

Moa technical profiles

Moa technical requirements are defined in the FedTLS schema as well as the below technical profile

Change log

Date	Author	Change
2023-02-22	Rasmus Larsson	Migrating profile from skolfederation.se to wiki Translating profile to English Adding Strengthened tags profile
2024-02-01	Johan Sandin	Added claim tags for clients Added tag 'gnapv1'
2024-03-20	Johan Sandin	Updated tag descriptions

Moa Technical Profile

- when uploading metadata to the Moa production environment the member **MUST NOT** upload anything other than production metadata. Test environment metadata **MUST NOT** occur in the production environment,
- the member's metadata **MUST** be in accordance with actual version of Federated TLS Authentication (see respective environment under [Moa environments](#) for more information),
- for every `client`'s claim `tags` there **MUST** exist one value in accordance with Strengthened Tags Profile.
- for every `server`'s claim `tags` there **MUST** exist at least one value in accordance with Strengthened Tags Profile.
- for every `entity`'s claim `organization` there **MUST** exist a value for the member organization's legal name,
- for every `entity`'s claim `organization_id` there **MUST** exist a value for the member organization's organization number in format LLYYMMDDXXXX where LL stands for the country code in accordance with ISO 3166-1 alpha 2

Strengthened Tags Profile

Strengthened tags are tags used in metadata which are vetted and used by a community for a specific purpose or context. A strengthened tag may be restricted to be used by certain parties, and the definition of the tags usage (such as API definition and information model) is handled within each tag community.

Tag name	Description	Learn more
egilv1	Defines endpoints that support user provisioning in accordance with the EGIL profile	https://sambruk.github.io/EgilDoc/implementationsprofil.html
bolv1	Defines endpoints that support ordering and delivery of digital learning resources.	
userlistv1	Defines endpoints that support delegating the selection of users to provision to a service provider.	
gnapv1	Entities using G NAP (Grant Negotiation and Authorization Protocol). Among other services, the tag represents the authentication API of The Swedish National Agency for Education, verifying clients to enable them to acquire an authorization JWT.	Contact Skolverket's Technical Support (Swedish) for information about how to use G NAP: https://www.skolverket.se/om-oss/kontakta-oss

Metadata signature

The aggregated metadata is signed with JWS and published with JWS JSON Serialization. The metadata signatures are created with the algorithm ECDSA using P-256 and SHA-256 ("ES256"), according to the definition in [RFC7518](#).



Metadata and validation examples

For metadata and validation examples, go to [Moa metadata example](#)