FIAM
how can it help our project

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Bologna
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Outline

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Our needs
starting point

Basic requirements for our federation

- Compatibility
- Quick deployment
- Flexibility
- Power
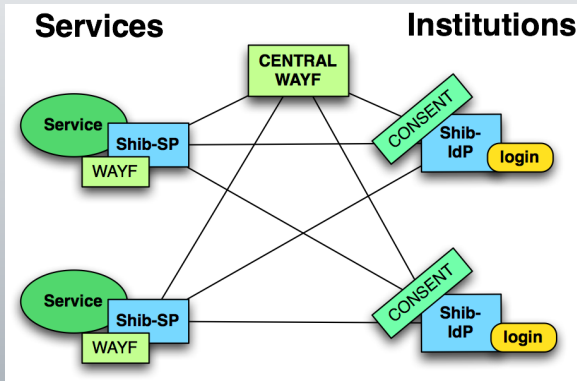- *Modernity*

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Our selection
building blocks

Basic decisions

- SAML 2.0
- Open developments
- Open collaboration
- A first service: shared LMS's

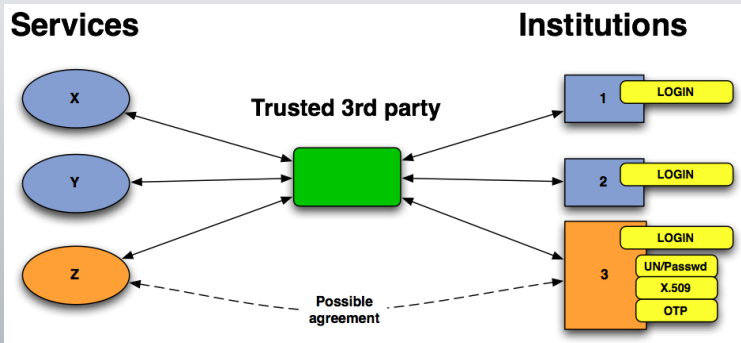confía

Technicalities

trust fabric

Star shaped federation

Technicalities
trust fabric

Hub & spoke federation

Hub&Spoke model

Technicalities
trust fabric

Getting the best of out each model: CONFÍA

Technicalities
trust fabric

Getting the best of out each model: CONFÍA

+ Techical H&S: better scalability
+ Legal star: greater liberty

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Confia demo
a federation in a laptop

A quick overview of confia innards

con**fía**

Questions
will all this be useful for us

How can FIAM help the Mobility project?

- what should we do technically to start using FIAM
- can we attach our applications to eduGAIN
- what attributes we need to authorize
  users and/or web services
- what should we do from the organizational point of view

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Answers

what we need to start using FIAM

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Attribute sources or attribute consumers?

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Answers

what we need to start using FIAM

Attribute sources or attribute consumers?

- Both

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- Sending university service

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Answers
what we need to start using FIAM

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- Both
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  - consumes identity attributes for authorisation

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Answers
what we need to start using FIAM

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- Both
- Sending university service
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    - produces attributes with mobility data
- Receiving university service

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Answers
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Answers
what we need to start using FIAM

Some tools to get acquainted with the technology

- A playground
- Some IdPs
- Some SPs
  - List service
  - Federated wiki

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Answers
eduGAIN and friends

- eduGAIN is still a pilot

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Answers

eduGAIN and friends

- eduGAIN is still a pilot
  - First federations connecting this month

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Answers
eduGAIN and friends

- eduGAIN is still a pilot
  - First federations connecting this month
  - Mobility

Answers

eduGAIN and friends

- eduGAIN is still a pilot
  - First federations connecting this month
  - Mobility
    - common service

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Answers

eduGAIN and friends

- eduGAIN is still a pilot
  - First federations connecting this month
  - Mobility
    + common service
    + participants in several federations

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- GEMBus (GEANT3)
  Mobility SOAP service is a perfect use case

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  - I have contacted Josh Howlet and Valter Nordh
- GEMBus (GEANT3)
  Mobility SOAP service is a perfect use case
- GN3 is working on
  SAML tokens for authorising web services,
  and even have code (Java, Perl and PHP)

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Answers

the attribute *onion* soup
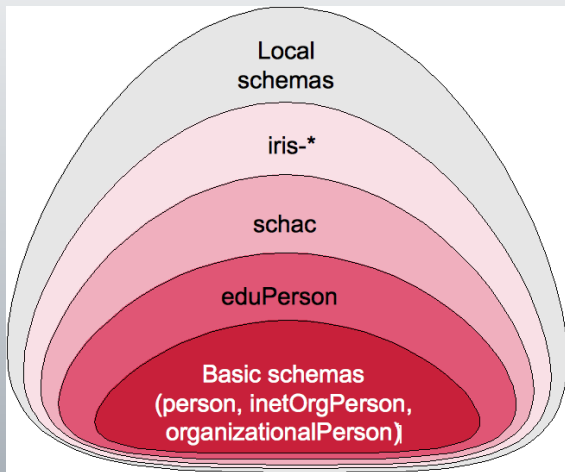
Answers

the attribute *onion* soup

We need two sets of attributes

- Identification and Authorisation
    - Pseudonimous?
    - Identified?
    - Authorised at origin?
    - Authorised at destination?
- Data transfer
    - Syntax
    - Semantics

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Answers
to questions that have not been asked

How can we move our data along?

- end to end connections (difficult to scale)
- well known services organized in H&S
- Hierachy of XML routers *a la* eduroam (OM2)
- Federated attribute collectors (Springfika)
- all of the above

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Answers
organising ourselves

We should decide (as we did in Andalusia)

- Front or back channel
- Fast deployment or *fancy* technologies

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Answers

organising ourselves

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audience input required

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Thank you

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Let's start the fun!

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