SOR-Registry Core Schema Strawman

draft

> ⓘ   See also: SOR-Registry Core Schema Specification

Schema Elements

For each product, the description indicates where that attribute attaches to the data model for purposes of developing a core schema. Some implementation-oriented details are skipped or normalized to facilitate discussion.

Attributes flagged (*) were identified in the Detailed Use Cases as likely common attributes.

Extensible Controlled Vocabularies provide a base set of common values, but additional may be defined on a per-installation basis.

> ⚠   The proposed schema does not require any particular attributes. Role attributes may be represented at Role or Person levels.

Attribute	Proposal	Multi-Valued?	Extensible Controlled Vocabulary	COmanage	CPR	OpenRegistry	KIM	eduPerson	IMS Global	OpenSocial	PESC	SCIM 2.0
Person	Core			*top*	*top*	*top*	*top* (Entity)	*top*	*top*	*top*		*top* (User)
Role	Core			Person		Person	Person (8)					
affiliation*	Core	One per Role	(14) • faculty • student • staff • alum • member • affiliate • employee • library-walk-in	Role, Person (2)	Person	Role	Person	Person	Person (institutionroletype)			Person (userType and/or roles)
date of birth*	Core				Person	Person	Person		Person	Person		
gender*	Core		• female • male		Person	Person	Person		Person	Person		
gender change	*custom extension*						Person					
org / department*	Core	Yes		Role, Person		Role	Person	Person		Person		Person
campus*	Core	One per parent object			Address	Department	Person					
photo	Core	Yes			Person (binary)				Person	Person (URL)		Person (URL)
sponsor*	Core	One per Role		Role		Role						
title*	Core	One per Role (16)		Role, Person	*tbd*	Role		Person				Person
valid from / through*	Core	Per Role		Role	Person (3)	Role (11)						
hire / termination (9)	Core	Per Role				Role						
status (10)	Core, with SOR type-specific vocabularies	Per Role	• Active • Leave of Absence • Terminated • Admitted • Registered • Suspended	Role (Limited)		Role	Person					
termination reason	Core, with SOR type-specific vocabularies	Per Role	• Deceased • Resigned • Retired • Terminated • Graduated • Withdrew			Role						
percent time*	Core	Per Role				Role						
leave of absence	Core	Per Role				Role	Person					

Field	Type	Multi	Values									
ethnicity*	Core		• American Indian or Alaska Native • Asian • Black/African American • Hispanic • Native Hawaiian or Other Pacific Islander • Other • White (12)		*Planned*		Person		Person (demographics)	Person		
citizenship*	Core		ISO 3166-1 alpha-2 Code		*Planned*		Person					
visa status*	Core		• Permanent Resident • Visa Type (eg: "F")		*Planned*		Person					
employee type	HR	One per Role	• Consultant • Contractor • Emeritus • Exempt • Regular • Tenured • Vendor • Work-Study				Person					
salary	*custom extension*						Person					
marital status*	*custom extension*						Person					
deceased	*use status field or custom extension*						Person					
preferred language	*custom extension*						Person	Person				Person
birth location	*custom extension*						Person					
directory release*	Core (but perhaps more general)				confidentiality?	Person (11)						
residence hall*	Student						(6)					
class year*	Student						(6)					
course membership	Student	Yes	(15)									
Address*	Core	Yes		Person, Role	Person	Role	Role	Person	Person	Person		Person
line1 line2 line3 room locality / city state / region postal_code country verified attention line type			• Campus • Home • Office • Parent • Postal • Summer	Address Address Address Address Address Address	Address Address Address Address Address Address Address Address	Address Address Address Address Address Address Address	Address Address Address Address Address Address Address Address	Address Address Address Address Address	Address Address Address	Address Address Address		Address Address Address Address
Email Address*	Core	Yes	• Forwarding • Official • Preferred	Person	Person	Role (5)	Role	Person	Person	Person		Person
Identifier*	Core, with custom typing	Yes	• Badge ID • NetID • SORID • University ID (7)	Person	Person (4)	Person		Person	Person	Person		Person
Identity Proofing (13)	Core	Yes?	• Type of Document • Document Issuer • Full Name • Date of Birth • Address of Record • Address Verified • Status • Timestamp	*tbd*	Person			Person				
Name*	Core	Yes		Person	Person	Person	Person	Person	Person	Person		Person
honorific / prefix given / first middle family / last suffix type	Components and /or Display String?		• Author • FKA • Official • Preferred	Name Name Name Name Name	Name Name Name Name	Name Name Name	Name Name Name Name	Person Person	Person Person (other) Person Person Person	Person Person Person Person Person		Name Name Name Name Name

Telephone Number*	Core	Yes	• Campus • Fax • Home • Mobile • Summer	Person, Role	Person	Role (5)	Role	Person	Person	Person		Person
URL	Core	Yes	• Official • Personal			Role			Person	Person		Person
Extended Attributes (1)	*custom extension*	Varies		Role		(6)			Person (extension)			

Element Metadata

- Localization (eg: attribute value is EN_US or JP_JP)
- Type (eg: home, office; eppn; netid; etc)
- Attribute Release Policy? (eg: ok-to-publish-my-phone-number)

[1] Attributes that are defined in a local installation but are not part of the standard/default data model.

[2] COmanage stores organizational and VO identity differently, thus some attributes are attached both to a Person object (for org identities) and a Role object (for VO identities).

[3] CPR has valid from / through on all data elements.

[4] Various specific tables, such as userid, psu_id, etc.

[5] An additional "contact email" and "contact phone" is attached to the Person object.

[6] Various additional data elements, including support for extended attributes, were designed but are not currently implemented.

[7] Also need to convey deprecated (ie: merged) identifiers.

[8] Child of Person (Entity) is called *Entity Ent*. Unclear that this is functionally a Role equivalent. There are also separate role tables.

[9] Or any other role-specific start/end dates (such as matriculation/graduation) that may not exactly map to valid from/until.

[10] Active, On Leave, Retired, etc.

[11] Originally designed to be more flexible than what current implementation supports.

[12] Multi-valued. Based on US Census Definitions, which in turn are based on OMB standards.

[13] Uses InCommon Silver as a reference point.

[14] Affiliation could have two levels, eg: student/undergrad.

[15] May include both course designator (eg: CS 101) and course role (eg: learner, TA, etc). See also eduCourse / CourseID.

[16] May need official vs display (eg: "Professor" vs "Sterling Professor of Rare Earth Elements")

References

1. COmanage Registry Data Model
2. CPR Data Model (authn required)
3. OpenRegistry Data Model
4. KIM Data Model ERD
5. eduPerson
6. IMS Enterprise Information Model and XML Binding
7. OpenSocial Social Data 2.5 Draft
8. PESC, Core Main Schema v1.12, CEDS -- way too complex?
9. SCIM