

Shibboleth and Library Resources

InCommon Library/Shibboleth Project

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What is the Library/Shibboleth Project?

- Established 2007
- Five universities + Internet2
- Campus IT, Library IT, Librarians
- Adding Shibboleth to existing library services



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Current focus of Library/Shibboleth

- Access control and licensed electronic resources
- Identify user scenarios
- Document business practice and technology issues
- Test solutions

Why are we here?

- Shibboleth adds value to library resources
- There are issues, but they're solvable
- Successful deployment is possible

Electronic resources backgrounder

- Ten years of growth
- Prevalence of home computing
- Increase in distance education
- Convenience and user expectation
- Hundreds of vendors, thousands of resources
- Significant part of the library collection budget
- Access and use restrictions
- Substantial work to integrate this seamlessly

What's wrong?

- Remote access is problematic
- Too many passwords make chaos
- Maintaining IP's is time consuming and unreliable

How can we fix it?

- Remove need for user-side configuration
- Single sign on
- Manage IP's locally ... or not at all

What do we want?

- Integrated access to licensed library resources regardless of user location
- Consistent user experience for authentication
- Reduced maintenance overhead for library resources
- Reliable authentication for vendors

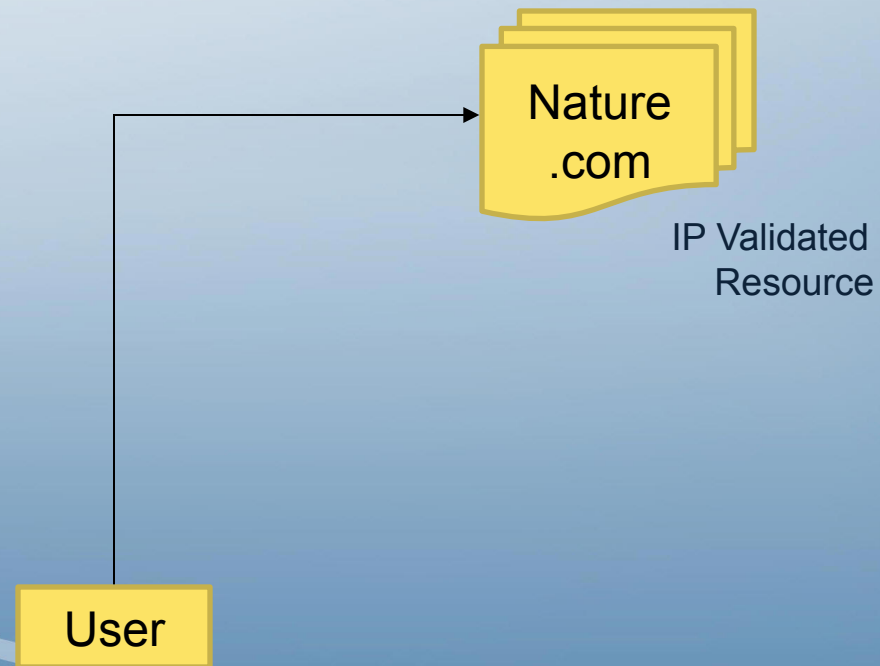
How do we get there?

