

Lanka Education and Research Network

Shibboleth

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)

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.

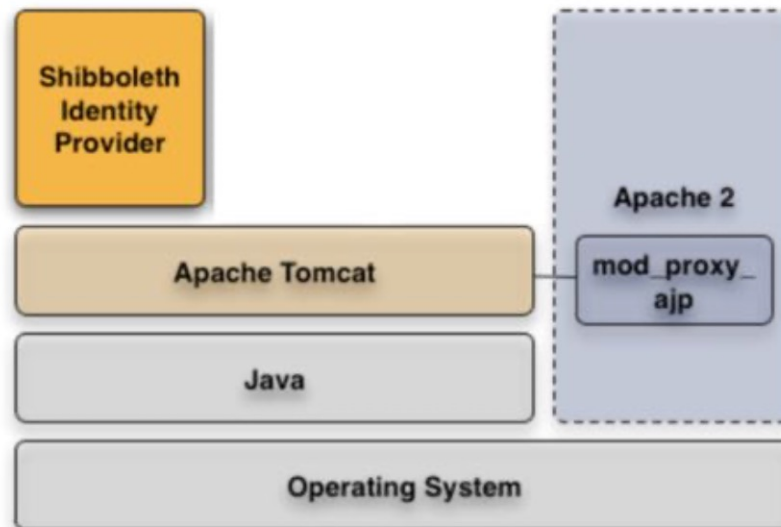
The Shibboleth software is widely used in the research and education environment

Shibboleth IDP

A Java Servlet web application

Connects to existing authentication and user data systems Provides information about how a user has been authenticated

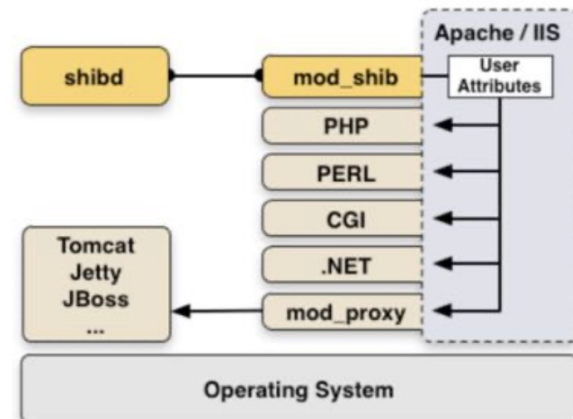
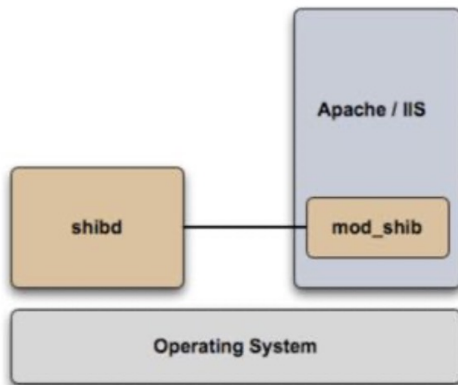
Provides user identity information from the data source



Shibboleth SP

Basically consists of,

- mod_shib: C++ web server (Apache/IIS) module
- shibd: C++ daemon - keeps state when web server processes die
Used typically to initiates the request for authentication and attributes
- Processes incoming authentication and attribute information
- Optionally evaluates content access control rules



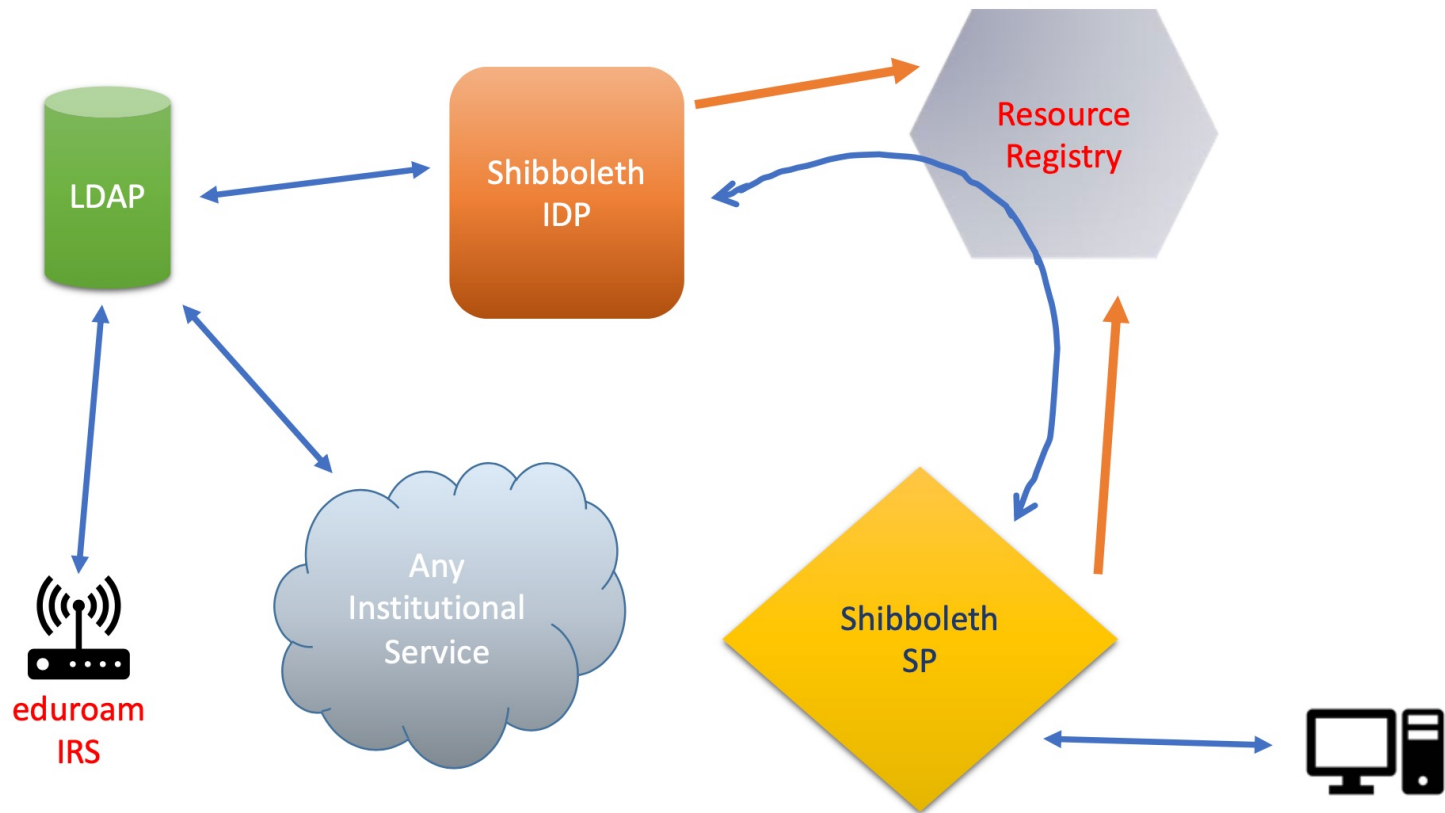
Resource Registry

The “Resource Registry”, a central registry in the federation, generates the metadata and makes all IdPs and SPs know each other

The Resource Registry knows all IdPs, SPs, supported protocols, service locations and signing/encryption keys

A web based tool managed by the federation operator

Proposed Federation dataflow @ LEARN



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Thank You