

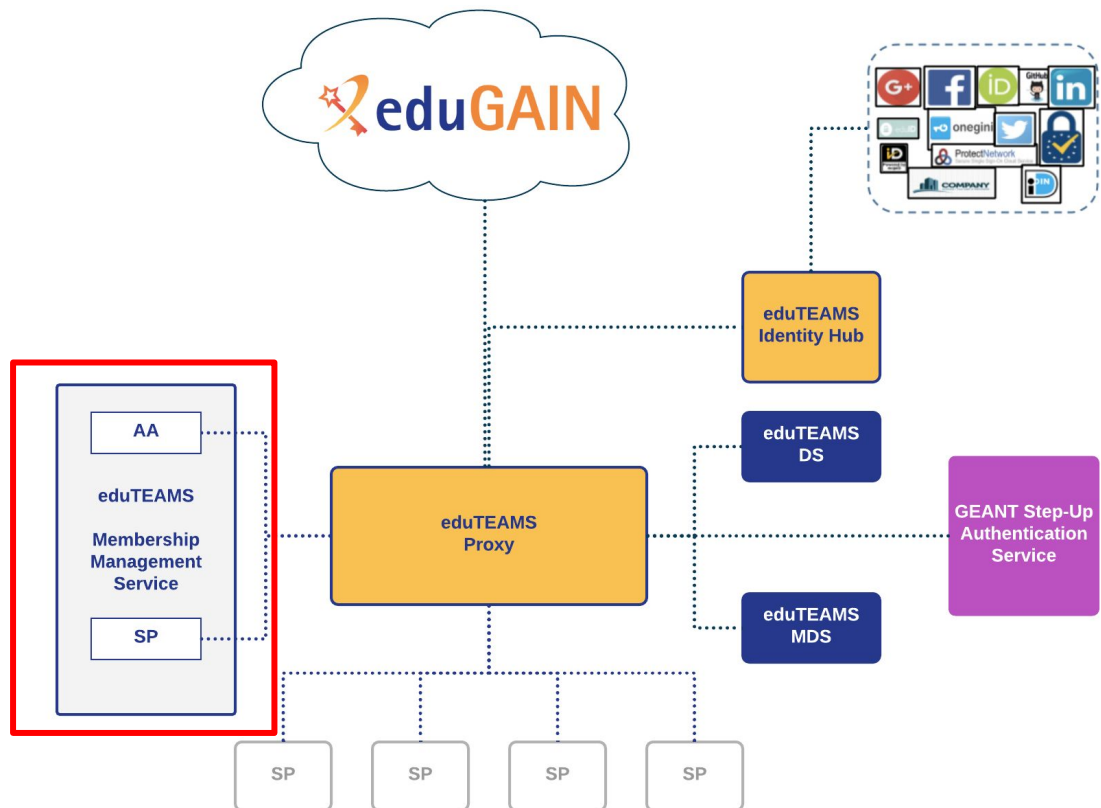
Membership Management Services in eduTEAMS

Mihály Héder, SZTAKI
Slávek Licehammer, CESNET



- A Membership Management Service
 - Virtual Organizations
 - Groups
 - Roles
 - Entitlements
- Provide interface for user enrollment
- Assign rights and permissions to people through roles, groups, etc.
- Management is delegated to Principal Investigator or Community manager
 - Can be delegated further

What is an MMS



- COmanage
 - Developed by Internet2
 - Several deployments mainly in the US
- HEXAA
 - Developed by MTA SZTAKI/NIIF
 - Runs in Hungarian Federation
- PERUN
 - Developed by CESNET and Masaryk University
 - Several deployments for European research projects and in Czechia

- Different options for different communities
 - Complexity of the tool
 - User interface
 - Management of organizational structure
 - Data provisioning and intake
 - User enrollment
- Offering tools which communities are familiar with
- Equivalent functionality for all MMSes on eduTEAMS service (shared)
 - Different look & feel and workflows
- Unlock full MMS potencial on eduTEAMS dedicated