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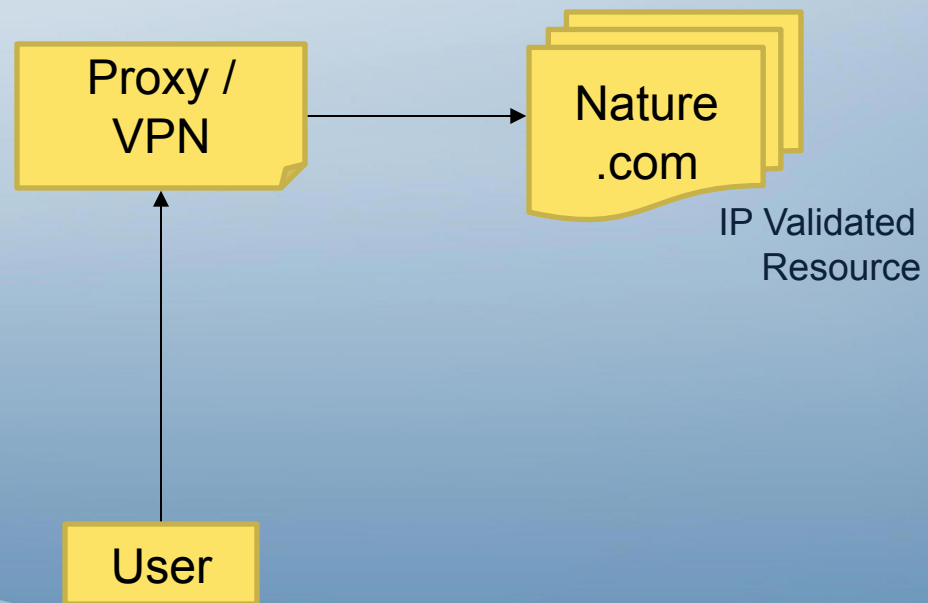
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Scenario 1 - IP validated resource, on campus

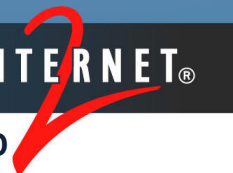


Scenario 2 - IP validated resource, off campus

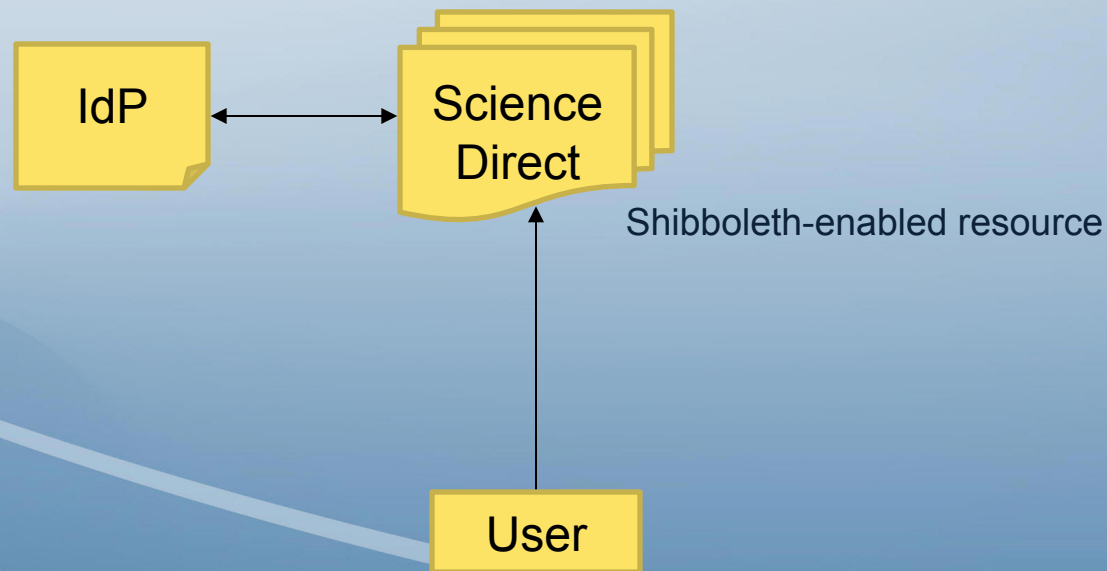


What is Shibboleth?

