Introduction to Shibboleth

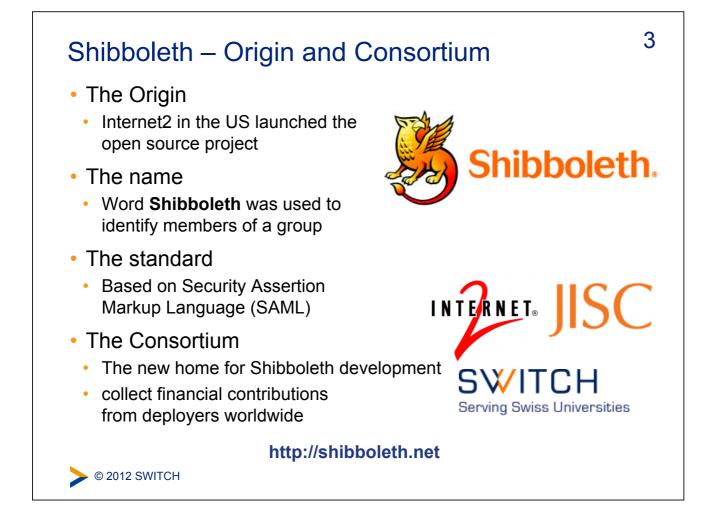


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Agenda

- What is Shibboleth?
- IdP/SP Communication
- Shibboleth 1 & 2
- Support Resources





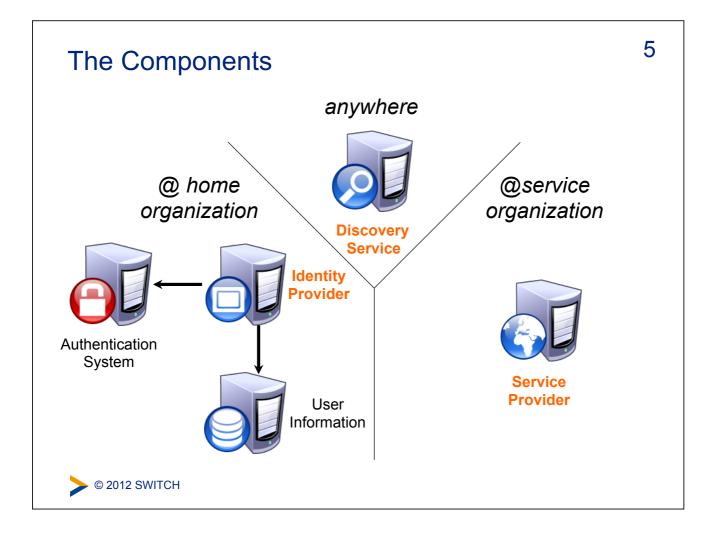
What is Shibboleth?

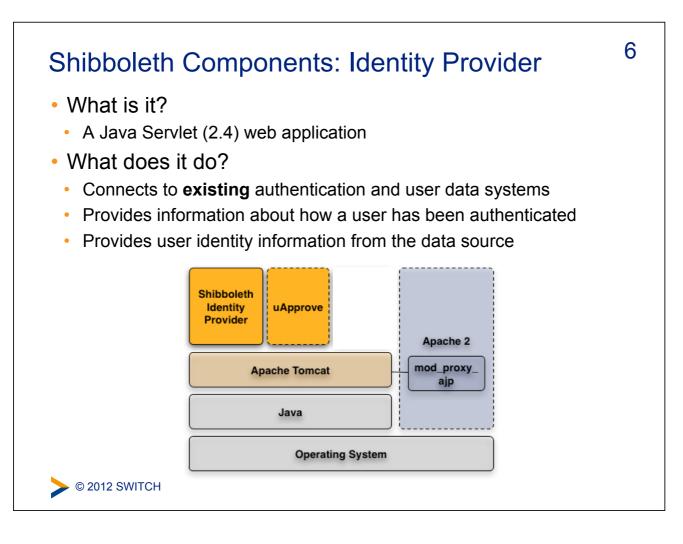
- Technically it's a project group, like Apache or Eclipse, whose core team maintains a set of software components
- Most people think of it as the set of software components
 - OpenSAML C++ and Java libraries
 - Shibboleth Identity Provider (IdP)
 - Shibboleth Service Provider (SP)
 - Shibboleth Discovery Service (DS)
 - Shibboleth Metadata Aggregator (MA)
- Taken together these components make up a federated identity management (FIM) platform.
- You might also think of Shibboleth as a multi-protocol platform that enforces a consistent set of policies.

