



Minutes of Shibboleth Consortium Board Meeting #103 14th September 2022 – Videoconference

Attendees

Name	Organisation	Country
Scott Cantor (SC)	Developer Representative	United States
Kevin Morooney (KM)	Internet2	United States
Emily Brown (EB) Secretary	Jisc	United Kingdom
Steve Zoppi (SZ)	Internet2	United States
Wolfgang Pempe (WP)	DFN – Member Representative	Germany
Joe Steele (JS)	Jisc	United Kingdom
Manne Miettinen (MM)	NORDUnet	Finland

Apologies

Alex Stuart (AS)	Jisc	United Kingdom
Davide Vaggetti (DV)	GARR – Member Representative	Italy

Minutes of the previous meeting on 10th August were approved.

1. Actions

Ref	Description	Owner	Complete by	Status
99.1	Developer Contracts	EB	May 2022	Contracts renewed for 22/23.
102.1	Joe and Emily to look to better present financial data	JS / EB	October 2022	Ongoing.
102.2	Review Development Offer forwarded by Scott	Board	September 2022	Board agreed / happy for this to go ahead. Scott will contact the client to begin discussions.
102.3	Finalise first question list for survey and send link to be sent out	JS	September 2022	Joe to following up on this with BH with an aim to get this out before the end of 2022.
102.4	Renew Open ID subscription	EB	September 2022	Confirmed & Paid – 23/08/2022

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2. Financial and membership updates

Emily noted payments are still outstanding from 2021 from: Belent, University of Maine System, Rectors and Visitors, The Research Foundation for SUNY, Indiana University of Pennsylvania.

The following have paid, but they are under investigation: Gjaldstovan, MIT & Brown University.

Debtors for 2022 include: MIT, Cincinnati Children's Hospital Medical Center, University of Illinois at Urbana-Champaign, University of Wisconsin-Madison & DFN.

Renewal requests are out for: University of Montana, Aktia Bank PLC, ACONet, HEANet, University of Oxford, LIGO Scientific Collaboration, DAASI International & Deakin University.

Renewal requests have been confirmed by: Switch, Northwestern University, Temple University, MIT & Cincinnati Children's Hospital medical Centre. Texas State University, Stockholm School of Economics, University of North Carolina at Charlotte, The University of Texas at Austin, RNP, CESENT, Gakuin, CINECA, Los Rios Community College District, Brown University, Pacific Lutherean University, James Madison University, Oakland University, University of Illinois at Urbana-Champaign, University of Michigan, University of Wisconsin-Madison, Internet2, DFN, Marist College, University of Washington, Cornell University, Canarie, University of Maryland & Ohio State University.

Emily reported that we have onboarded Springfield College. St. Edward's University have stopped replying. We also have promising interest from Virginia Tech and Riga Technical University who are representing Latvian universities consortium. This consortium unites 4 largest Latvian universities and is intended to provide shared services for founding members.

3. Development update

<https://shibboleth.atlassian.net/wiki/spaces/DEV/blog/2022/09/13/3065544712/September+2022+Update>

Work has continued over the last month on the "big refactoring" of the Java code base targeted at V5 and in support of the next-gen SP work. The current phase of work consists of turning the monolithic (and poorly named) java-support and spring-extensions projects into a new java-shib-shared multi-module project containing a number of new (often small) modules. In addition to better file naming and code organization, this work is intended to eliminate two Maven anti-patterns: the use of optional dependencies and the use of test-jar dependencies. New -testing modules across the various projects will be used to expose APIs used for unit tests, eliminating cross-use of test classes between modules and projects.

We are gradually beginning to introduce some changes to package names, primarily with classes that either aren't likely used directly by deployers, or primarily or exclusively used in Spring declarations. For the latter, we have a way of detecting and automatically rewriting those declarations (with warnings) to maintain configuration compatibility while still allowing code to be moved between modules more freely, so we're not as worried about breaking anything while we move things around.

Most of this work should be done this month, after which the SP work will get going again in parallel with the IdP work streams.

Work continues on the review and redesign of the OpenID/OAuth signature and encryption classes and the RP proxy plugin should hopefully be wrapping up relatively soon. Documentation for that has been started under <https://shibboleth.atlassian.net/wiki/spaces/IDPPLUGINS/pages/3013804089>.

A new release of the OP plugin will be forthcoming this fall or winter that hopefully will address the remaining limitations around pure OAuth usage, and probably will add support for <https://www.rfc-editor.org/rfc/rfc9126>. It seems to be an intention of this new spec to facilitate decoupling RP URLs from OP configuration, which fits nicely with the direction of relaxing registration requirements for clients to add deployment flexibility. If both clients and resource servers can be used without registration (apart from having a mechanism to authenticate them via service accounts of some sort), many campus deployment scenarios become potentially very lightweight for both the OP and the endpoints.

In addition, collaborations with member organizations in Europe are underway extending the OP feature set with some other in-demand features, and we will obviously be able to incorporate that work into future releases.

4. Discussion of Development Roadmap and sustainability of Development team

Roadmap:

We're actively working on the following, which will likely take us through the rest of this year:

- Work on an OIDC proxying support plugin continues and hopefully will wrap up this summer.
- A replacement plugin that implements support for database storage without Hibernate is under development so that we can remove Hibernate from V5 entirely. Its lack of reliability and the lack of provenance of its software artifacts make this a high priority. The new plugin should be a drop-in replacement.
- Another significant feature update for the OP plugin is under development on an aggressive timeline to meet some member requirements. The scope is not fully defined, but is under discussion and definitely includes expansion of JWT support and some revocation enhancements. Logout is under discussion but is not a committed work item, mainly because much of that work (and what we've already done) will probably be moot with the changes coming to browsers soon.
- A parallel work stream is underway to port and test the code base on Java 17 and Spring 6 with the Jakarta EE changes, and address the likely end of the road for Spring Web Flow as a third-party project. We have POC code running successfully on Spring milestones now. We are actively looking at [code reorganization](#) for this release but we will be focused on reducing impact to deployers as much as possible.
- Finally, work has started on the [SP redesign](#), though if the new release is the top of Mount Everest, we've basically started researching tickets to Nepal. The work should take further

shape over the next few months and allow more of the work to be devolved to the team in certain areas.

5. AOB

The Chair for the next six months is NORDUnet: July 2022 - December 2022

6. Next Meetings:

Wednesday 12th October

Wednesday 9th November