

Trust & Identity Services

Maintaining a trustworthy infrastructure

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Trust, Identity & Security

Supporting users and enabling secure access to services



eduroam - secure global roaming access service **250+ million authentications per month** in 89 territories



eduGAIN - interconnects identity federations around the world, simplifying access to content, services and resources ~ 3500 identity providers accessing services



AARC project – collaborating with e-infrastructures, research collaborations, libraries & federations to share policies, architectures, training materials & pilots that avoid re-inventing the authentication & authorisation wheel



REFEDs – supporting identity federations worldwide



Trusted Introducer – services for security and incident response teams

Certificate Service – delivering cost-effective digital certificates.
In partnership with 



eduroam

Linking students to the global community



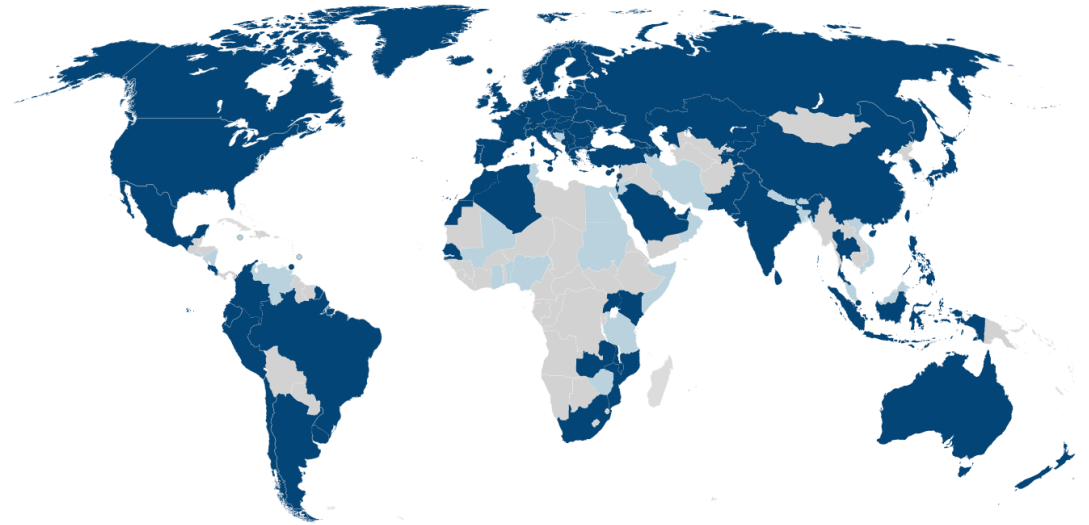
Free secure Wifi provided by NRENs between campuses.

**A global network of users across 101 territories.
More than 2 billion international authentications
and counting**

A worldwide success story

From its early beginnings as a joint venture between a few European universities to today – with millions of users in more than 100 territories worldwide, eduroam has been an amazing success story and an example of research and education collaboration.

www.eduroam.org





eduroam Managed IdP

Expanding access to eduroam for smaller institutions



For smaller institutions without the resources to implement and support eduroam, eduroam Managed IdP can get users on-line quickly and securely.

- A web-based user management interface where user accounts and access credentials can be created and revoked.
- A technical infrastructure ("CA") which issues and revokes credentials
- A technical infrastructure ("RADIUS") which verifies access credentials and subsequently grants access to eduroam



This leaves the institution only having to focus on the users and frees up valuable technical support resource.



