eduPerson and SCHAC

sending attributes outside your organization

Victoriano Giralt

Central ICT Services
University of Málaga

Cork
May 19th, 2009

Sending attributes out
the need for a common language

Sending attributes out
the need for a common language

Interoperability is the degree to which a provider and a consumer can succesfully interface having never met

Coppeto, T.: Introduction To OSID V3 for developers

Sending attributes out
the need for a common language

*Interoperability is the degree to which a provider and
a consumer can succesfully interface having never met*

Coppeto, T.: Introduction To OSID V3 for developers

In order to achieve this, the parties need a common language
with semantics and syntax that both of them understand

Need
eduPerson
SCHAC

What
Who
Parts

eduPerson schema
Internet2 effort for an standard schema

- Coordinated effort in Internet2, through MACE,
  for a common higher education person schema definition

Need
eduPerson
SCHAC

What
Who
Parts

eduPerson schema
Internet2 effort for an standard schema

- Coordinated effort in Internet2, through MACE,
  for a common higher education person schema definition
- It is developed with inputs from the global
  higher education community

Need
eduPerson
SCHAC

What
Who
Parts

eduPerson schema
Internet2 effort for an standard schema

- Coordinated effort in Internet2, through MACE, for a common higher education person schema definition
- It is developed with inputs from the global higher education community
- MACE-dir Working Group is the forum for eduPerson related discussion, through list and calls

Need
eduPerson
SCHAC

What
Who
Parts

eduPerson
The players

- Internet2

Need
eduPerson
SCHAC

What
Who
Parts

eduPerson
The players

- Internet2
  - "the advanced networking consortium in US"

Need
eduPerson
SCHAC

What
Who
Parts

eduPerson
The players

- Internet2
  - "the advanced networking consortium in US"
  - Provides advanced networking services

Need
eduPerson
SCHAC

What
Who
Parts

eduPerson
The players

- Internet2
  - "the advanced networking consortium in US"
  - Provides advanced networking services
  - Has more than 300 member institutions

Need
eduPerson
SCHAC

What
Who
Parts

eduPerson
The players

- Internet2
  - "the advanced networking consortium in US"
  - Provides advanced networking services
  - Has more than 300 member institutions
  - Activities take place in working groups

Need
eduPerson
SCHAC

What
Who
Parts

eduPerson
The players

- Internet2
  - "the advanced networking consortium in US"
  - Provides advanced networking services
  - Has more than 300 member institutions
  - Activities take place in working groups
- MACE

Need
eduPerson
SCHAC

What
Who
Parts

eduPerson
The players

- Internet2
  - "the advanced networking consortium in US"
  - Provides advanced networking services
  - Has more than 300 member institutions
  - Activities take place in working groups
- Middleware Architecture Committee for Education

Need
eduPerson
SCHAC

What
Who
Parts

eduPerson
The players

- Internet2
  - "the advanced networking consortium in US"
  - Provides advanced networking services
  - Has more than 300 member institutions
  - Activities take place in working groups
- **M**iddleware **A**rchitecture **C**ommittee for **E**ducation
  - Runs MACE-dir, the directory working group, defines eduPerson

Need
eduPerson
SCHAC

What
Who
Parts

eduPerson
The players

- Internet2
    - "the advanced networking consortium in US"
    - Provides advanced networking services
    - Has more than 300 member institutions
    - Activities take place in working groups
- Middleware Architecture Committee for Education
    - Runs MACE-dir, the directory working group, defines eduPerson
    - MACE has members also from outside the US

Need
eduPerson
SCHAC

What
Who
Parts

What's in eduPerson
the eduPerson attributes

Need
eduPerson
SCHAC

What
Who
Parts

What's in eduPerson
the eduPerson attributes

The eduPerson object class (200806 spec)
provides the following attributes

Need
eduPerson
SCHAC

What
Who
Parts

What's in eduPerson
the eduPerson attributes

The eduPerson object class (200806 spec)
provides the following attributes

- eduPersonAffiliation

Need
eduPerson
SCHAC

What
Who
Parts

What's in eduPerson
the eduPerson attributes

The eduPerson object class (200806 spec)
provides the following attributes

- eduPersonAffiliation
- eduPersonNickname

Need
eduPerson
SCHAC

What
Who
Parts

What's in eduPerson
the eduPerson attributes

The eduPerson object class (200806 spec)
provides the following attributes

- eduPersonAffiliation
- eduPersonNickname
- eduPersonOrgDN

Need
eduPerson
SCHAC

What
Who
Parts

What's in eduPerson
the eduPerson attributes

The eduPerson object class (200806 spec)
provides the following attributes

- eduPersonAffiliation
- eduPersonNickname
- eduPersonOrgDN
- eduPersonOrgUnitDN

Need
eduPerson
SCHAC

What
Who
Parts

What's in eduPerson
the eduPerson attributes

The eduPerson object class (200806 spec)
provides the following attributes

- eduPersonAffiliation
- eduPersonNickname
- eduPersonOrgDN
- eduPersonOrgUnitDN
- eduPersonPrimaryAffiliation