MMS in eduTEAMS: high-level comparison

COmanage

- User profile limited to collaborative organization
- Services limited to collaborative organization
- Partial functionality available through API
- Complex functionality supported, long learning curve

HEXAA

- User profile is platform wide
- Services are platform wide
- All functionality available through API
- Lightweight, short learning curve
- Development team part of eduTEAMS

Perun

- User profile is platform wide
- Services are platform wide
- All functionality available through API
- Complex functionality supported, long learning curve
- Development team part of eduTEAMS

CManage in eduTEAMS: main highlights

- Provisioning targets
 - LDAP and other, custom-written
- Fully customizable enrollments
 - Separate enrollment flows for COUs (Organizational Units)
- Various ways to take users in
- High-powered collaboration admins





0



eduTEAMS Support

CManage



- People <
- Groups <
- Departments
- Email Lists
- Jobs
- Servers
- Configuration
- Platform <
- Collaborations

[Home](#) > [CManage](#) > [Configuration](#)

Configuration for CManage

[CO Settings](#)

[Attribute Enumerations](#)

[Authenticators](#)

[CO Navigation Links](#)

[COUs](#)

[Dashboards](#)

[Enrollment Flows](#)

[Expiration Policies](#)

[Extended Attributes](#)

[Extended Types](#)

[Identifier Assignments](#)

[Identifier Validators](#)

[Localizations](#)

[Message Templates](#)

[Organizational Identity Sources](#)

[Pipelines](#)

[Provisioning Targets](#)

[Self Service Permissions](#)

[Services](#)

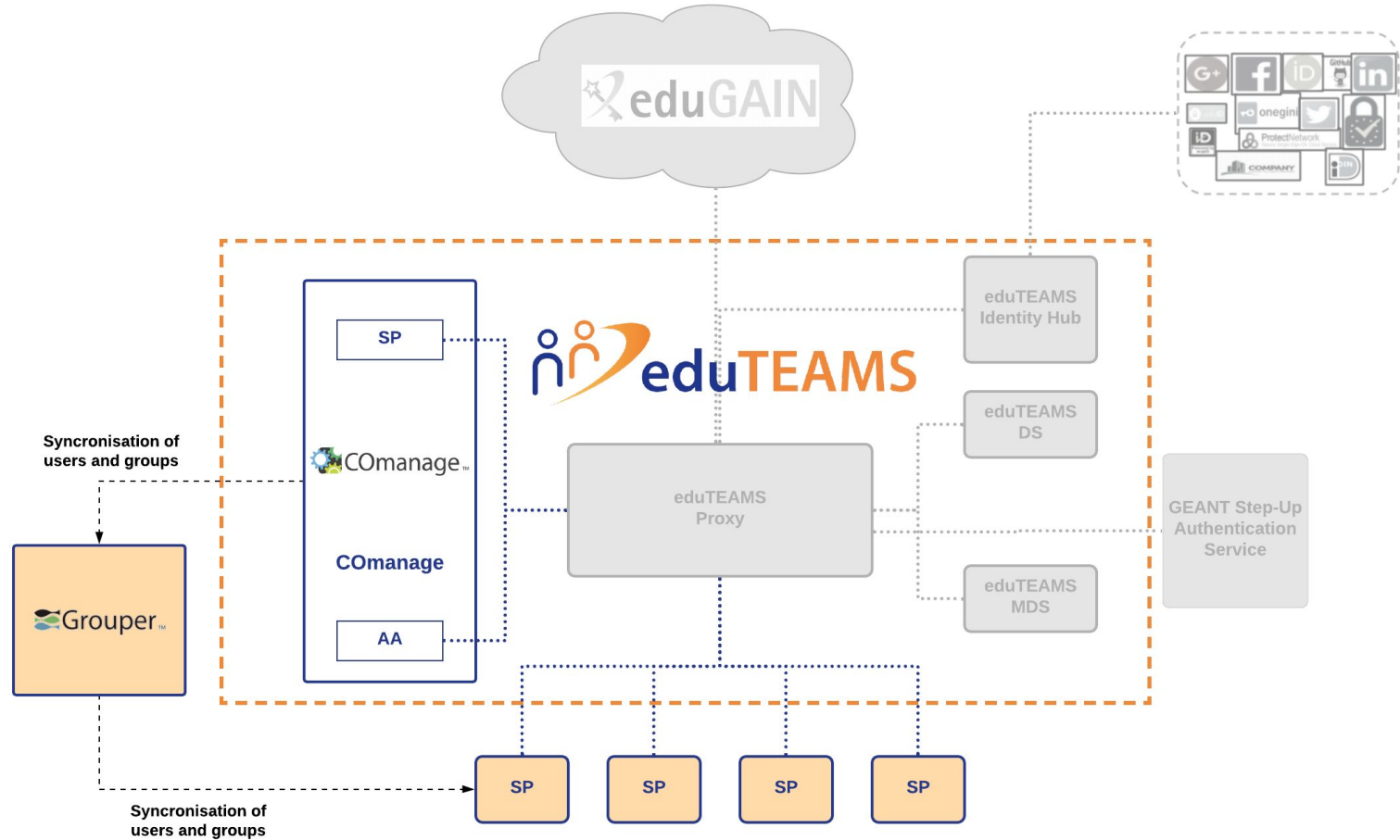
[Terms and Conditions](#)