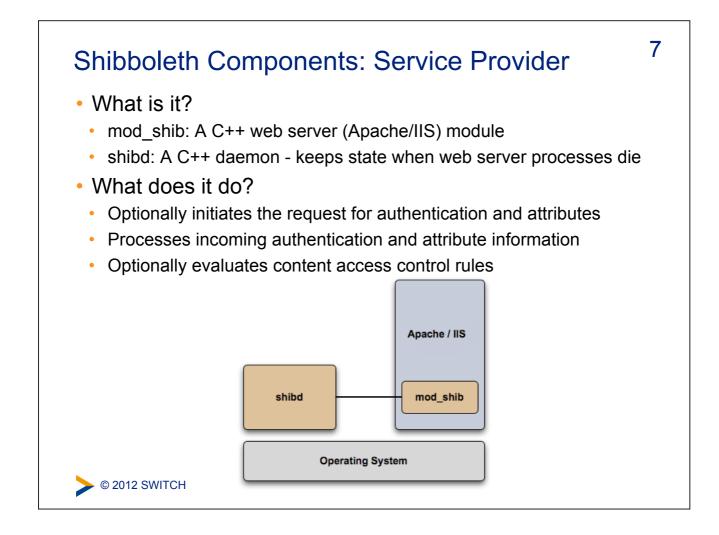
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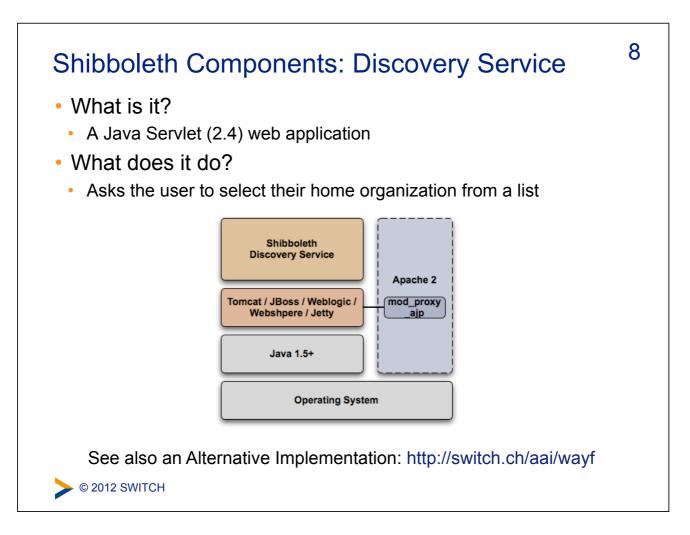
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Shibboleth.
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Terminology (1)

 SAML - Security Assertion Markup Language The standard describing the XML messages sent back and forth by the Shibboleth components (two versions: 1.1, 2.0)

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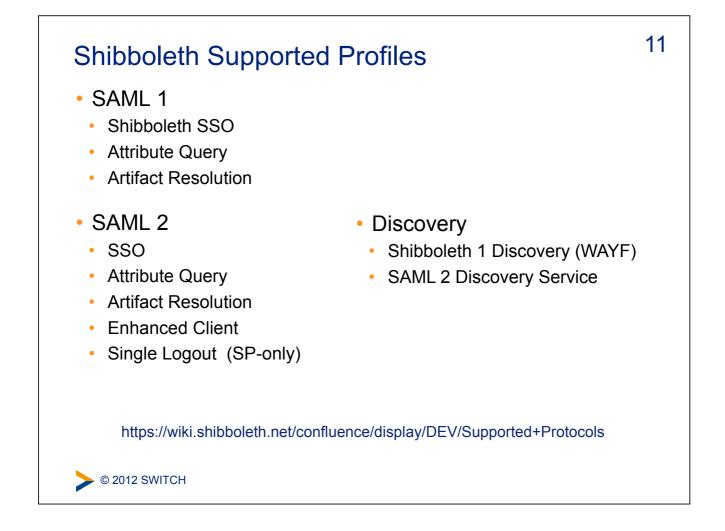
- Profile Standard describing how to use SAML to accomplish a specific task (e.g. SSO, attribute query)
- Binding Standard that describes how to take a profile message and send it over a specific transport (e.g. HTTP)
- Front-channel A binding that sends message through a user's browser via redirects or form posts
- Back-channel A binding where the entities connect directly to each other

