

Tagging Entities in Metadata

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Tagging Metadata for Inter-Federation Use

- UK Federation uses tags in metadata

<http://metadata.ukfederation.org.uk/ukfederation-metadata.xml>

- SDSSPolicy and UKFederationMember are such tags

```
<Extensions>
  <shibmeta:Scope regexp="false">typekey.iay.org.uk</shibmeta:Scope>
  <wayf:HideFromWAYF/>
  <SDSSPolicy/>
  <UKFederationMember/>
</Extensions>
```

- Tags are
 - extensions, to be ignored by unaware metadata consumers
 - metadata on metadata
 - very flexible, easily extensible
 - in need of proper definitions for inter-federation use

Tagging Metadata (2)

- Tags can be used to classify an entity as
 - test or production use
 - federation internal use only
 - inter-federation use acceptable
Perhaps with detailed tagging for a specific subset of federations by regions or target groups
 - assurance profiles supported by an entity
 - ...
- Adding a tag to the metadata of an entity implies compliance with the definition of that tag.
- A Federation assures such compliance by signing the metadata.

Tagging Metadata (3)

- A Metadata Service (MDS) acts as Trusted Third Party
- A Federation registers with a or more MDS of its choice
 - MDS and Federation bilaterally verify their signing keys
 - MDS fetches or Federation pushes its metadata
 - Federation selects metadata out of the pool at MDS
 - Federation signs the selected subset out of MDS pool and provides it to interested entities within the own federation
- Together with embedded certs tagging could enable scalable end-to-end inter-federation use