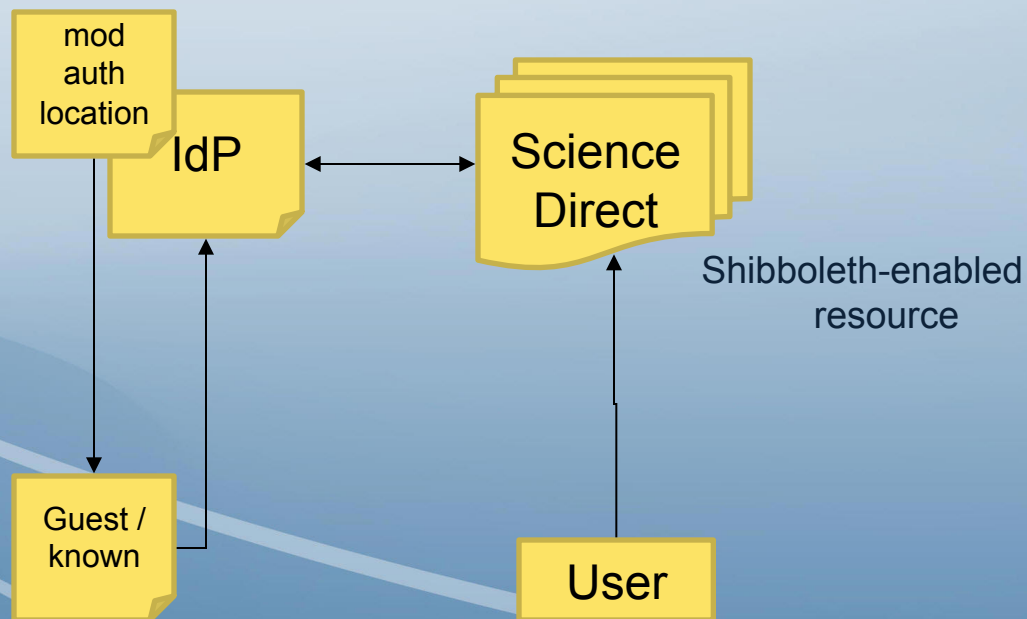
- Open source standards-based web single sign-on package
- Leverages local identity management system
- Enables access to campus and external applications
- Protects users' privacy
- Helps your service partners
- Plays well with others



Scenario 3 - Shib-enabled resource anywhere



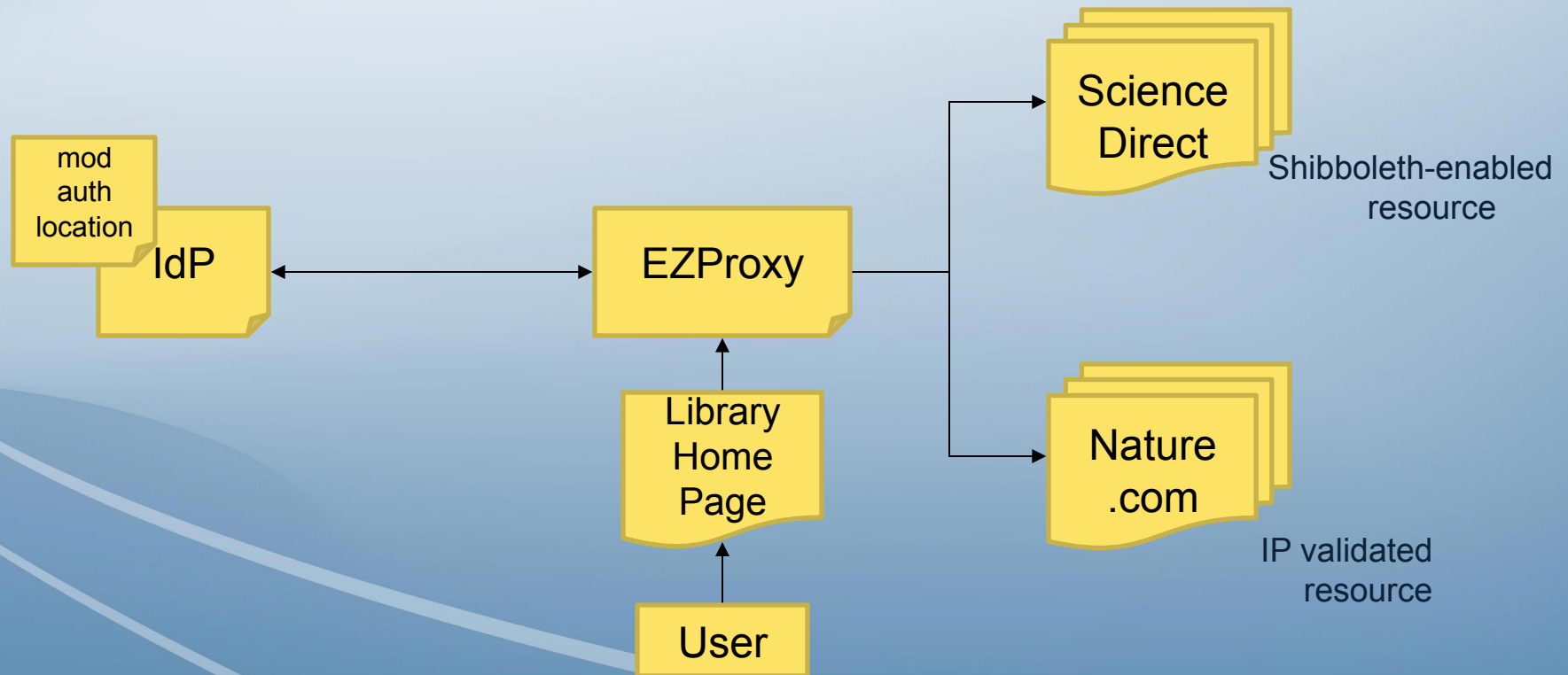
Scenario 4 - Shib-enabled resource, on campus