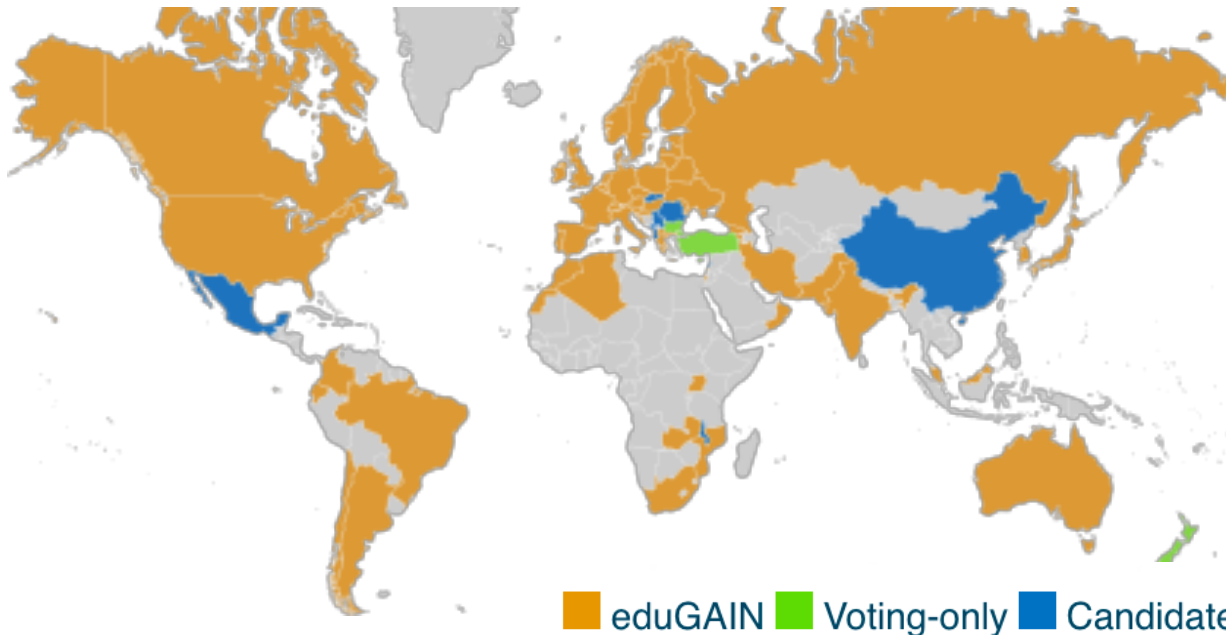
eduGAIN



Enabling secure Single Sign On services to global research and educational resources

Federated identities enable users to access a wide range of services using a single account sign-on managed by their 'home' institution

- Improves access
- Improves security
- Reduces management overhead and costs.



November 2018:

