

# INDIGO IAM: status and evolution plans

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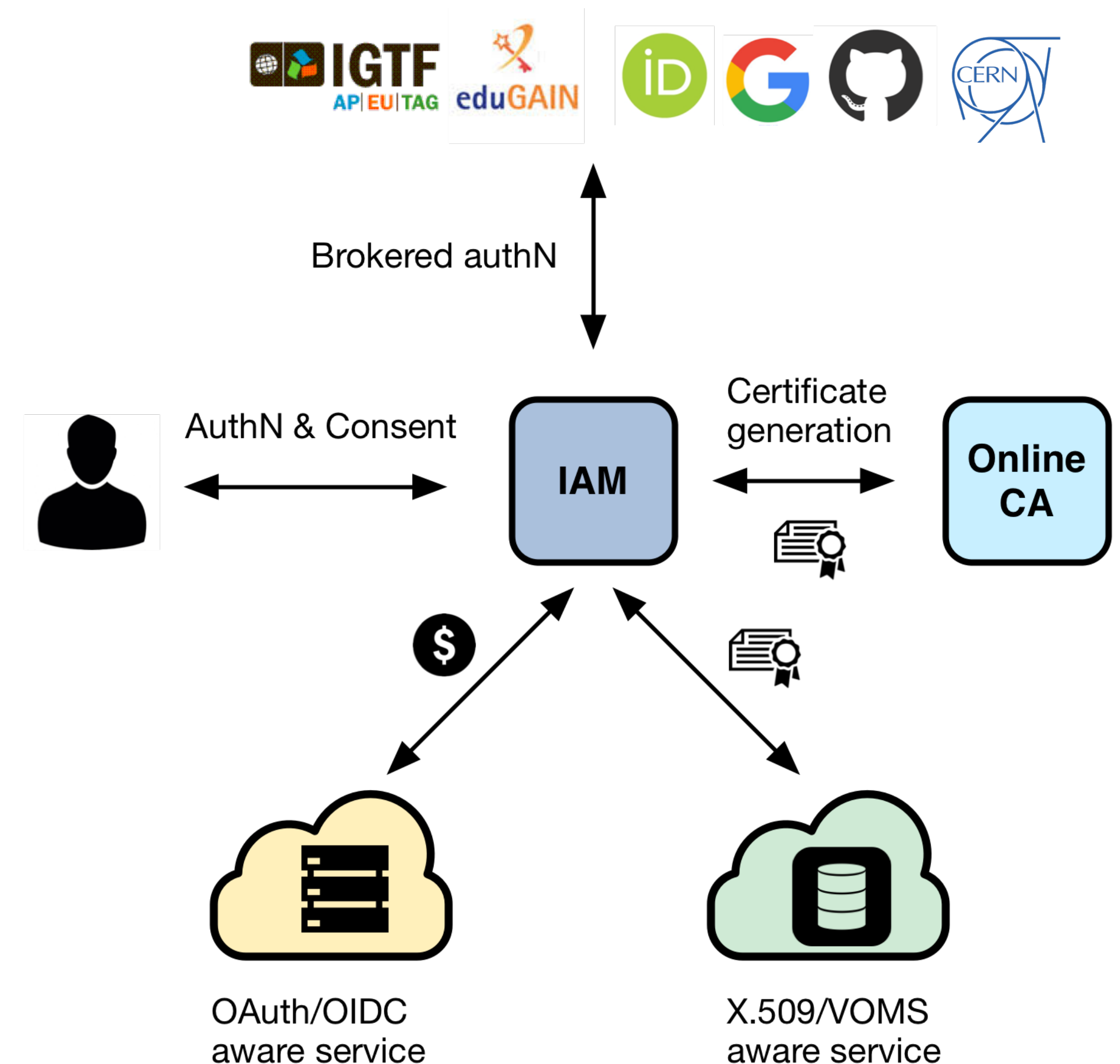
WoTBAn&Az  
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# INDIGO Identity and Access Management Service

An authentication and authorization service that

- supports **multiple authentication mechanisms**
- provides users with a **persistent, organization scoped identifier**
- exposes **identity information, attributes and capabilities** to services via **JWT** tokens and standard **OAuth & OpenID Connect** protocols
- can integrate existing **VOMS**-aware services
- supports **Web** and **non-Web access, delegation** and **token renewal**

