CONFIA

Federated Identity Infrastructure for Andalusian Universities

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Outline



Outline









The driving needs behind a University Identity Federation

Student mobility, is real





The driving needs behind a University Identity Federation

Student mobility, physical or virtual, is real





- Student mobility, physical or virtual, is real
- Research is more collaborative than ever





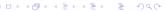
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- Research is more collaborative than ever
- Bologna is coming





- Student mobility, physical or virtual, is real
- Research is more collaborative than ever
- Bologna is coming, like it or not





are the needs for our identity federation



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We wanted our federation to

• Support any user in all member institutions



are the needs for our identity federation

- Support any user in all member institutions
- Allow members to choose their poison

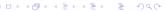




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- Support any user in all member institutions
- Allow members to choose their poison => multitechnology
- Fill other's voids
- Have a reference for testing and validation
- Have use cases for members to deploy
- Be open, my friend
 - Use standards: eduPerson, SCHAC, ...
 - Use Open Source





How

did we desing our federation



How did we desing our federation





How did we desing our federation

We have worked by committee

A core group of some experienced people



How did we desing our federation

- A core group of some experienced people
- Techies and managers around the same table





- A core group of some experienced people
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- Old and new are welcome





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- Bring your flavor of IdM, we will connect it





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=

The colourful ole Andalusian way





Outline





Who

is participating in our federation



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IdPs and SPs belong to the community, with the following actors



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- The ten pubic Andalusian Universities, some entering earlier than others





IdPs and SPs belong to the community, with the following actors

- RICA, the Andalusian Regional REN, as operator
- The ten pubic Andalusian Universities, some entering earlier than others
- RedIRIS, as the way paver





have we produced up to now



have we produced up to now

We have been busy for one year





Metadata

Metadata management

- + Dynamic metadata
- + Metadata based WAYF
- + Metadata query





- Metadata
- Trust

Trust fabric building

- + Representatives' digital signatures
- + TERENA SCS certificates
- + Trust root and policy manager





- Metadata
- Trust
- Documents

Use cases

- + Andalusian Virtual Campus
- + Reciprocal library registration
- + Federated file swapping
- + Federated SSH





- Metadata
- Trust
- Documents
- Services

Supporting software

- + Federated log parser
- + Metadata management tool
- + Federated SSH daemon





Where

have we reached



Where have we reached



Where have we reached

We have not just sat and talked, we also have

connected diverse IdM technologies





Where have we reached

- connected diverse IdM technologies
- produced some material





- connected diverse IdM technologies
- produced some material
- produced some code





- connected diverse IdM technologies
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- produced some code
- experimented new technologies





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- have a working federation





- connected diverse IdM technologies
- produced some material
- produced some code
- experimented new technologies
- have a working federation, although with few services





Where

have we reached, and how



Where

have we reached, and how



• SAML 2.0





- SAML 2.0
- Shibboleth





- SAML 2.0
- Shibboleth, 2 arrived just in time





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- Consigna file sharing service





- SAML 2.0
- Shibboleth, 2 arrived just in time
- SimpleSAMLphp
- Consigna file sharing service, our touch stone





Outline





The procurement document bring in the mercenaries



bring in the mercenaries

We have glued all the pieces, we have a working mock-up



bring in the mercenaries





bring in the mercenaries

We have glued all the pieces, we have a working mock-up so now, we know, we want our service

Open Source





bring in the mercenaries

- Open Source
- thoroughly documented





bring in the mercenaries

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- thoroughly documented
- with nice user interfaces





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- law proofed





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- deployed in all member Universities





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- deployed in all member Universities
- and painted green





bring in the mercenaries

- Open Source
- thoroughly documented
- with nice user interfaces
- law proofed
- deployed in all member Universities
- and painted green, please





The great opening a politically sellable application

We hope to go full production with a federated virtual campus composed of ten Universities during the present academic term





New development or keeping the fun for us



New development or keeping the fun for us



New development

or keeping the fun for us

We have found some interesting things to play with

ARP and informed consent





New development

or keeping the fun for us

- ARP and informed consent
- The Single Logout Problem





New development or keeping the fun for us

- ARP and informed consent
- The Single Logout Problem
- Reaching outside the browser





New development or keeping the fun for us

- ARP and informed consent
- The Single Logout Problem
- Reaching outside the browser
- Entitlement granting







• It is possible to build a multi technology Federation



 It is possible to build a multi technology Federation we have done it :-)



- It is possible to build a multi technology Federation we have done it :-)
- We have produced some useful material





- It is possible to build a multi technology Federation we have done it :-)
- We have produced some useful material look for it at http://confia.aupa.info/





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- It is possible to build a multi technology Federation we have done it :-)
- We have produced some useful material look for it at http://confia.aupa.info/ (translated into English real soon now)
- The real work has just started





Questions?



Questions?

you might even get answers