What is EZProxy?

- Proxy access for off-campus resources
- Inexpensive
- Library-focused
- Server side proxy
- Acts as virtual server/client
- Rewriting URL's
- SSO authentication

Scenario 5 - Single sign on proxy, off-campus



Options for access

	Local Config Needed	Proxy Maintenance	Vendor IP Maintenance	Separate Credentials
Web Proxy	Yes	Yes	Yes	Yes
VPN	Yes	No	Yes	Yes
Shibboleth	No	No	No	No
Shibboleth + EZProxy	No	Yes	No	No

Library concerns with Shibboleth

- Communication with campus IT
- Privacy
 - Privacy with individual vendors
 - Privacy across vendors
 - Session persistence
- Walk-in users
- Library patron database integration
- Are Shibboleth benefits worth the effort?

Benefits to using Shibboleth in libraries

- Easier off-campus access of resources
- Simplified user authentication experience
- Personalization of services without releasing identity
- Centralized authentication maintenance

Currently under investigation

- Eliminating need for vendor IP maintenance by routing all activity through proxy
- Using Shibboleth as central "foot traffic" log for measuring resource use
- Best practices for persistent URL's
- Role of federation in licensing and enforcement

Next steps – Library/Shibboleth Project

- Actively partner with other federations
- Coordinate with Shibboleth-enabled vendors to join InCommon
- Encourage adoption of Shibboleth by US institutions and libraries
- Conducting pilots to validate approaches
- Recommending best practices and solutions to common use cases
- Community information sharing

Shibboleth-enabled information providers

- American Chemical Society
- Atypon
- CSA
- EBSCO
- Elsevier Science Direct
- Exlibris
- EZProzy
- JSTOR
- Literary Encyclopedia
- OCLC WorldCAT
- OVID/SilverPlatter
- Project MUSE
- Proquest
- Safari (underway)
- SCRAN
- Serials Solutions
- Springer
- Thomson Gale
- Thomson ISI (underway)

What can you do?

- Implement Shibboleth locally
- Explore local issues and concerns with your library
- Enable SSO with local proxy
- Pilot existing SSO vendors
- Discuss interest in SSO to commercial vendors

More information

<https://spaces.internet2.edu/display/InCCollaborate/Home>

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