

Shibboleth Consortium

Update

Mar 29, 2017



Background

- Shibboleth evolved out of Internet2 Middleware Activity in 2000, with first release in 2003.
- Significant funding from Internet2 (USA) and latterly JISC (UK) resulted in wide adoption by research and education communities enterprises around the world.
- Used by 26 national federations (maybe more?):
UKAMF (UK), **InCommon** (US), **SWITCH** (Switzerland), **AAF** (Australia), **AAI@EduHR** (Croatia), **ACOnet** (Austria), **Belnet** (Belgium), **CAF** (Canada), **CAFe** (Brazil), **CARSI** (China), **CESNET** (Czech Republic), **COFRe** (Chile), **DFN-AAI** (Germany), **Edugate** (Ireland), **eduID.hu** (Hungary), **GakuNin** (Japan), **GRNET** (Greece), **Haka** (Finland), **IDEM** (Italy), **LAI FE** (Latvia), **Tuakiri** (New Zealand), **RCTSaai** (Portugal), **RENATER** (France), **SIArnesAAI** (Slovenia), **SWAMID** (Sweden), **TAAT** (Estonia) and **ULAKAAI** (Turkey).



The Consortium

- Comprised of a Board, Members, Manager and Developers
- The body which handles financial and contractual management
- Provides strategic direction to the Shibboleth Project
- Not a legal entity in itself
- Requires an Operator (Jisc) and has a Manager (Justin Knight)

Key risk factors

- Current form is non-obligatory Membership payments and contracts with Developers
- The Operator isn't liable if the Consortium's finances go into deficit
- If the finances go under, the contracts do too



Consortium Board

- Principal Members' Representatives:
 - Internet2 (US): Kevin Morooney and Steve Zoppi
 - Jisc (UK): Josh Howlett
 - SWITCH (Switzerland): Christoph Witzig
- Members' Representatives:
 - Lalla Mantovani, GARR (Italy)
 - Wolfgang Pempe, DFN (Germany)
- Developers' Representative:
 - Scott Cantor (Ohio State, US)



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



Consortium Membership

- **Principal Members**

Internet2 (US), SWITCH (Switzerland) & Jisc (UK)

- **Federation Members**

ACOnet (Austria), NII/GakuNin (Japan), CSC/Haka (Finland), RENATER (France), NORDUnet (Nordic region), Belnet (Belgium), CANARIE (Canada), DFN (Germany), The European Space Agency, GARR (Italy), CESNET (Czech Republic), HEANet (Ireland) & RNP (Brazil)

- **Academic / Non-Profit Members**

Carnegie Mellon University (US), LIGO Scientific Collaboration (US), The Space Telescope Science Institute & Lawrence Berkeley National Laboratory

- **Commercial Members and Donors**

Digital Identity Labs, Clareity Security & InfoStreet



Financials

Income: Membership payments and donations. Equate roughly to £370K / €430K / \$460K per annum.

Expenditure: Development contracts; Consortium Manager. Equate to £400K / €465K / \$495K per annum.

Currently using reserves built up in first two years of operation when Principal fee was significantly higher.

Developer hours were cut by 20% in August 2016 so as to avoid a deficit in 2016.

January 2017 has seen an increase in fees of 25% to avoid a 2017 deficit.

The current level of income and expenditure will keep the Consortium afloat until ~Q1 2018 before the reserves are exhausted.



Membership Fees

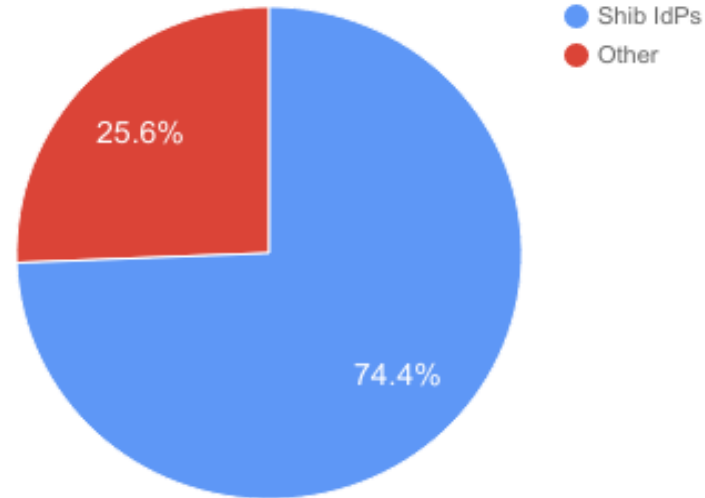
Category	Small	Medium	Large
NREN/Federation Member	€ 12,500	€ 25,000	€ 50,000
Academic/Non-Profit Member	€ 2,500	€ 5,000	€ 7,500
Commercial Member	€ 5,000	€ 10,000	€ 20,000

To become a Principal Member and get a seat on the Board, an additional EUR 20K will qualify any level



Shibboleth Usage in edugain

IdP deployments in edugain



2,325 IdPs (as of 17 Feb 2017)



Project Areas

- Consortium
- Project and Program
- Core Technology



Project Area - Consortium

- Consortium Management (20%)
- Consortium Marketing/Business Development (0%)



Project Areas - Project and Program

- Project Management (5%)
- Infrastructure Management (10%)
- Community Technical Support (10%)
- Standards Development (0%)



Project Areas - Core Technology

- Command Line / Non-Traditional Integration (0%)
- Discovery / User Interface / GUI Design (0%)
- Documentation / Training (0%)
- Identity Provider (Authentication) (15%)
- Identity Provider (CAS) (0%)
- Identity Provider (Consent / Privacy Mgmt) (5%)
- Identity Provider (Core) (50%)
- Identity Provider (Integration) (25%)
- Identity Provider (OIDC / OAuth) (0%)
- Identity Provider (SAML) (60%)
- Metadata Aggregator / Federation Management (10%)
- Packaging / Installation (20%)
- Pair Programmer / Backup Engineering Support (0%)
- QA / Testing (20%)
- Service Provider (Java) (0%)
- Service Provider (Native) (15%)



Scenarios being considered

- Minimum sustainable
- Optimal sustenance and moderate growth



Next steps

- Refine this presentation/material
- Schedule additional community webinars
- CEO engagement strategy
- Face to face discussions at Internet2 Global Summit and GÉANT TNC



Questions?

