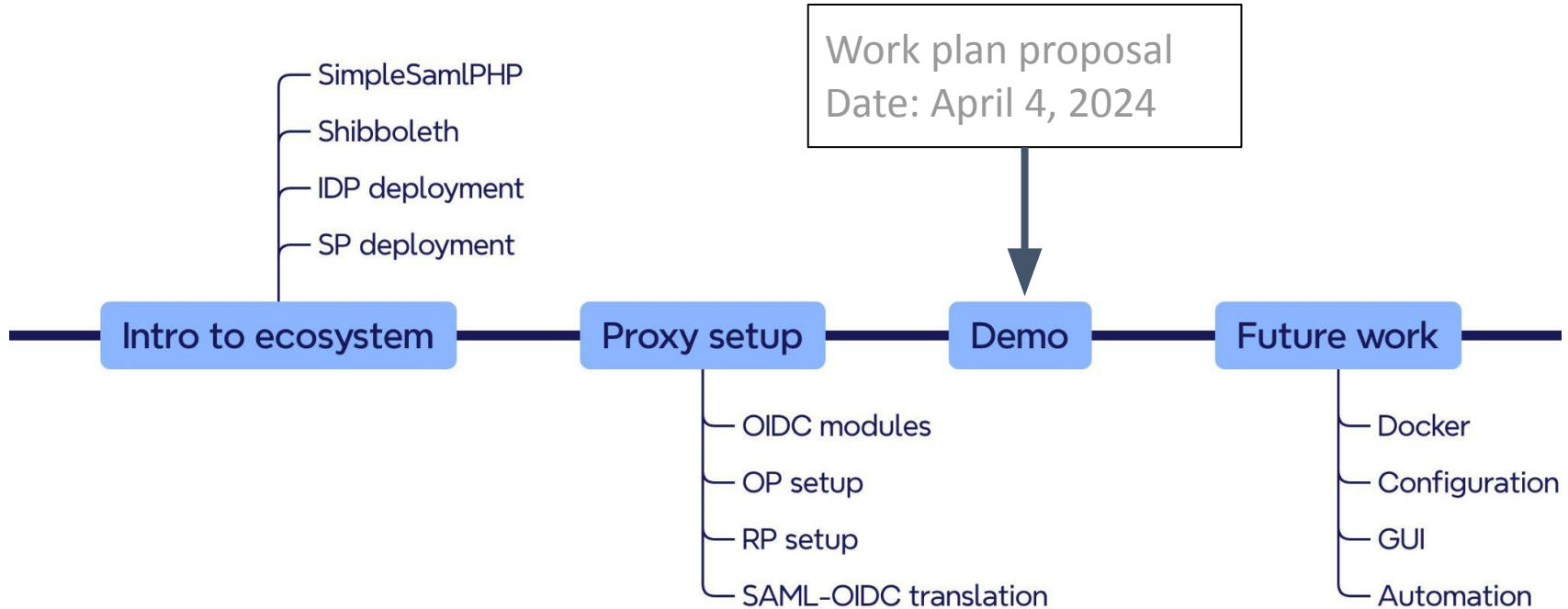
## Work done

- ✓ 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

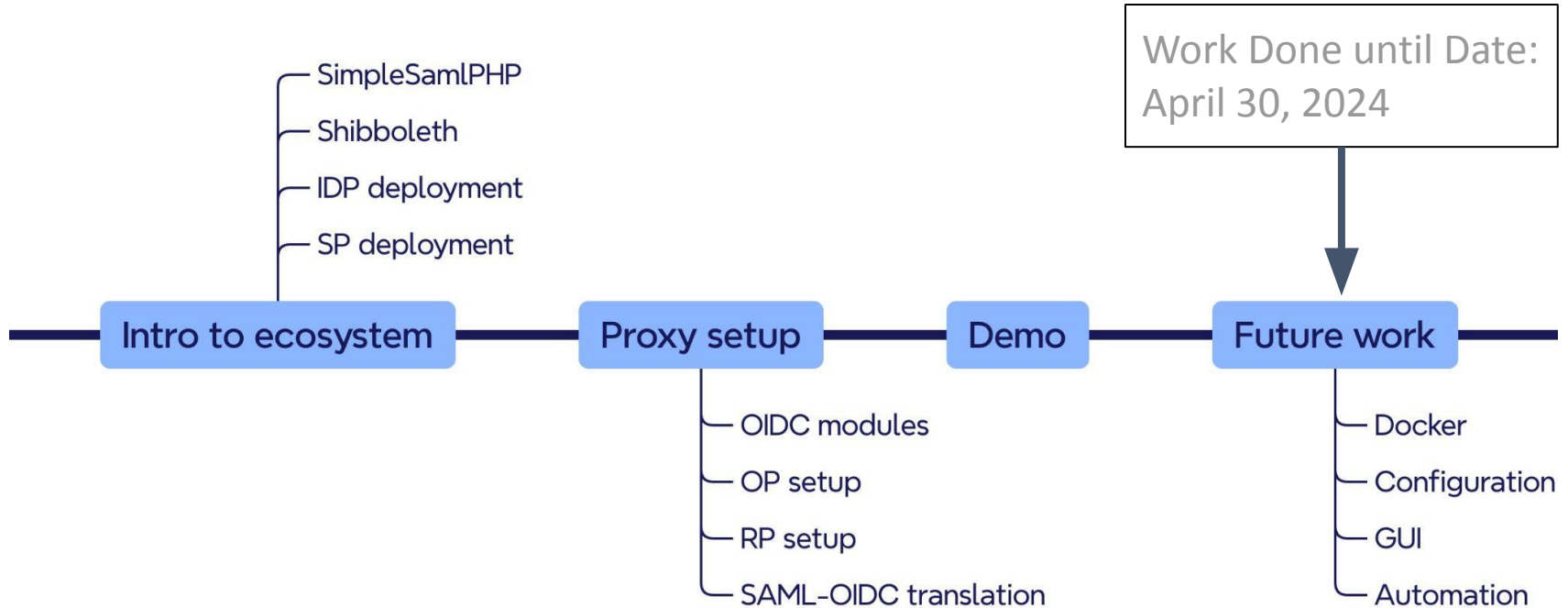
## Architecture Diagram



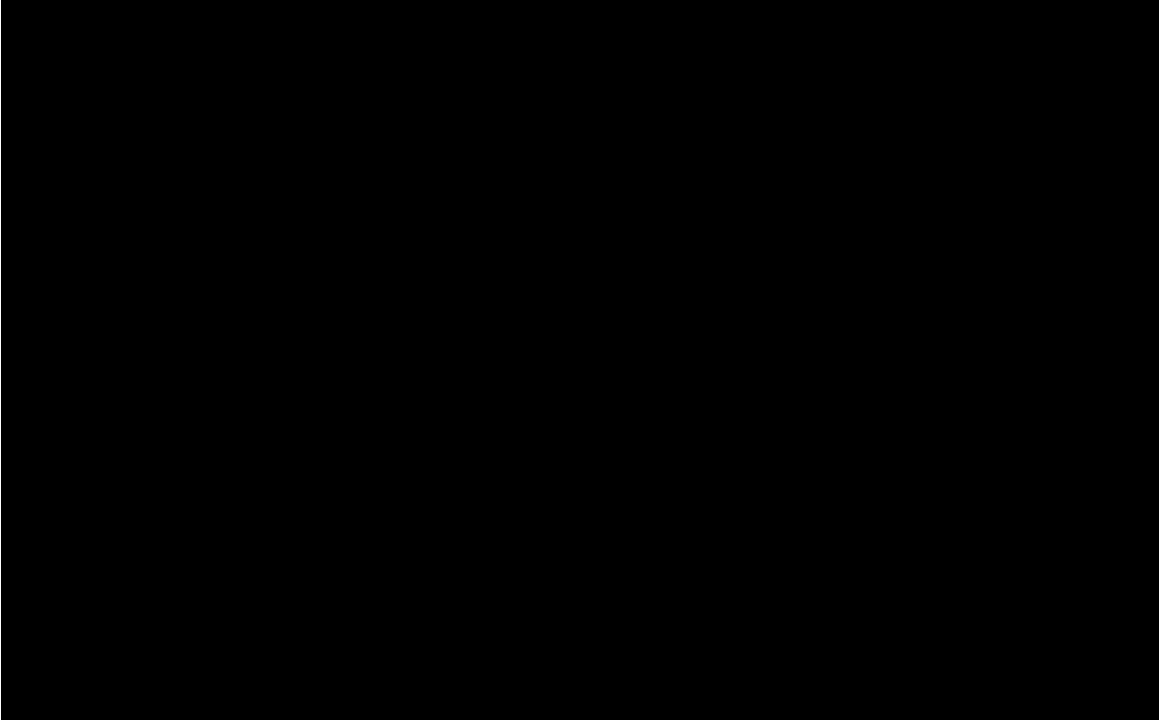
