



FIM4R v 2.0

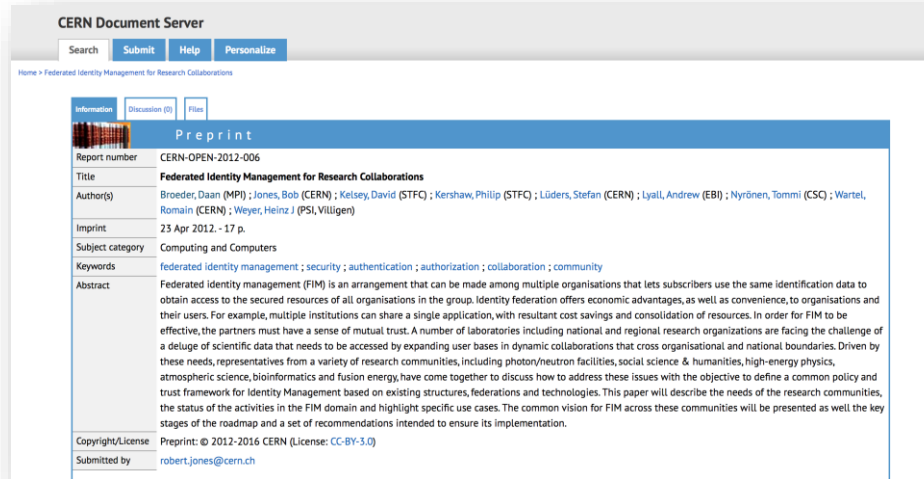


Background

- The first workshop was held at CERN in June 2011 (<https://indico.cern.ch/event/129364/>),
- the second at RAL in November 2011 (<https://indico.cern.ch/event/157486/>),
- the third at ISGC in February 2012 (<https://indico.cern.ch/event/177418/>),
- the fourth at MPI Psycholinguistics Nijmegen in June <https://indico.cern.ch/event/358127/>

Background

Requirements documented published in 2012
and now due an update!



The screenshot shows the CERN Document Server interface. At the top, there are navigation buttons for 'Search', 'Submit', 'Help', and 'Personalize'. Below this is a breadcrumb trail: 'Home > Federated Identity Management for Research Collaborations'. The main content area features a blue header with the word 'Preprint' and a small image of a bookshelf. The document details are as follows:

Report number	CERN-OPEN-2012-006
Title	Federated Identity Management for Research Collaborations
Author(s)	Broeder, Daan (MPI) ; Jones, Bob (CERN) ; Kelsey, David (STFC) ; Kershaw, Philip (STFC) ; Lüders, Stefan (CERN) ; Lyall, Andrew (EBI) ; Nyström, Tommi (CSG) ; Wartel, Romain (CERN) ; Weyer, Heinz J (PSI, Villigen)
Imprint	23 Apr 2012. - 17 p.
Subject category	Computing and Computers
Keywords	federated identity management ; security ; authentication ; authorization ; collaboration ; community
Abstract	Federated identity management (FIM) is an arrangement that can be made among multiple organisations that lets subscribers use the same identification data to obtain access to the secured resources of all organisations in the group. Identity federation offers economic advantages, as well as convenience, to organisations and their users. For example, multiple institutions can share a single application, with resultant cost savings and consolidation of resources. In order for FIM to be effective, the partners must have a sense of mutual trust. A number of laboratories including national and regional research organizations are facing the challenge of a deluge of scientific data that needs to be accessed by expanding user bases in dynamic collaborations that cross organisational and national boundaries. Driven by these needs, representatives from a variety of research communities, including photon/neutron facilities, social science & humanities, high-energy physics, atmospheric science, bioinformatics and fusion energy, have come together to discuss how to address these issues with the objective to define a common policy and trust framework for Identity Management based on existing structures, federations and technologies. This paper will describe the needs of the research communities, the status of the activities in the FIM domain and highlight specific use cases. The common vision for FIM across these communities will be presented as well the key stages of the roadmap and a set of recommendations intended to ensure its implementation.
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Submitted by	robert.jones@cern.ch

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Monday Feb. 20		
11:00 → 11:20	Introduction	Peter Gietz, Hannah Short
11:20 → 11:40	LIGO Update	Scott Koranda
11:40 → 12:00	ELIXIR Update	Michal Prochazka
12:00 → 12:20	WLCG Update	Hannah Short
12:20 → 12:40	DARIAH Update	Peter Gietz
12:40 → 13:00	INAF Update	Alessandro Costa
13:00 → 14:10	Lunch	


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14:30 → 14:50	Umbrella Update	Stefan Paetow
14:50 → 15:10	Security Incident Response	Tom Barton
15:10 → 15:30	Snctfi	Dave Kelsey
15:30 → 15:50	Coffee	

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15:50 → 16:10	Accounting Data Protection	Uros Stevanovic , Irina Mikhailava
16:10 → 16:30	Data Protection Code of Conduct	Mikael Linden
16:30 → 16:50	EGI Update	Peter Solagna
16:50 → 17:10	EUDAT Update	Willem Elbers
17:10 → 18:10	FIM4Rv2 Document Plans	
19:00 → 21:00	No-host Dinner	

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Tuesday, Feb 21		
09:00 → 09:20	AARC I and II	David Groep
09:20 → 09:40	AARC Blueprint Architecture	Christos Kanellopoulos
09:40 → 10:00	Publishers & IAM	Heather Flanagan
10:00 → 10:20	Kantara OTTO WG 4 OAUTH2	Colin Wallis
10:20 → 10:40	Next Steps	

2012 Requirements

- **User friendliness (high)**
- **Browser & non-browser federated access (high).**
- Bridging communities (medium).
- Multiple technologies with translators including dynamic issue of credentials (medium).
- **Implementations based on open standards**

2012 Requirements: how have we done?

- **User friendliness (high) - *Good but varies wildly, citizen scientists partially addressed***
- **Browser & non-browser federated access (high). – *Mostly requires web intervention***
- **Bridging communities (medium). – *eduGAIN addresses R&E but little interaction with commercial/social***
- **Multiple technologies with translators**

2012 Recommendations

- Recommendations to the research communities
 - Conduct Risk Analysis
 - Run Pilot Studies coordinated by experts
- Recommendations to the technology providers
 - Separation of Authorization and Authentication
 - Credentials revocation
 - Attribute delegation to the research community

2012 Recommendations: how have we done?

- Recommendations to the research communities
 - Conduct Risk Analysis – SCI
 - Run Pilot Studies coordinated by experts - AARC
- Recommendations to the technology providers
 - Separation of Authorization and Authentication – as per attribute delegation
 - Credentials revocation

Recommendations 2017

- Address command line and non-web use cases
- Integrate FIM with existing Community Membership Management Tools
- Build operational security
- Support GDPR adequacy certification for intergovernmental organisations
- Commercial IaaS interaction
- Make FIM a production service and a corner

So what do we want to do?

- Basically we have two options:
 - Create a new version of the document
 - Less work?
 - Are all original authors available?
 - Write a new document, referencing the old one
 - We could write a summary of what had happened

Next Steps

- Run a 10th FIM4R Workshop to start (yes we are in that workshop now)
- When else to meet?
 - Feedback @ RDA Session in April, Barcelona
 - Where else?
- Who? Representatives of Research Communities and Infrastructures
- Timeline?