Need
eduPerson
SCHAC

What
Who
Parts

What's in eduPerson
the eduPerson attributes

The eduPerson object class (200806 spec)
provides the following attributes

- eduPersonAffiliation
- eduPersonNickname
- eduPersonOrgDN
- eduPersonOrgUnitDN
- eduPersonPrimaryAffiliation
- eduPersonPrincipalName

Need
eduPerson
SCHAC

What
Who
Parts

What's in eduPerson
the eduPerson attributes

The eduPerson object class (200806 spec)
provides the following attributes

- eduPersonAffiliation
- eduPersonNickname
- eduPersonOrgDN
- eduPersonOrgUnitDN
- eduPersonPrimaryAffiliation
- eduPersonPrincipalName
- eduPersonEntitlement

Need
eduPerson
SCHAC

What
Who
Parts

What's in eduPerson
the eduPerson attributes

The eduPerson object class (200806 spec)
provides the following attributes

- eduPersonAffiliation
- eduPersonNickname
- eduPersonOrgDN
- eduPersonOrgUnitDN
- eduPersonPrimaryAffiliation
- eduPersonPrincipalName
- eduPersonEntitlement
- eduPersonPrimaryOrgUnitDN

Need
eduPerson
SCHAC

What
Who
Parts

What's in eduPerson
the eduPerson attributes

The eduPerson object class (200806 spec)
provides the following attributes

- eduPersonAffiliation
- eduPersonNickname
- eduPersonOrgDN
- eduPersonOrgUnitDN
- eduPersonPrimaryAffiliation
- eduPersonPrincipalName
- eduPersonEntitlement
- eduPersonPrimaryOrgUnitDN
- eduPersonScopedAffiliation

Need
eduPerson
SCHAC

What
Who
Parts

What's in eduPerson
the eduPerson attributes

The eduPerson object class (200806 spec)
provides the following attributes

- eduPersonAffiliation
- eduPersonNickname
- eduPersonOrgDN
- eduPersonOrgUnitDN
- eduPersonPrimaryAffiliation
- eduPersonPrincipalName
- eduPersonEntitlement
- eduPersonPrimaryOrgUnitDN
- eduPersonScopedAffiliation
- eduPersonTargetedID

Need
eduPerson
SCHAC

What
Who
Parts

What's in eduPerson
the eduPerson attributes

The eduPerson object class (200806 spec)
provides the following attributes

- eduPersonAffiliation
- eduPersonNickname
- eduPersonOrgDN
- eduPersonOrgUnitDN
- eduPersonPrimaryAffiliation
- eduPersonPrincipalName
- eduPersonEntitlement
- eduPersonPrimaryOrgUnitDN
- eduPersonScopedAffiliation
- eduPersonTargetedID
- eduPersonAssurance

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

Why SCHAC
if we already have eduPerson?

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

Why SCHAC
if we already have eduPerson?

The tf-emc^2 group found that there were enough driving needs
to start working on harmonizing high education schemas

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

Why SCHAC
if we already have eduPerson?

The tf-emc^2 group found that there were enough driving needs
to start working on harmonizing high education schemas

- Many European countries had similar local schemas

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

Why SCHAC
if we already have eduPerson?

The tf-emc^2 group found that there were enough driving needs
to start working on harmonizing high education schemas

- Many European countries had similar local schemas
- eduPerson needed some local extensions for Europe

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

Why SCHAC
if we already have eduPerson?

The tf-emc^2 group found that there were enough driving needs to start working on harmonizing high education schemas

- Many European countries had similar local schemas
- eduPerson needed some local extensions for Europe
- There is real need for a common European schema

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

Why SCHAC
if we already have eduPerson?

The tf-emc^2 group found that there were enough driving needs
to start working on harmonizing high education schemas

- Many European countries had similar local schemas
- eduPerson needed some local extensions for Europe
- There is real need for a common European schema
    - Eduroam

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

Why SCHAC
if we already have eduPerson?

The tf-emc^2 group found that there were enough driving needs to start working on harmonizing high education schemas

- Many European countries had similar local schemas
- eduPerson needed some local extensions for Europe
- There is real need for a common European schema
  - Eduroam
  - Bologna process

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

Why SCHAC
if we already have eduPerson?

The tf-emc^2 group found that there were enough driving needs to start working on harmonizing high education schemas

- Many European countries had similar local schemas
- eduPerson needed some local extensions for Europe
- There is real need for a common European schema
  - Eduroam
  - Bologna process
  - eduGAIN (GN2 AAI)

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

How we have designed and created SCHAC
from the idea to the published document

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

How we have designed and created SCHAC
from the idea to the published document

Work was started creating an open SCHAC workgroup
seeded with members of tf-emc^2 from each country at hand

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

How we have designed and created SCHAC
from the idea to the published document

Work was started creating an open SCHAC workgroup
seeded with members of tf-emc^2 from each country at hand

- Each country offered their schema

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

How we have designed and created SCHAC
from the idea to the published document

Work was started creating an open SCHAC workgroup
seeded with members of tf-emc^2 from each country at hand

