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Shibboleth Identity Provider at Fermilab

Olga Terlyga

Linux at Fermilab

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Shibboleth

Shibboleth – open source project that provides Single Sign-On capabilities.

<http://shibboleth.net/>

- Security Assertion Markup Language (SAML) standard
- A user authenticates with his or her organizational credentials
- Organization (or identity provider) passes the minimal identity information (attributes) necessary to the service provider to enable an authorization decision
- Organization controls the attributes released to each application
- Any SAML Service Provider can authenticate against Shibboleth IdP

Why Shibboleth at Fermilab?

We already using the **same password** for most applications, but we have to login to each one separately

Single Sign On - authenticate once (ideally) and you are good for the duration of the session.

Many web-based services can utilize Shibboleth: inCommon, WordPress, Drupal, Service Now, apache based, etc.

Shibboleth IdP can work together with our Microsoft ADFS federation (SharePoint, office365)

Shibboleth at Fermilab

Authentication group has set up a Shibboleth based Identity Provider using a commercial system from a company called [Gluu](#)

- They provide software appliance hosted on our servers (vms)
- Gluu monitors servers and provides customer support
- We have ability to change configuration of the IdP
- We can request customizations within reason

Currently connected to production IdP: inCommon federation, many in testing.

Shibboleth at Fermilab

- Authenticates users against Services domain
- Can release: first name, last name, username, email, Active Directory groups membership
- Custom attribute release configuration is possible
- Support for IdP and customizations is provided by Gluu
- Development environment available

How to Connect to Shibboleth at Fermilab

- Plugin/module installations vary by application – not supported by Authentication Services group
- Open request with Authentication group specifying attributes needed
- Exchange metadata information
- Resolve issues if any arise

<https://shibboleth.net/products/service-provider.html>

SUPPORTED WEBSERVER

- > Apache
- > FastCGI Authenticator
- > IIS

SUPPORTED OS

- > OpenSUSE 11+
- > OS X 10.6+
- > RedHat 5+
- > SLES 10+
- > Solaris 2.9+
- > Windows XP/2003/2008