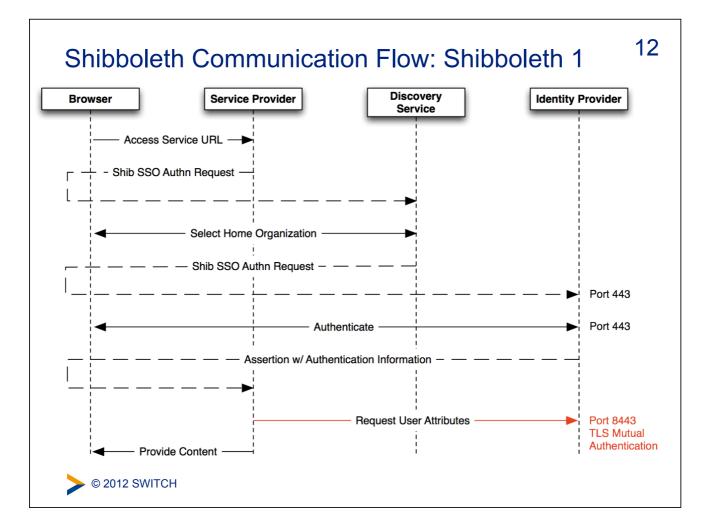
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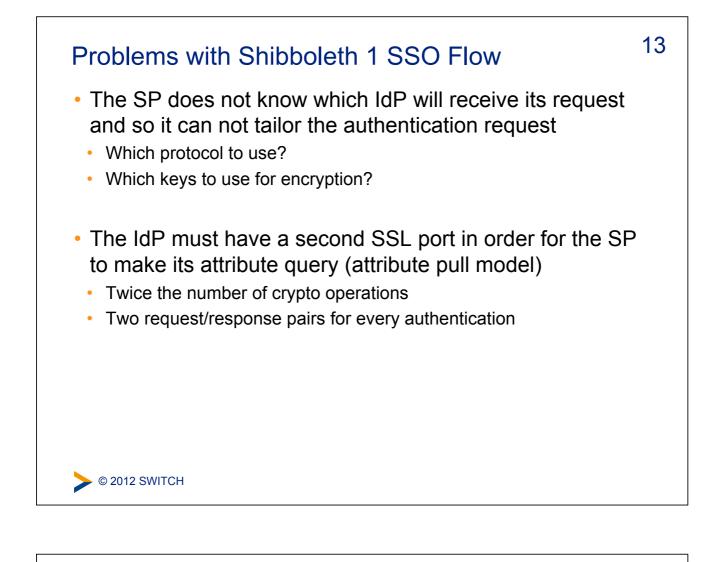
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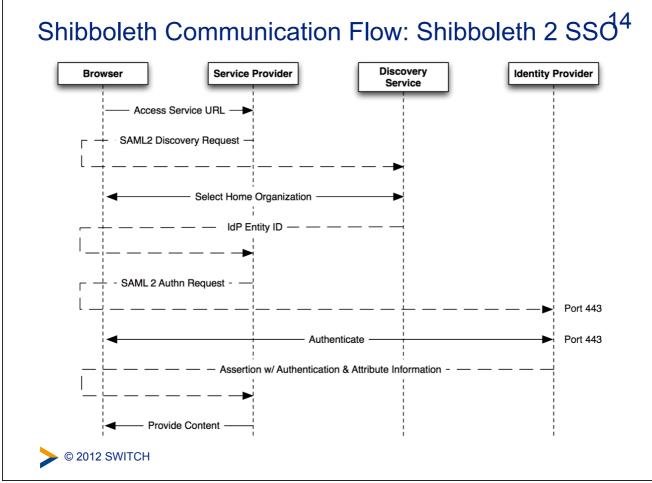
Terminology (2)

