A proposal

for federating current and legacy applications and services

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what are they useful for?



what are they useful for?

Authenticating users and asserting information about them







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Using Federated Identity and Access Management, we gain



what are they useful for?

Using Federated Identity and Access Management, we gain

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



we need them

Useful applications are a critical need,



we need them



we need them

Useful applications are a critical need, users want

Wikis



we need them

- Wikis
- Blogs



we need them

- Wikis
- Blogs
- Mailing lists



we need them

- Wikis
- Blogs
- Mailing lists
- Web Forums



we need them

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- Mailing lists
- Web Forums
- Chats



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- Web file sharing



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-



we hate them

Problem



we hate them



Applications have an attitude



we hate them

There's one way for doing things



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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- ...
- reliant on one FIAM technology

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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- home cooked applications
- more on the works



Improve

there is room for improvement

We would like to support

- more identity transports
- ullet authorisation \Longrightarrow 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

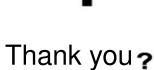
- PAPI (http://papi.rediris.es/) community our main instigators
- SimpleSAMLphp (http://simplesamlphp.org/) a big inspiration























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Thank you?



Questions?

answers not assured







