Shibboleth Federation

Enabling scholarly collaboration across the State of Texas

Six universities currently active in the federation:

TDL member schools preparing to join:

The Federation

Philip Mattingly
Systems & Technical Coordinator
phil@austin.utexas.edu

Scott Phillips
Research & Development Coordinator
scott@library.tamu.edu

Mark McFarland
TDL Co-Director
m.mcfarland@austin.utexas.edu

John Leggett
TDL Co-Director
leggett@library.tamu.edu

The mission of the Texas Digital Library (TDL) is to create a digital infrastructure for scholarly communication in the state of Texas. Encompassed in this goal is the facilitation of inter-university collaboration through an array of services; these include institutional repositories, peer-reviewed journaling, and other forms of scholarly communication. The Shibboleth authentication framework underlies all of these services and provides a mechanism for secure collaboration between the various universities in the state and beyond.
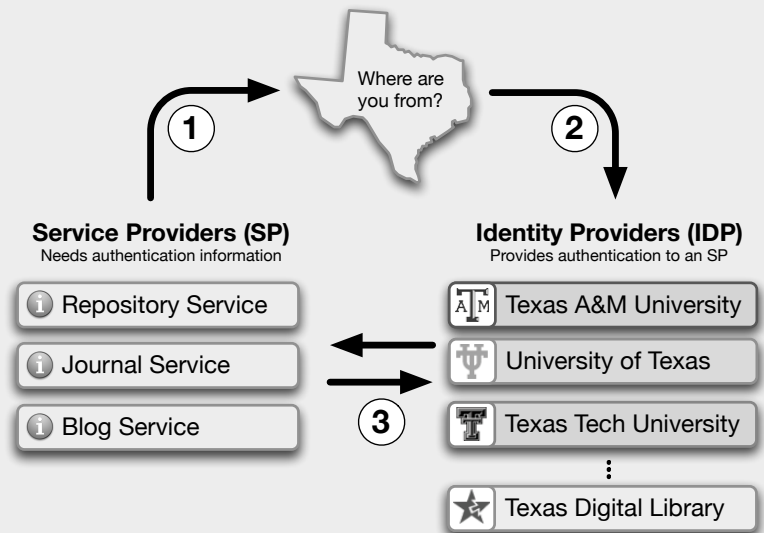
Since no such state-wide federation existed in Texas, TDL created the infrastructure to support a multi-institution Shibboleth federation. Researchers from different universities can now access common resources while authenticating with local identities. Presently, six schools spanning separate university systems are active in the federation, and more are currently in the process of joining the federation.

TEXAS
DIGITAL LIBRARY

CNI - Fall Task Force Meeting
Washington, DC
December 10-11, 2007
Shibboleth Federation

How does it Work?

Shibboleth is a set of network services that provides federated authentication and metadata exchange. The federation uses these services to provide a three stage processes for users attempting to access restricted library resources.

1. Request

First the user will request access to a resource provided by one of TDL's services. If authenticated access is required, the user will be automatically redirected to the "where are you from" (WAYF) service
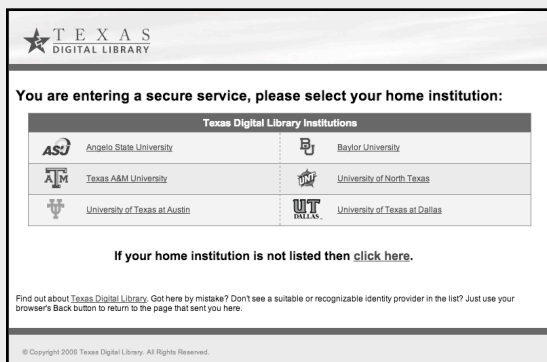
Where are you from?

1   **2**

Service Providers (SP)
Needs authentication information

- ⓘ Repository Service
- ⓘ Journal Service
- ⓘ Blog Service

3

Identity Providers (IDP)
Provides authentication to an SP

- Ａ Texas A&M University
- Ｔ University of Texas
- Ｔ Texas Tech University
- ⋮
- ★ Texas Digital Library

Shibboleth User Flow Diagram

2. Source

Once at the WAYF, the user selects their home institution from the list of participating institutions. They will then be directed to their institutions authentication website where they will enter their user name and password using their local identity.

3. Delivery

Finally, after the user has successfully authenticated with her home institution, she is returned to the service provider. They have now been authenticated using Shibboleth and are able to use the resource provided by TDL. When many researchers from multiple institutions are able to use Shibboleth to access the TDL services, they are able to collaborate on building and preserving their scholarly collections.

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You are entering a secure service, please select your home institution:

Texas Digital Library Institutions	
ASU Angelo State University	BU Baylor University
ＡＴＭ Texas A&M University	UNT University of North Texas
Ｔ University of Texas at Austin	UT DALLAS University of Texas at Dallas

If your home institution is not listed then click here.

Find out about Texas Digital Library. Got here by mistake? Don't see a suitable or recognizable identity provider in the list? Just use your browser's Back button to return to the page that sent you here.

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"Where Are You From" (WAYF) Service

For more information about the project, visit:

http://www.tdl.org/shibboleth/