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Single Sign-On (SSO) as part of the User Experience Journey



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Agenda

- Single Sign-On (SSO) Experience

SSO

Benefits

Architecture and Solution

BLUEcloud Central

Applications – Enterprise, MobileStaff, BCMobile

LOUIS SSO Project

Questions

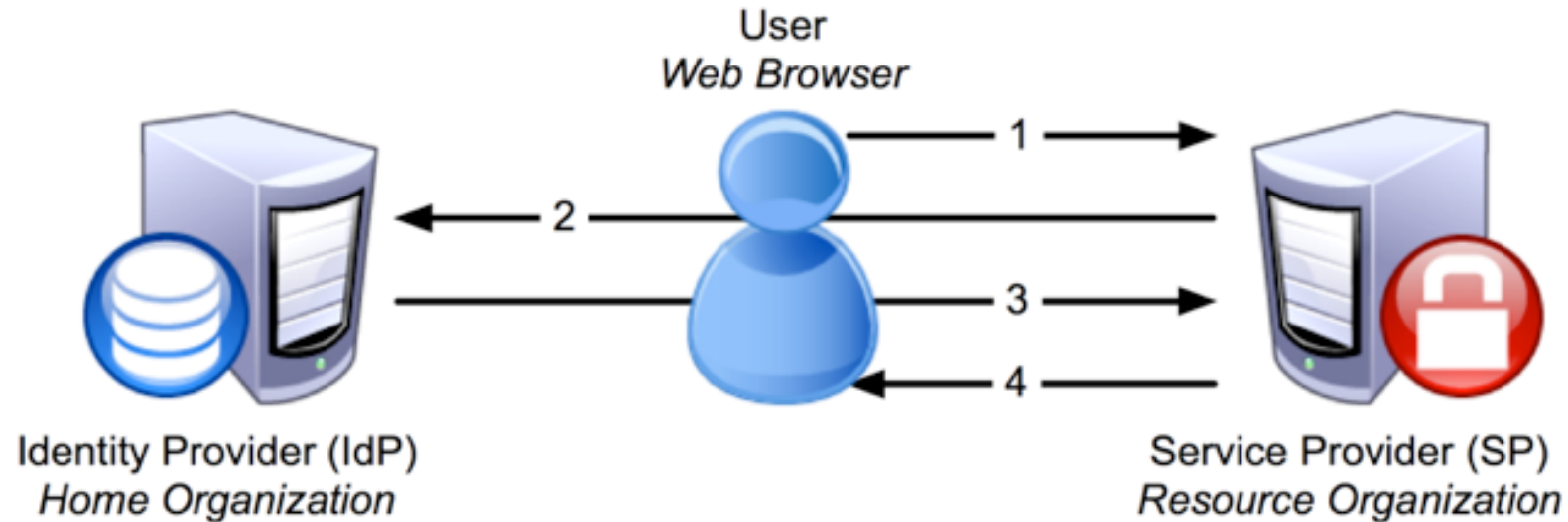
What is SSO



Definition

- Single Sign-On (SSO) – is an authentication process that allows a user to access multiple applications with a single set of login credentials

Single Sign-On Basic Flow



1. The SP detects the user attempting to access restricted content within the resource.
2. The SP generates an authentication request, then sends the request, and the user, to the user's IdP.
3. The IdP authenticates the user, then sends the authentication response, and the user, back to the SP.
4. The SP verifies the IdP's response and sends the request through to the resource which returns the originally requested content.