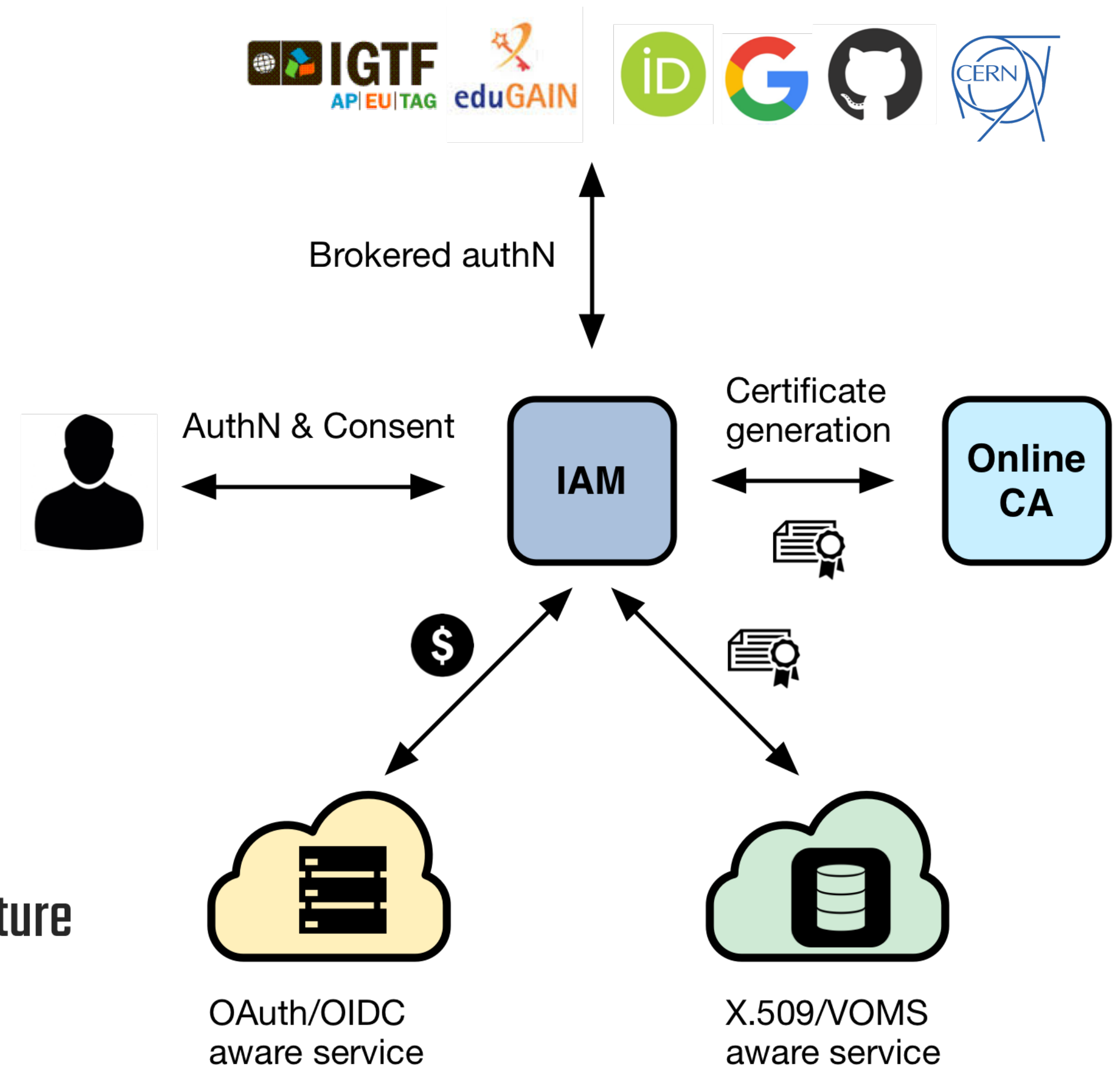
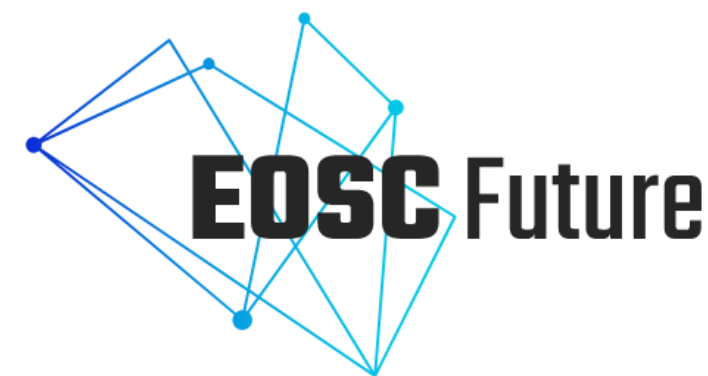


# INDIGO Identity and Access Management Service

First developed in the context of the **H2020 INDIGO DataCloud** project

**Selected by the WLCG management board** to be the core of the future, token-based WLCG AAI

**Sustained by INFN for the foreseeable future**, with current support from:



# IAM: main recent developments

## New website

- with restructured and improved documentation

## Improved token-exchange flexibility

- support for scope policies and token exchange policies

## Support for linking SSH keys to IAM accounts

- keys are then exposed to relying apps via SCIM provisioning APIs or accessible presenting a token

## The VOMS importer script

- Supports seamless migration from VOMS to IAM; currently deployed for CMS & ATLAS IAM deployments

## More in the release notes

- <https://github.com/indigo-iam/iam/releases/tag/v1.7.0>
- <https://github.com/indigo-iam/iam/releases/tag/v1.7.1>

# Main planned developments

## Improved Client management & registration

- <https://github.com/indigo-iam/iam/issues/386>, <https://github.com/indigo-iam/iam/issues/84>
- Current MitreID implementation has some scalability and usability limits
- Add ability to temporarily disable clients and expire clients that are not used for a certain amount of time
- Add the ability to allow client registration only to registered VO members

## Support for JWT-based client authentication

- <https://github.com/indigo-iam/iam/issues/426>

## Support for OAuth resource indicators

- <https://github.com/indigo-iam/iam/issues/381>
- ie., a standard way to request an audience for issued tokens

## Support for Multi-factor authentication

- <https://github.com/indigo-iam/iam/projects/7>

**Thanks for your attention.  
Questions?**

# References

IAM Website: <https://indigo-iam.github.io>

IAM @ GitHub: <https://github.com/indigo-iam/iam>

IAM Users workshop slides: <https://indico.cern.ch/event/970568/>

IAM in action video: <https://www.youtube.com/watch?v=1rZlvJADOnY>

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