[Themes](#)

CAMS at GEANT

- Manages access to GEANT-internal applications
 - Mailing list
 - SW catalog
 - gitlab
 - etc
- Based on the COU concept of COmanage
- Leverages enrollment functionality of COmanage

CAMS at GEANT (design)



HEXAA in eduTEAMS: main highlights

- Simple interface for Role-Based Access Control
 - Wizards
- Two enrollment modes
 - Pre-defined number of seats via link
 - email
- Full transparency with event log



Nagyon hosszú nevű organization



Change roles

Proposal

Revoke

Message

Remove

+ Invite

Managers

<input type="checkbox"/>	Almás Tamás	almastamas@example.com
<input checked="" type="checkbox"/>	Kis Tamás	kistamas@example.com
<input type="checkbox"/>	Nagy Tamás	nagytamas@example.com
<input type="checkbox"/>	Szabó Tamás	szabotamas@example.com
<input type="checkbox"/>	Szűcs Tamás	szucstamas@example.com
<input type="checkbox"/>	Vas Tamás	vastamas@example.com

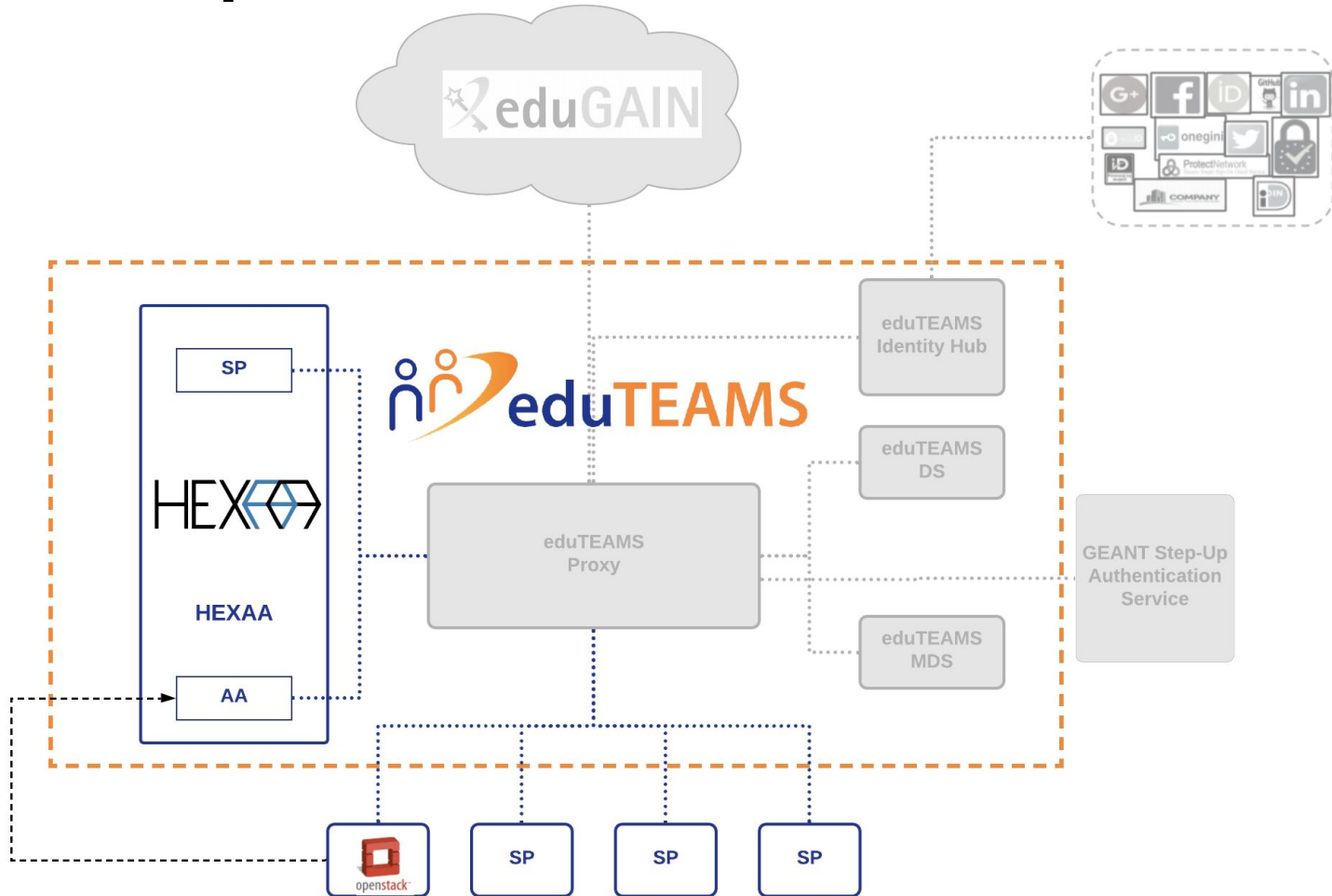
Users

<input type="checkbox"/>	Almás Tamás	almastamas@example.com
<input type="checkbox"/>	Almás Tamás	almastamas@example.com

HEXAA at Hungarian Researcher Support


- Takes care of OpenStack authorization
 - Provisioning of OpenStack projects
- Custom UI for HPC
- Auxiliary tools
 - drupal site
 - ticketing
 - etc.

HEXAA at C4E and MTA Cloud




- Integration with other systems
 - (De-)provisioning
 - Import capabilities
 - Full API support
- Account linking
- Privilege delegations
- Attribute framework
- Branding of user-facing components
- Stable development team
 - 8 core members + students



 Perun admin

 Security admin

 VO manager

-  Select VO
-  CESNET
-  Members
-  Groups
-  Resources
-  Applications
-  Application form
-  Resource tags
-  Resources state
-  Settings
-  Managers
-  External sources

 Group manager

 Facility manager

 User

 Mgr. Slávek Licehammer

 Mgr. Slávek Licehammer: Full details

 Mgr. Slávek Licehammer

Member ID:
19179

User ID:
3255

[See user detail >>](#)



Overview Groups Resources Applications Settings Service identities Sponsored users



Personal:

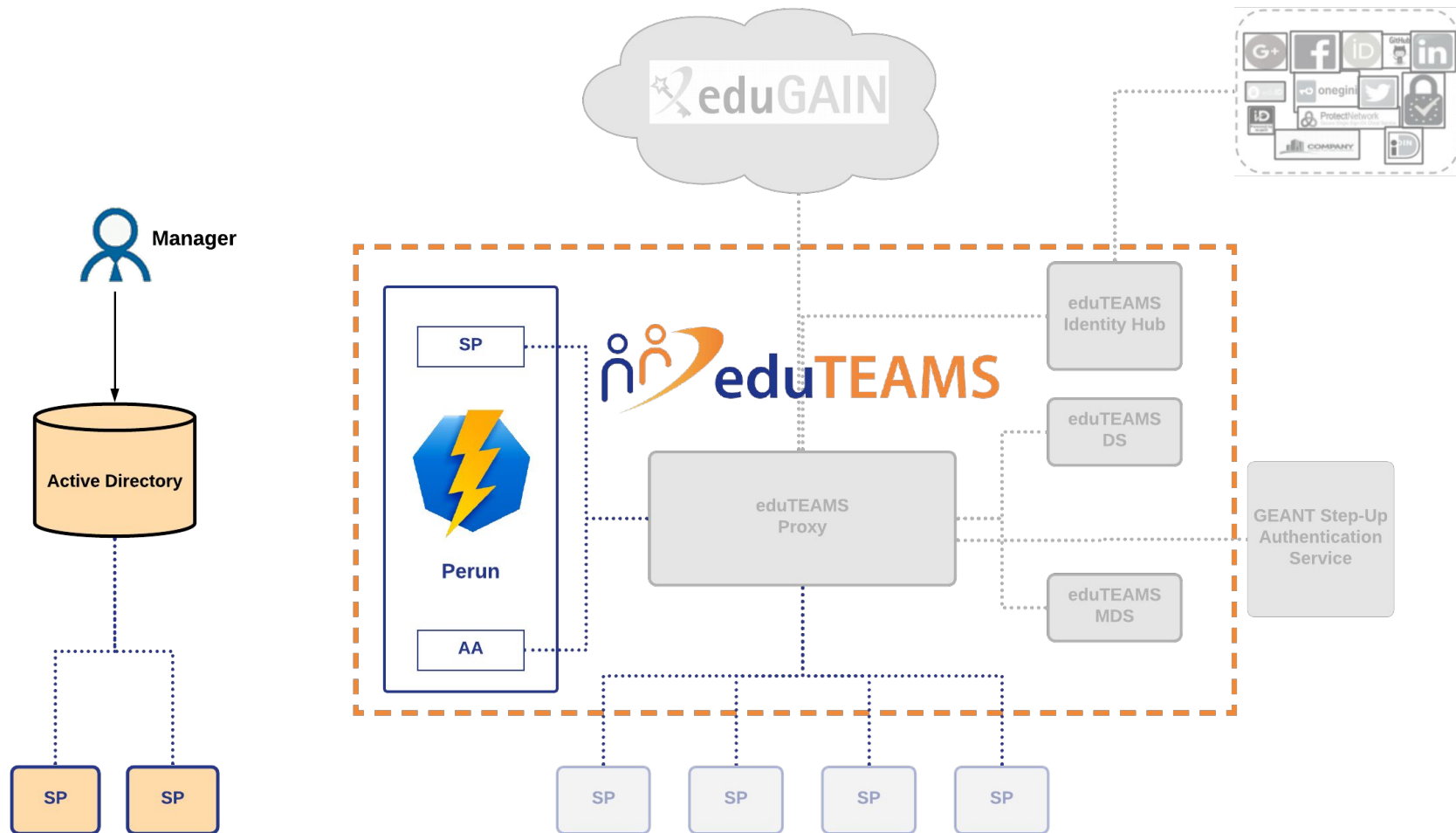
Organization:	Masarykova univerzita
Workplace:	FI
Research group:	MetaCentrum staff
Preferred mail:	slavek@ics.muni.cz
Mail:	slavek@ics.muni.cz
Phone:	+420 724 062 225
Address:	N/A
Preferred language:	en
LoA:	2 (verified identity)
EDU person affiliation:	N/A