Benefits of SSO



Benefits

- Efficiency – increased productivity and access for users using multiple systems
- Increases security
 - Eliminates extra login credentials (feeds into phishing activities and identity theft)
 - No more recording of passwords offline
- Leverage 3rd-party systems
- Increases access by just clicking on a link without having to log in again
- Removal of business barriers
- Accelerates data sharing with customers, business partners and vendors
- Code is reusable

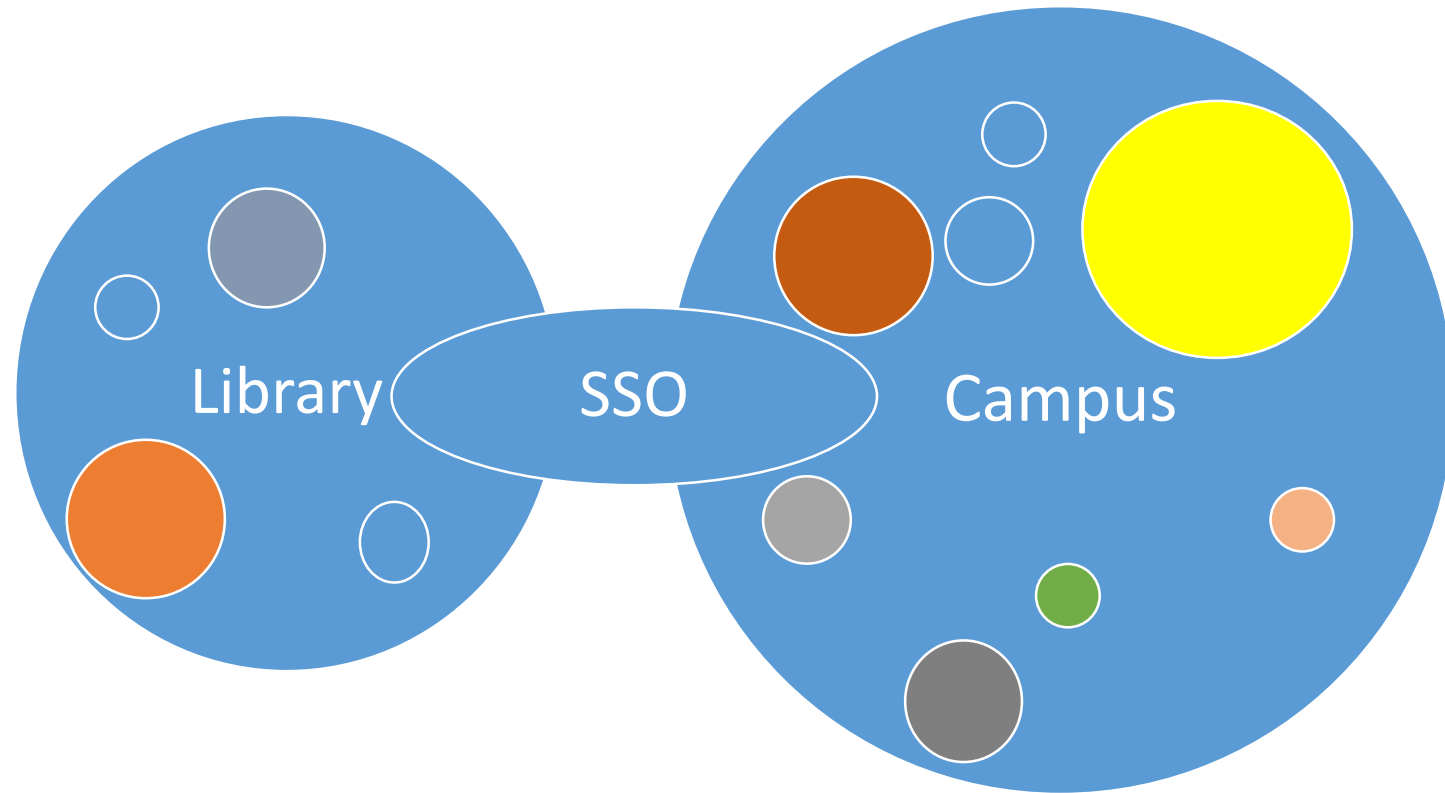
Benefits of SSO



BLUE: Best Library User Experience

- Who wants multiple login credentials?
- User feels transactions are secure.
- Easy “one-click” access to library resources.
- Make it convenient and simple for the user.
- Support for the “Sharing Economy.”
- Easier to code.
- Library utilizes its organization’s existing authN systems.

