Shibboleth Project

Ian Young, Shibboleth Developer

Ann Harding, Consortium Board

The Developers

Scott Cantor
- Project infrastructure, board liaison, Service Provider, lead on IdP and IdP's clustering, authentication, SAML support

Daniel Fisher
- LDAP library author, and LDAP support consultant

Brent Putman
- OpenSAML in Java, security design and code

Rod Widdowson
- SP, software installation on IdP and SP, IdP's attribute capabilities, embedded discovery service

Ian Young
- Metadata Aggregator

Tom Zeller
- Project infrastructure, testing, IdP consent support

Marvin Addison (committer, not contracted)
- CAS implementation and maintenance

Project Plan for 2017–2018

- Assumes relatively flat funding

- Avoids larger, multi-year project commitments

- Avoids additional maintenance debt

Identity Provider

- V3.4 in 2017

- Final V3 release to prepare for V4 changes:

- Identify, warn on deprecated features scheduled for removal

- Redesigned Dependency syntax for attribute resolution

  - \<InputAttributeDefinition>, \<InputDataConnector>

  - Formalizes distinction between single- and multiple-input plugins

- TIER-sponsored work on metadata-driven configuration

  - https://wiki.shibboleth.net/confluence/x/VQC_AQ

- Evaluating community-built plugins to aid proxying

Identity Provider cont.

- V4.0 in 2018, perhaps 2019

- Spring 5, Java 8+ (no Java 7)

- Elimination of various V2 holdovers and some bad design decisions

- Likely installation/deployment improvements

- Short window for V3 support, perhaps a year

Service Provider

- V3.0 in 2017, perhaps 2018
- Technical debt
  - OpenSSL 1.1 compatibility (major transition on many Linux distros)
  - Updated Windows compiler
  - XML parser vulnerabilities on RH7 platform
  - Separate and clean up documentation

Service Provider cont.

- Unlikely to involve redesign, big configuration changes, or other improvements one might associate with a major release

- Substantive ideas:
  - Rebase IIS support on IIS7 with more native functionality and better security guarantees
  - New session cache options borrowed from IdP to improve clustering

- Very short window for V2 support, likely minimal depending on upgrade implications

Other Activities

- Finalizing V1.0 Metadata Aggregator (used by multiple large federations for their metadata processing today)

- Better alignment and support for third-party installation and packaging projects

- As much consultation, design assistance, and possibly library development as we can spare on third-party OIDC/OAuth projects (see slide 1)

Shibboleth Consortium – 2 years in 2 minutes

- TNC 2015 – Financial state strong, due to reserves built up from original Principal Member fee of €120K
  - Fees were adjusted such that any member could become a Principal by paying a "top up" fee. Aim was to diversify the Board; only SWITCH re-joined at this level.

- Summer 2016 – evident that a deficit would be incurred without action.
  - Expenditure reduced by a 20% reduction in Developer hours – means less time for new development, a lot of time is focused on maintenance.

- January 2017 – Fees increased by 25% to avoid a deficit by end 2017 (well received by Members – thank you!).

- February 2017 – TIIME event, start of increased outreach to the community on the status of the Consortium.

- March 2017 – Webinars on the status of the Consortium in Europe and US time-zones.

- April 2017 – Open meeting at Global Summit.

- May 2017 – IAM Online session aimed at campuses, well- received.

It's not all doom and gloom!

- Increased outreach has seen new memberships in the form of CINECA, Oakland University and Southern Methodist University and a strong pipeline including REANNZ and two further US Universities.

- Consortium now has 25 Members, with the aim of reaching 30 by the end of 2017.

Questions?