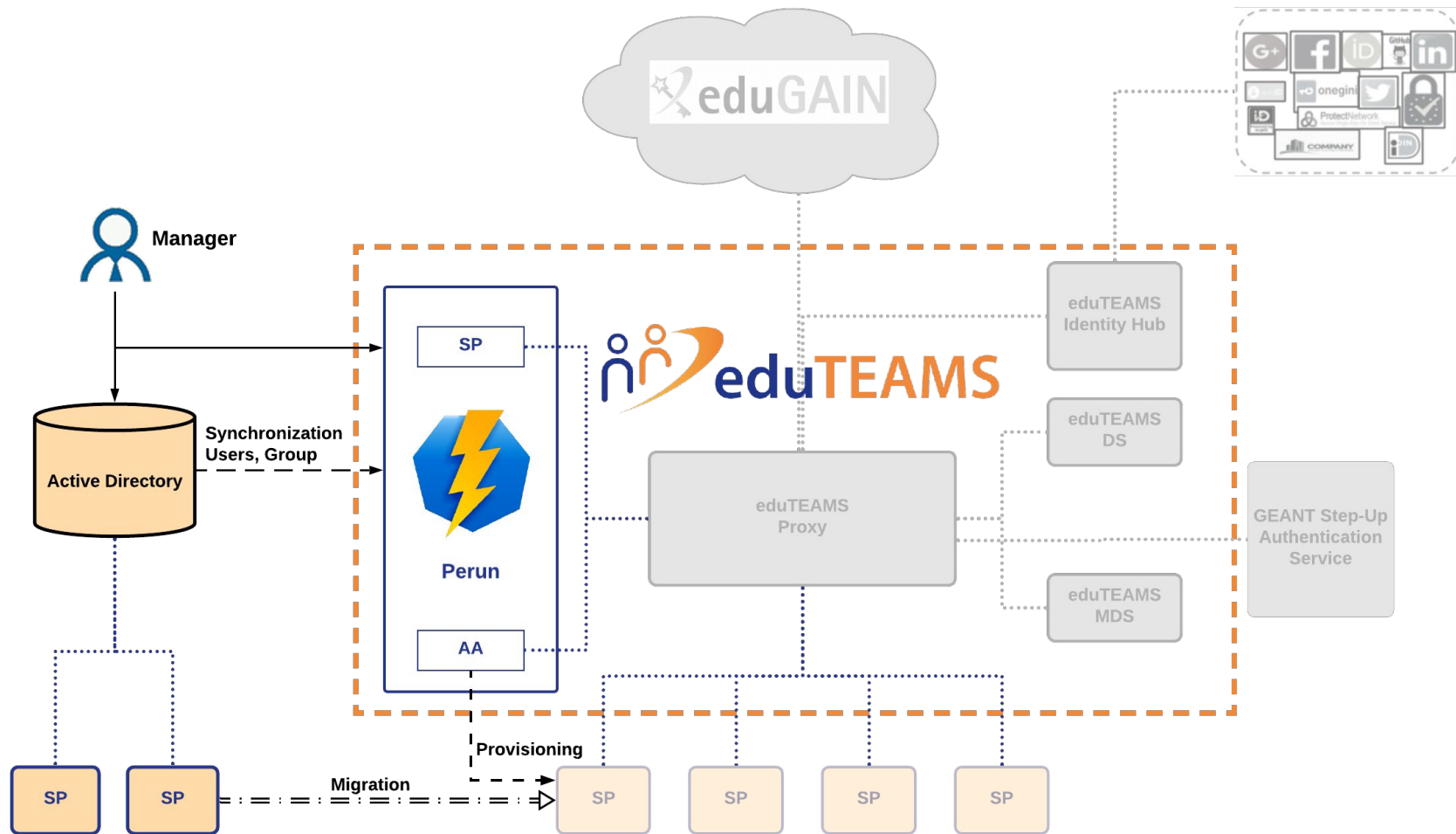
Membership:

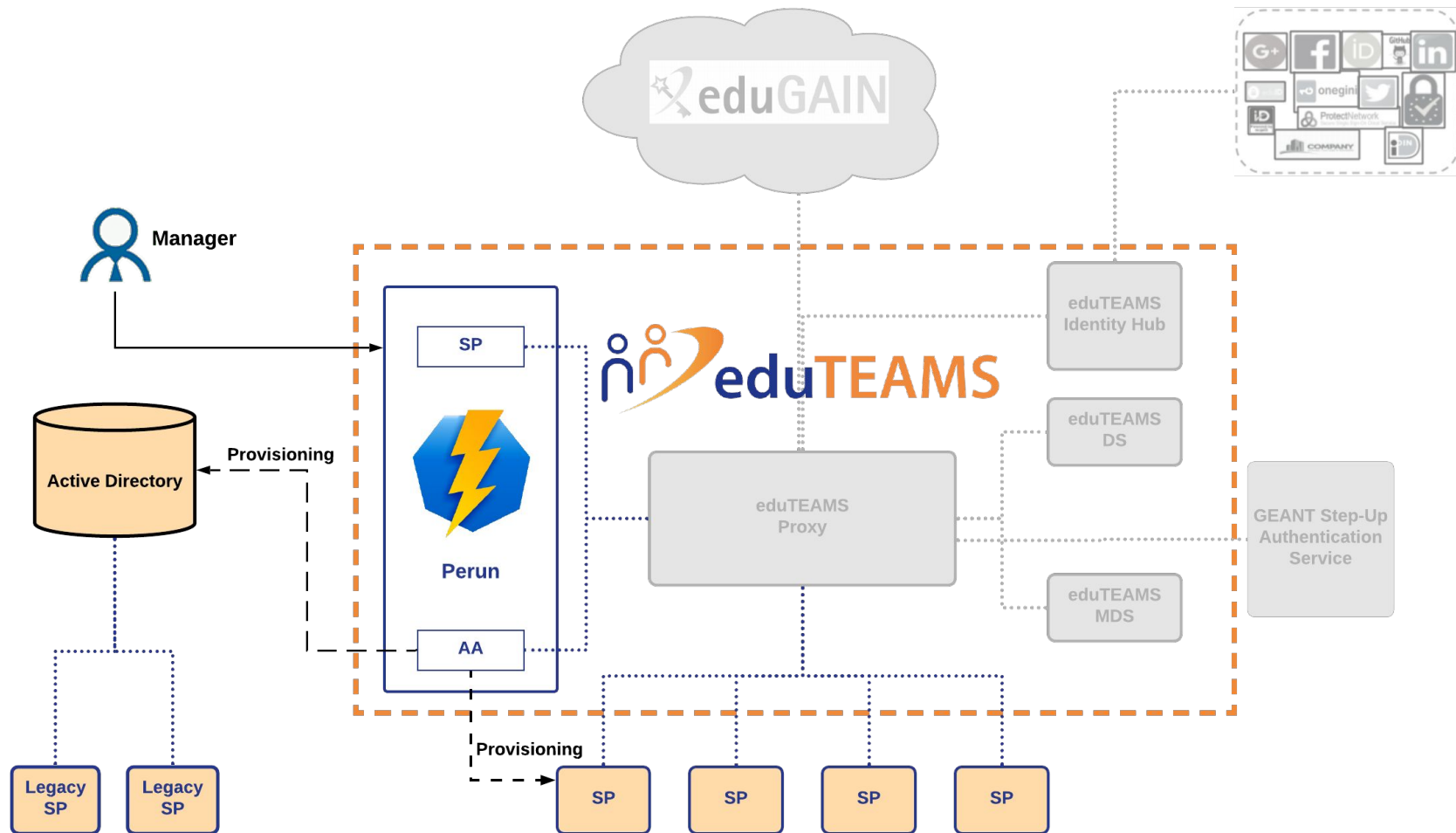
Status:	 VALID change <i>Member is properly configured and have access on provided resources.</i>
Expiration:	never change
Member type:	Person
Sponsored by:	N/A
Member ID:	19179
User ID:	3255
Password reset	 Send password reset request...

Building up eduTEAMS on top of existing AAI

- Case with existing active directory server and services connected to it
- Enhancing VO management capabilities
- Connecting services to eduTEAMS infrastructure







- With 3 MMS options we can cover all use-cases
 - Customization for decaticated and bespoke offering
 - Incorporating into existing environment
 - Data migration
- Consultation to select best MMS for particular user-case
- All MMS are available for tryout
 - <https://www.eduteams.org>
 - support@eduteams.org

Thank you

<https://www.eduteams.org>



support@eduteams.org