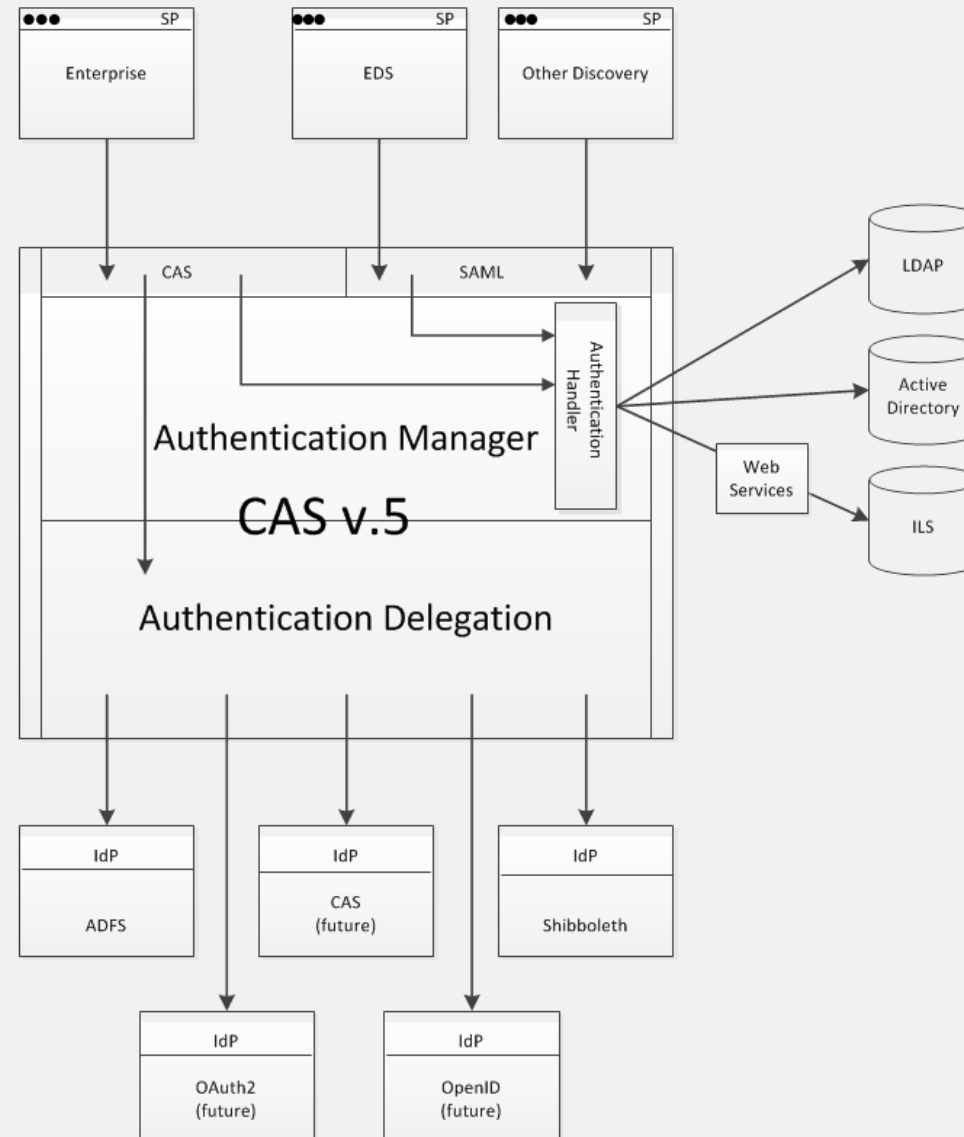
SSO System Expansion



Architecture

BLUEcloud Authentication Service

- BLUEcloud Environment
- Central Authentication System (patrons, vendors & staff)
- Accepts CAS or SAML Service Provider requests
- CAS delegation to various SSO IdP's
- User storage includes LDAP, AD or ILS databases
- Single-tenant (one instance per customer)
- May share Tomcat server with different endpoints per customer.
- CAS v.5 serves as the SSO manager for all sessions
- When Enterprise connects to CAS, it could use the authN handler instead of the regular CAS ws call or it can also use the AuthN Delegation but not both.
- SPs can either talk CAS or SAML but the instance will be built to just use the authN Handler to be able to return the proper response to the SP. For SAML, if the AuthN handler is used, then the response would be SAML assertions. SAML requests can't delegate to other IdP's and expect to return a SAML assertion back to the SP. That feature is not available in CAS 5 currently.



