

A proposal

for federating current and legacy
applications and services

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Federations

what are they useful for?

Federations

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Authenticating users and asserting information about them



Login

UserID:

Password:

Login remember my userid



Federations

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Using **F**ederated **I**ntity and **A**ccess **M**anagement, we gain

Federations

what are they useful for?

Using **F**ederated **I**ntity and **A**ccess **M**anagement, we gain

- Better and scalable access management
- Better and scalable identity management
- More services for users
- More users for services
- Better services

Applications

we need them

Useful applications are a critical need,

Applications

we need them

Useful applications are a critical need, users want

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- Wikis

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- Wikis
- Blogs

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- Wikis
- Blogs
- Mailing lists

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- Wikis
- Blogs
- Mailing lists
- Web Forums

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- Web file sharing

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- ...

Applications

we hate them

Applications

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Applications have an attitude

Applications

we hate them

There's one way for doing things

Applications

we hate them

There's one way for doing things



First take

a simplistic approach

- + Minimally invasive
- ± Just one method to call
- Simply a wrapper over SimpleSAMLphp

Works

but not as expected

We found some hurdles

- Session clash
- Cookie mixup
- Application user stores
- Tangled code
- Closed source
- ...
- reliant on one FIAM technology

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back to the drawing board ...



Basic functions

minimal set needed by most apps

Four methods that follow the OKI naming model

- **user logged in?** = `bool isUserAuthenticated()`
- **authenticate user** = `void authenticateUser()`
- **get attributes** = `array getAttributes()`
- **close session** = `void destroyAuthentication()`

Decouple

and then, decouple a bit more

Decoupling is a good thing

- from application logic
by offering a common API
- from underlying FIAM technology
through the use of plugins

Success

support for several technologies

We can use several federation transports

- PAPI (our starting point)
- SimpleSAMLphp (our inspiration)
- *Shibboleth* (a helper, *but in progress*)

Success

Some applications have been enlightened

We have adapted

- Mantis bugtracker
- LimeSurvey
- CMS Made Simple
- Tiny Tiny RSS
- Squirrelmail
- home cooked applications

Success

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- more on the works

Improve

there is room for improvement

We would like to support

- more identity transports
- authorisation \implies groups
- more languages

Summary

- it works
- it's available: RSN at <http://forja.rediris.es/> search for IAMclass
- need to spread the word

Acknowledgments

credit where credit is due

We would like to thank

- PAPI (<http://papi.rediris.es/>) community
our main instigators
- SimpleSAMLphp (<http://simplesamlphp.org/>)
a big inspiration

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Thank you?

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Thank you?

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Questions?

answers not assured

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