58 Federations active

5 Federations with voting rights in process of joining
5164 entities (50% growth)

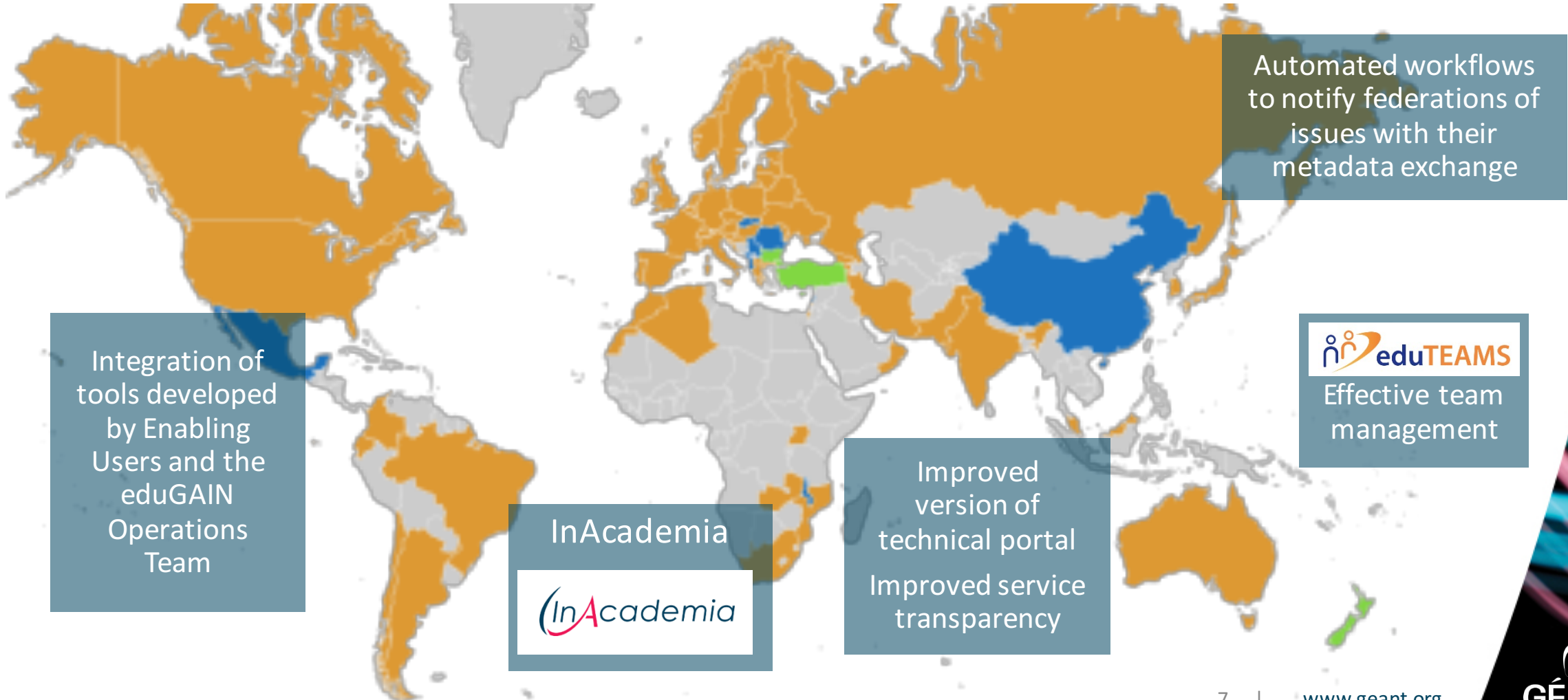
Existing capacity & expertise – eduGAIN depends on federations





eduGAIN

Recent developments





InAcademia

Online student validation

InAcademia is a service being developed that simply validates to other services that the user is a student or staff member of the academic community. Helps service providers offer academic discounts online and in real time.