## Work done



## Work done



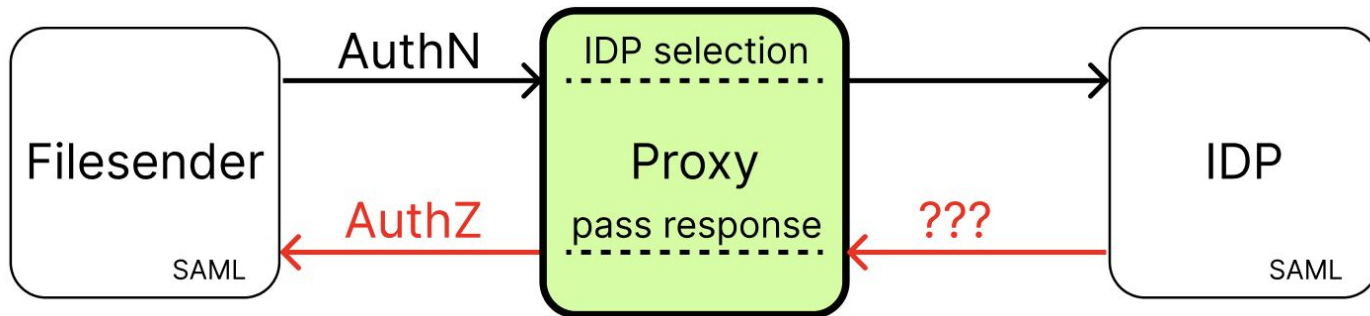
# Activity results



## 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

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# Icon Set

