

Move

around our *virtual* campus

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A challenge

ten universities, one campus



confia

A challenge

ten universities, one campus



Campus Andaluz Virtual
CAV

(Andalusian Virtual Campus)



A solution

Let's form a federation



A solution

Let's form a federation



A solution

Let's form a federation



of trust



Learning management systems

the tool for teaching over the net



Learning management systems

the tool for teaching over the net

We had three of them to connect



Learning management systems

the tool for teaching over the net

We had three of them to connect

- Moodle
- Ilias
- WebCT



Student registration systems

where course relationships are stored



Student registration systems

where course relationships are stored

We also had several *flavours*



Student registration systems

where course relationships are stored

We also had several *flavours*

- Universitas XXI
- Sigma
- Homegrown



Course codes

The connection



Course codes

The connection

We were also very creative at that



Course codes

The connection

We were also very creative at that

- Home university codes
- Receiving university codes
- CAV codes



Interoperation

a clear need

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

Coppeto, T.: Introduction To OSID V3 for developers



Interoperation

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



Consensus

our way to reach a goal



confia

Language

our common vehicle for sharing knowledge



Language

our common vehicle for sharing knowledge

Our language is made of three attribute schemas



Language

our common vehicle for sharing knowledge

Our language is made of three attribute schemas

- eduPerson
- **SCHAC**
- irisEduPerson



Language

a simple vocabulary



Language

a simple vocabulary

We defined three sets of attributes



Language

a simple vocabulary

We defined three sets of attributes

- Mandatory
- Recommended
- Optional



schacUserStatus

the crown jewel

urn:mace:terena.org:schac:userStatus:es:
campusandaluzvirtual.es:XX3031:2009:student:A

- A code for the Andalusian Virtual Campus
- Course 3031 (needs to be mapped to local code)
- Term start year
- User role
- Status (active/inactive)



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Provisioning

how to get the LMSs to play in the federation



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We developed provisioning plugins for the LMSs that use the identity assertions for



Provisioning

how to get the LMSs to play in the federation

We developed provisioning plugins for the LMSs that use the identity assertions for

- creating or updating the user accounts
- granting access to courses
- blocking access to courses



Usage

numbers about our use case

Usage of our federated virtual campus

- 9000 students
- 100 courses
- 15000 authentications / month
- < 5 *problems* / month



Thank you



Thank you

Questions?

answers not assured