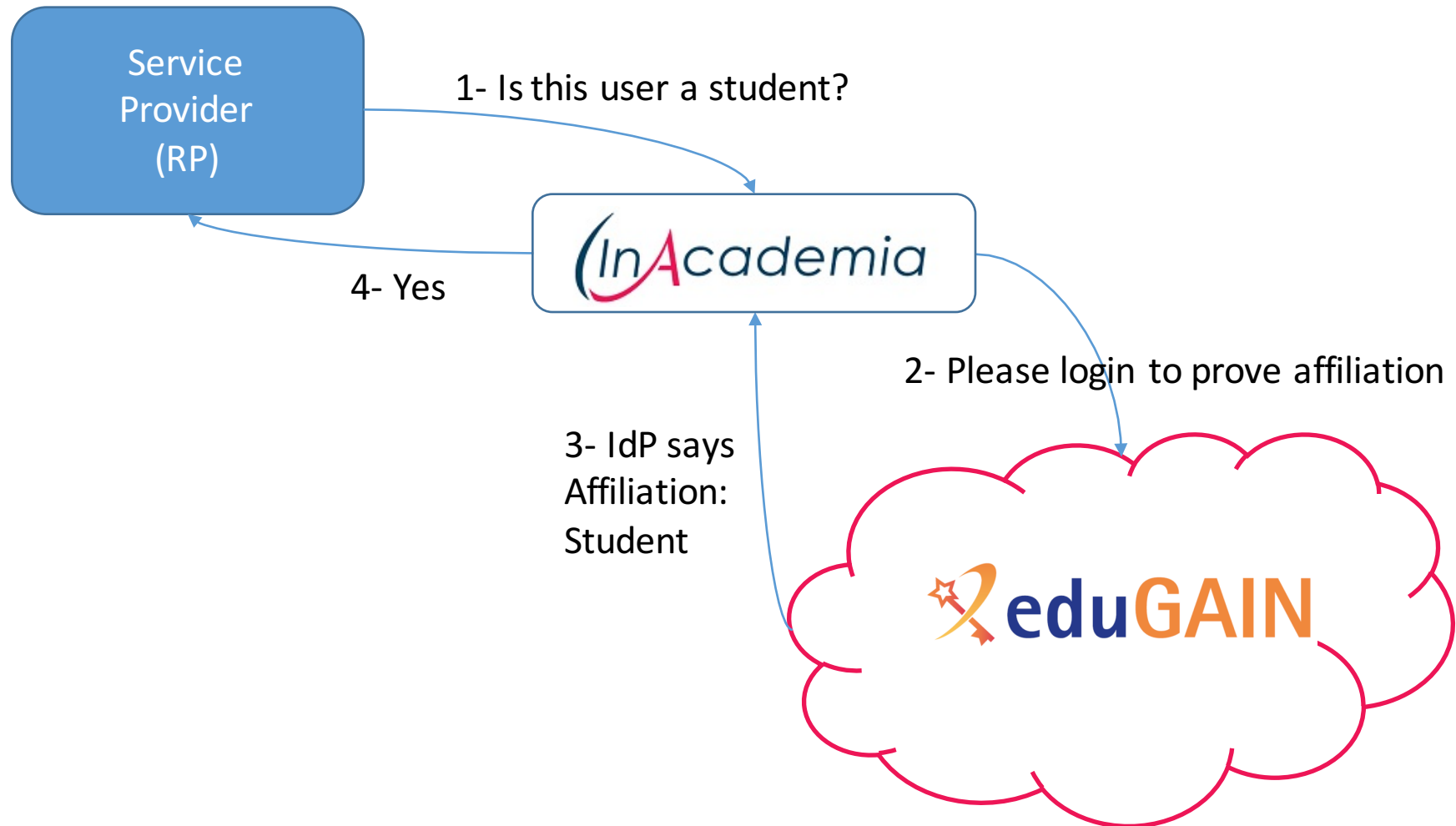
A lightweight federated identity process with minimal attribute release (essentially a simple yes/no).

Easy for Service Providers to implement.

Removes need for scans of ID cards or primitive e-mail address-based 'authentication'.



InAcademia – *Flow overview*





eduTEAMS

Making managing virtual teams easy

- A service to enable the use of federated identities in research communities.
- Users sign in to services with their community identity via eduTEAMS
- Users register once and access any service (available to the their community)
- Reduces complexity for Service Providers by providing one integration point for all services