SirsiDynix SSO Solution

Hosted CAS

CAS IdP (CAS or SAML requests)

Use with LDAP or Active Directory as the user store

Use with ILS (Symphony or Horizon) as the user store

CAS as an Identity Provider (IdP)



SirsiDynix SSO Solution

Hosted CAS

CAS AuthN Delegation

CAS to CAS using CAS protocol

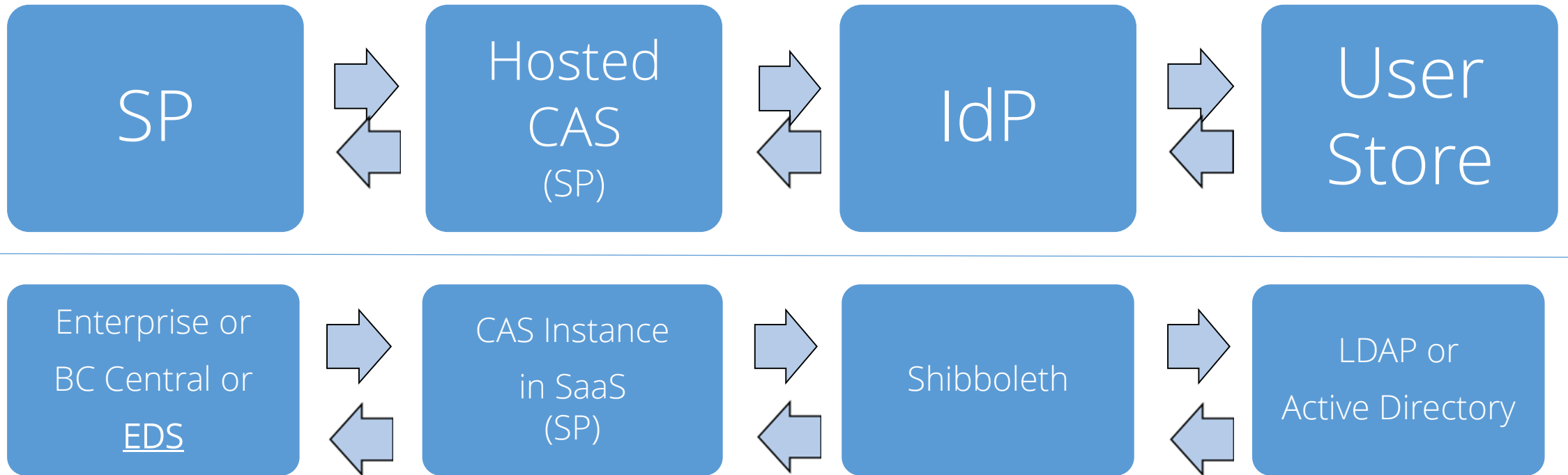
CAS to Shibboleth using SAML protocol

CAS to ADFS using WsFed or SAML protocol

CAS to Azure AD using OIDC or SAML protocol

CAS to Facebook, Google using the OIDC or SAML protocol

CAS as a Service Provider -- Delegation





Select Language

Manage Security → Manage Authentication Servers → Add CAS Authentication Server

Log Out (ryan)

Refresh Cache

Manage General Configuration

Manage Security

Manage Profiles

Manage Displays

Manage Themes

Manage Search Suggestions

Manage Rooms

Manage Assets

Library Groups

Manage Search Limits

Manage Library Favorites

Manage Search Configuration

Manage Federated Configuration

Quicksearch Buttons

Manage Taxonomies

Manage Scheduled Tasks

Information

Add CAS Authentication Server

[? Help](#)