- Each country offered their schema
- Common or useful attributes where selected

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

How we have designed and created SCHAC
from the idea to the published document

Work was started creating an open SCHAC workgroup
seeded with members of tf-emc^2 from each country at hand

- Each country offered their schema
- Common or useful attributes where selected
- Care was taken that URN values where used for
  namespace delegation

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

How we have designed and created SCHAC
from the idea to the published document

Work was started creating an open SCHAC workgroup
seeded with members of tf-emc^2 from each country at hand

- Each country offered their schema
- Common or useful attributes where selected
- Care was taken that URN values where used for
  namespace delegation
- When the group was happy enough,
  an schema definition was first published

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

What is there in SCHAC
attributes and object classes

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

What is there in SCHAC
attributes and object classes

The group followed the document

"Higher-Education Person: A comparative Analysis of
Collaborative Public LDAP Person Object Classes
in Higher Education"

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

What is there in SCHAC
attributes and object classes

- schacPersonalCharacteristics

Personal characteristics

- schacMotherTongue
- schacGender
- schacDateOfBirth
- schacPlaceOfBirth
- schacCountryOfCitizenship
- schacSn1
- schacSn2
- schacPersonalTitle

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

What is there in SCHAC
attributes and object classes

- schacPersonalCharacteristics
- schacContactLocation

Contact / Local information

- schacHomeOrganization
- schacHomeOrganizationType
- schacCountryOfResidence
- schacUserPresenceID

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

What is there in SCHAC
attributes and object classes

- schacPersonalCharacteristics
- schacContactLocation
- schacEmployeeInfo

Employee information

- schacPersonalPosition

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

What is there in SCHAC
attributes and object classes

- schacPersonalCharacteristics
- schacContactLocation
- schacEmployeeInfo
- schacLinkageIdentifiers

Linkage identifiers

- schacPersonalUniqueCode
- schacPersonalUniqueID

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

What is there in SCHAC
attributes and object classes

- schacPersonalCharacteristics
- schacContactLocation
- schacEmployeeInfo
- schacLinkageIdentifiers
- schacEntryMetadata

Entry metadata

- schacExpiryDate

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

What is there in SCHAC
attributes and object classes

- schacPersonalCharacteristics
- schacContactLocation
- schacEmployeeInfo
- schacLinkageIdentifiers
- schacEntryMetadata
- schacEntryConfidentiality

Confidentiality / AR / Visibility

- schacUserPrivateAttribute

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

What is there in SCHAC
attributes and object classes

- schacPersonalCharacteristics
- schacContactLocation
- schacEmployeeInfo
- schacLinkageIdentifiers
- schacEntryMetadata
- schacEntryConfidentiality
- schacUserEntitlements

Authorization, entitlements

- schacUserStatus

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

Where can you find SCHAC
the official web page and maillist

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

Where can you find SCHAC
the official web page and maillist

- http://www.terena.org/activities/tf-emc2/schac.html

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

Where can you find SCHAC
the official web page and maillist

- http://www.terena.org/activities/tf-emc2/schac.html
- schac@terena.org

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

Who is using SCHAC
the SCHAC user community

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

Who is using SCHAC
the SCHAC user community

- GEANT IdP (GIdP) uses some attributes

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

Who is using SCHAC
the SCHAC user community

- GEANT IdP (GIdP) uses some attributes
- All 11 IdP's in Haka use at least schacHomeOrganization and schacHomeOrganizationType

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

Who is using SCHAC
the SCHAC user community

- GEANT IdP (GIdP) uses some attributes
- All 11 IdP's in Haka use at least schacHomeOrganization and schacHomeOrganizationType
- Slovenia and Denmark (WAYF.dk)

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

Who is using SCHAC
the SCHAC user community

- GEANT IdP (GIdP) uses some attributes
- All 11 IdP's in Haka use at least schacHomeOrganization and schacHomeOrganizationType
- Slovenia and Denmark (WAYF.dk)
- RedIRIS uses SCHAC internally and recommends the use in Spain which has led to adoption at several members of the constituency

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

Who is using SCHAC
the SCHAC user community

- GEANT IdP (GIdP) uses some attributes
- All 11 IdP's in Haka use at least schacHomeOrganization and schacHomeOrganizationType
- Slovenia and Denmark (WAYF.dk)
- RedIRIS uses SCHAC internally and recommends the use in Spain which has led to adoption at several members of the constituency
- Australian Access Federation uses some attributes in auEduPerson

Intentionally non exhaustive

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

Who can influence SCHAC
the SCHAC architect community

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

Who can influence SCHAC
the SCHAC architect community

We like to think we are an open group

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

Who can influence SCHAC
the SCHAC architect community

We like to think we are an open group

- The tf-emc^2 work group

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

Who can influence SCHAC
the SCHAC architect community

We like to think we are an open group

- The tf-emc^2 work group
- The SCHAC maillist members

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

Who can influence SCHAC
the SCHAC architect community

We like to think we are an open group

- The tf-emc^2 work group
- The SCHAC maillist members
- Australian auEduPerson WG

Need
eduPerson
SCHAC

Why
How
Parts
Where
Who

Thank you
Questions?

answers not assured