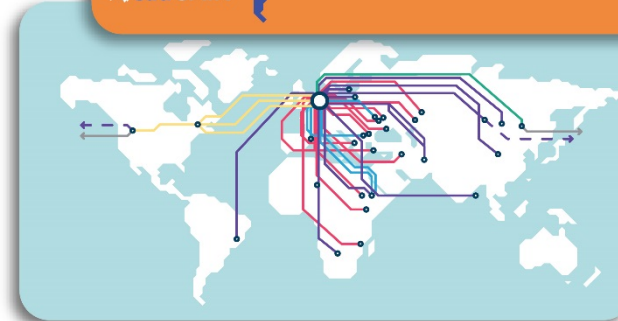
Collaborate



Authenticate

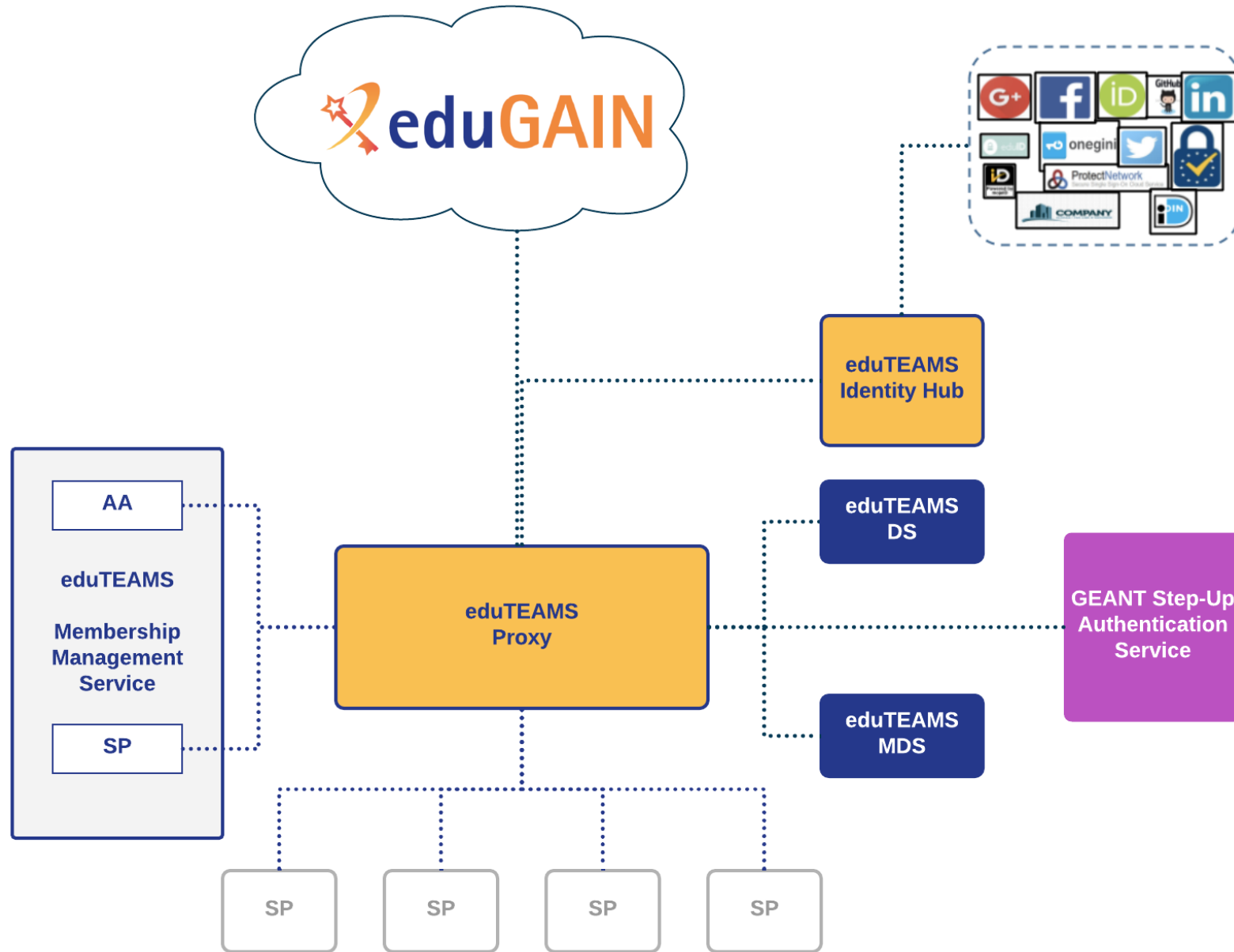


Connect



eduTEAMS.org

eduTEAMS - Architecture



eduTEAMS Offerings

- **eduTEAMS Service**

A shared service that can be used by small and medium communities and/or long tail collaborations – **Funded by the GN4-2/3 project**

- **eduTEAMS Dedicated Service**

A standalone, **white-label** service offering, specific to a community or NREN national use – **Paid by the community** (piloting activities before production will typically be covered by the GN4-2/3 project)

- **eduTEAMS Bespoke Service** – a bespoke solution, typically involving individual components for a specific community – **Paid by the Community**

eduTEAMS
Service

eduTEAMS
Dedicated

eduTEAMS
Bespoke



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Thank you

Any questions?

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