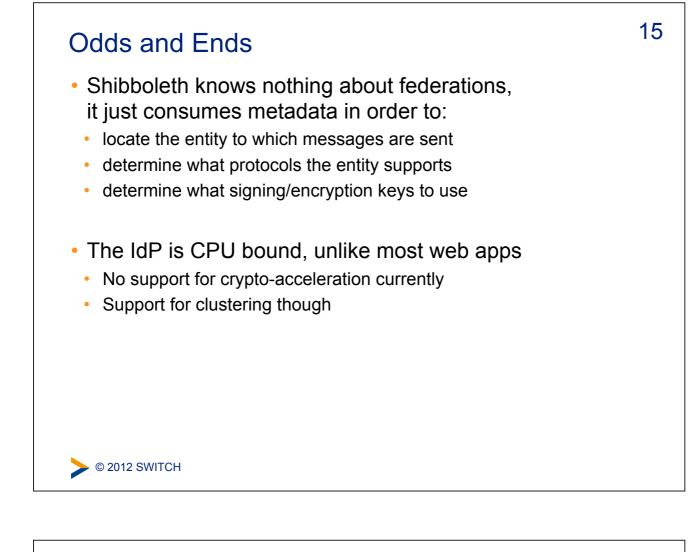
- entityID Unique identifier for an IdP or SP
- Assertion The unit of information in SAML
- NameID An identifier by which an IdP knows a user
- Attribute A named piece of information about a user











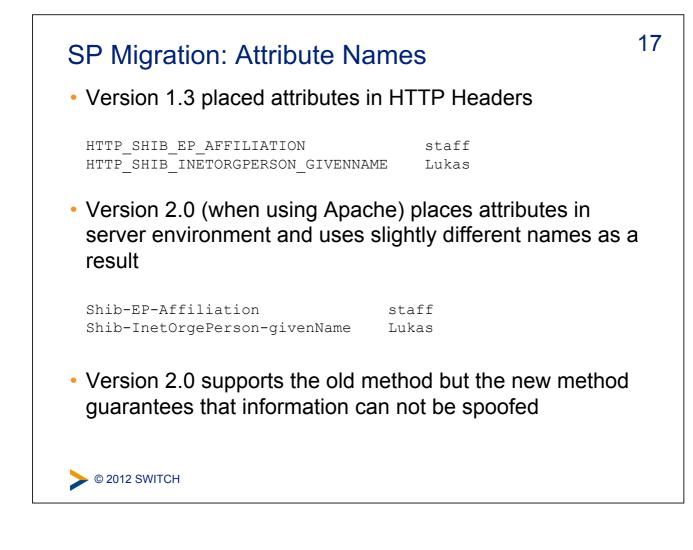
Shibboleth 1.3 to 2.X migration

Shibboleth 2 is backwards compatible with 1.3

• Obviously new SAML 2 features don't work with Shibboleth 1.3

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- Entity's should embed their certificates in their metadata
 - This is required in order to support SAML 2 encryption
- The Shibboleth team recommends URLs for entityIDs
 - IdP entityID: https://HOSTNAME/idp/shibboleth
 - SP entityID: https://HOSTNAME/shibboleth
 - These URLs can then be used to get the metadata for the entity



Support Resources	18
 First, check with your Federation http://switch.ch/aai/support/documents http://switch.ch/aai/support/help 	
 Shibboleth Wiki https://wiki.shibboleth.net/confluence/display/SHIB2 	
 Shibboleth User's Mailing List Archive http://marc.info/?I=shibboleth-users 	
 Shibboleth User's Mailing List http://shibboleth.net/community/lists.html 	
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