

Identifiers Used in Federations

The following table shows the core identifier attributes documented by federations for IdPs and SPs.

Note that those identified as core tend to be those that are specifically called out in federation documentation. This does not mean that IdPs and SPs within the federation do not make use of other identifiers.

Federation	"Core" Identifiers	Position	Reference
ACOnet, eduID.at	eduPersonTargetedID (a.k.a. SAML2 persistent NameID, urn:oid:1.3.6.1.4.1.5923.1.1.1.10), though: "the use of the eduPersonTargetedID attribute should be phased out and replaced in SAML 2.0 usage". eduPersonPrincipalName (urn:oid:1.3.6.1.4.1.5923.1.1.1.6) mail (urn:oid:0.9.2342.19200300.100.1.3) displayName (urn:oid:2.16.840.1.113730.3.1.241) givenName (urn:oid:2.5.4.42) sn/surname (urn:oid:2.5.4.4) - where applicable: Matrikelnummer (national student immatriculation number, as SCHAC personalUniqueCode attribute). Use should be limited to student administration systems	all IDPs should be able to generate the list of attributes specified (in the referenced documentation)	Make attributes available https://wiki.univie.ac.at/display/federation/Attributes
Australia, AAF	auEduPersonSharedToken displayName eduPersonTargetedID mail	Required that all IdPs are able to release	http://aaf.edu.au/technical/aaf-core-attributes/
Belgium, Belnet R&E Federation	No specific recommendations found		
Canada - Canadian Access Federation	No specific recommendations found		
Croatia - AAI@EduHr	hrEduPersonUniqueID (mandatory) uid (mandatory) cn (mandatory) sn (mandatory) givenName (mandatory) mail (mandatory) hrEduPersonUniqueNumber (mandatory) hrEduPersonOIB (mandatory) hrEduPersonPersistentID (mandatory) hrEduPersonCardNum (optional)	Mandatory / optional as listed	http://shema.aaiedu.hr/shema/
Czech Republic - eduID.cz	eduPersonPrincipalName (required to populate) cn (required to populate) eduPersonTargetedID (required to populate) givenName sn mail	As listed	http://eduid.cz/cs/tech/attributes
Finland - Haka			
France - Fédération Éducation-Recherche			
Germany - DFN-AAI			
Greece - GRNET AAI			
Ireland - Edugate			
Italy - IDEM			
Japan - GakuNin			

Norway - FEIDE			
Spain - SIR			
Sweden - SWAMID	• eduPersonPersistentID - (eptid) • eduPersonPrincipalName (eppn) • givenName, sn, displayName (or cn in some cases) • norEduPersonNIN		https://portal.nordu.net/display/SWAMID/Attribute+Profile
Switzerland - SWITCHaai	• swissEduPersonUniqueID (urn:oid:2.16.756.1.2.5.1.1.1) • eduPersonTargetedID (a.k.a. SAML2 persistent NameID) • email, givenName, sn The following ones only for interfederation enabled IdPs: • eduPersonUniqueID • eduPersonPrincipalName • cn, displayName	Core attributes are mandatory to implement, but not guaranteed to be available for all SPs.	https://www.switch.ch/aai/attributes/
The Netherlands - SurfConext	The user's identity is transmitted in the form of the NameID element of the SAML statement. Every Identity Provider must supply a NameID, but for privacy reasons SURFconext will generate a new one regardless. For convenience, this identifier is duplicated in the SAML attribute eduPersonTargetedID (see below). The two supported NameID types, for respectively persistent and transient NameID specifiers, are: • urn:oasis:names:tc:SAML:2.0:nameid-format:persistent • urn:oasis:names:tc:SAML:2.0:nameid-format:transient • Surname • Given name • Common name • Display name • Email address	Supported as appropriate via central hub.	https://wiki.surfnet.nl/display/surfconextdev/Attributes+in+SURFconext
USA - InCommon	• eduPersonPrincipalName • eduPersonTargetedID • sn • givenName • displayName • mail	List of attributes commonly used.	http://www.incommon.org/federation/attributesummary.html .
UK - UK Access Management Federation	• eduPersonTargetedID • eduPersonPrincipalName	Recommended that IdPs are able to release.	http://www.ukfederation.org.uk/library/uploads/Documents/recommendations-for-use-of-personal-data.pdf .