# Automation of SP deployment

Stakeholder workshop

## GN5-1 Trust & Identity Incubator

GÉANT Project Symposium, Montpellier, France
12 December 2023

GN5-1

# Agenda

- 11:00 Activity description and previous results

- 11:15 Feedback & discussion

- 11:40 Wrap-up and next steps

# Activity description

This activity investigates a proxy approach to aggregate the services and potentially simplify the deployment and integration of tools. The Incubator will make an inventory of relevant services and discuss integration scenarios with stakeholders. The goal is to create proof of concept of at least one scenario and present it to federation operators.

It would be useful to enhance the level of support we provide to them with the aim of quickly being able to deploy an initial set of services, the ones which could de-facto start to attract users towards the newly deployed federation infrastructure and the federated IdPs.

The idea here is to propose a new cycle of T&I incubator task activities aimed at the following tasks:

1. ***Identifying an initial set of services*** we'd like to promote as SPs to the new identity federations. (e.g.: Wiki, Moodle, Joomla, eduMEET, Filesender, ..)
2. ***Design a solution for connecting to the services we'd like to deploy***, based on automation, possibly using containers, or automated deployment tools (which we should aim at making easy for early services deployers),
3. *Define both technical and strategic roadmaps* to ensure sustainability of these deployment solutions: how will they be upgraded/ported to new versions, which task, or permanent activity in the GN project, or the community could endorse the future work to keep the developed solution working also in future.

# 3 deployment models

- **SP proxy for new federations**
  -> easy connection to existing GÉANT services and commonly used SPs
  -> a clear and straightforward integration point for services

- **VO community SP proxy**
  -> simple integration for commonly used VO collaboration services

- **Institutional Service aggregation**
  -> integration point for on- and off-campus institutional services
  -> integrate federation, eduGAIN and guest identity access

## SP proxy solution

- Provide one integration point for all IdPs
- Provide a limited set of integration points for SPs, e.g.:
  - OIDC
  - SAML 2.0
  - Only pseudonymous and personalized profiles
- Docker container with configurable integration points for SPs
- Collaborate on service configuration
- Auto-generated documentation for required service configuration

Optional:
- Proxy GUI for managing services

## SP proxy
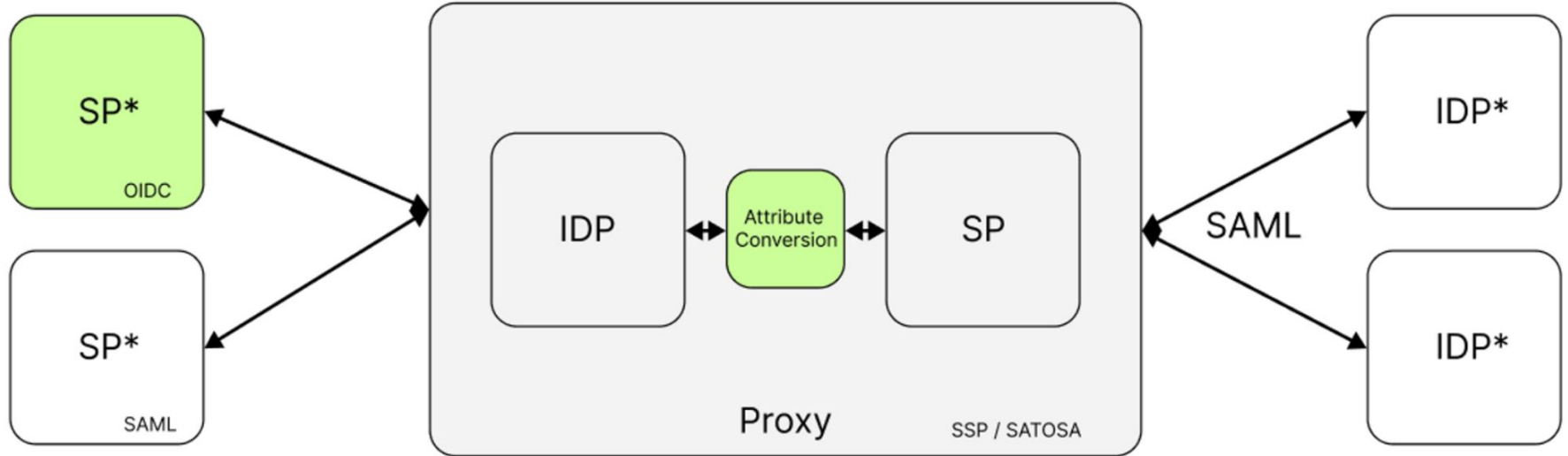
# Discussion

**Solution design**

**What do you think about our solution?**

**List of applications**

**What do are the most important applications?**

# Target applications for SPs?

- Web Documentation and Collaboration: **DokuWiki**, TWiki and more…?
- Content Management: **WordPress**, Joomla, Drupal ?
- Online Office Suite and Collaboration: **ONLYOFFICE**, Collabora Online
- Email Server/Agent: **Postfix**, Exim, Sendmail
- Online Email Client: **Roundcube**, RainLoop, SquirrelMail, Horde, Mailpile ?
- Mailing List Management: **Sympa**, Mailman
- Learning Management: **Moodle**, Canvas LMS
- Video Conferencing and Training: **eduMEET**, BigBlueButton
- Secure File Transfer: **FileSender**, Nextcloud, ownCloud ?
- VPN: **OpenVPN**, eduVPN, WireGuard

The final selection will also depend on SAML/OIDC capabilities.
Please **propose/comment** at https://wiki.geant.org/display/GWP5/Proposed+applications!

**Thank You**

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