*Entry Code:

*Name:

*CAS Server Url:

Web Services:

Symphony Administrator Login

Administrative Symphony Account ID:

Administrative Symphony Account Password:

Confirm Administrative Symphony Account Password:

Cancel

OK

Specified Ranges:

Remove

Always redirect these addresses to this profile

Security Options

Redirect to Home Page (and logout) after: Minutes

Authentication Required

Username Field Label: English (United States) ▼

Show Password Field

Password Field Label: English (United States) ▼

+ Add Authentication Server

SDCAS01-LEHI ▼

Other

Google Analytics Account Number:

Default to ADA mode "on"

ADA mode link is an icon

Email "from" address:

Symphony Web Services Admin

Symphony Web Services

- Status
- ILS Configuration
- Client IDs
- Single Sign On Setup
- LDAP Setup
- Patron Primary Address Configuration
- Resource Security Configuration
- Lockout Settings
- Change Password
- Logs
- Log Out

Create Single Sign On URL

Property	URL	CAS Service ID
CAS Server	<input type="text" value="https://beta.sales.sirsiDynix.net/ss"/>	<input type="text" value="https://vendor1-sym.sirsiDynix.net"/>

Welcome!

Get access to your library account by signing into your institution's single sign on application. Select your institution below.



LOUISIANA STATE UNIVERSITY

Login with MyLSU



Login with MyLSU Law



Login with MyLSUS



Login with Loyola Single Sign On (SSO)



Login with MySUlogin



Login with QuickLaunch SSO



THE UNIVERSITY of NEW ORLEANS

Login with UNO Sign In

LOUIS: THE LOUISIANA LIBRARY NETWORK

LOUIS: The Louisiana Library Network is a consortium of public and private college and university libraries. LOUIS is widely recognized as a model for cost-effective collaboration in higher education. We work to ensure equitable access to resources, services, and technologies by maximizing purchasing power and sharing expertise. Learn more at www.louislibraries.org.



Springfield Consortium (Beta)

Springfield Consortium (Beta)

Phone Number:
800-288-8020

Email Address:
marketing@sirsidynix.com

Library URL:
www.sirsidynix.com

Locale:
English (United States)

Currency:
United States Dollar

Web Services URL:
Demo Beta 215 [Manage URLs](#)

IdP Connections

Search List

IdP ID	SSO Staff URL
presales-ssos-cas	https://beta.sales.sirsidynix.net/ssos-presales-cas
ssos-casidp	https://sso.dev.sirsidynix.net/ssos-casidp

[Add IdP Connection](#)

Address Information

Country:
UNITED STATES

Address:
3300 North Ashton Blvd

City:
Lehi

State:
Utah

Postal Code:

[Save](#) [Cancel](#) [Delete](#)

Admin > Users > Management

Create User

55 results Show All

First Name	Last Name	Home Institution	Email/User Name	Active	
Alex	Haig	Acquisitions HQ (Training)	alex@sd.com	Yes	
Andy	Andersen	Central	andy.andersen@gmail.com	Yes	
BC	Mobile	Springfield Consortium (Beta)	bcmobile@sirsidynix.com	Yes	
青雲搜尋服務	仲介	Springfield Consortium (Beta)	bcss@gent.com	Yes	
BCSS	Agent	Springfield Consortium (Beta)	bcssagent@sirsidynix.com	Yes	
Becky	Hallstrom	Springfield Consortium (Beta)	bhallstrom@gmail.com	Yes	
Brandon	Smith	Springfield Consortium (Beta)	brandon.smith@gmail.com	Yes	
Bryce	Hilmo	Springfield Consortium (Beta)	bryce.hilmo@gmail.com	Yes	
Cat	Testing	Springfield Consortium (Beta)	cattesting@gmail.com	Yes	
Central	Administrator	Central Group	central@sirsidynix.com	Yes	
Chad	Hilmo	South Library	chad.hilmo@gmail.com	Yes	
Chad	Lewis	South Group	chad.lewis@gmail.com	Yes	
Claire	Amoroso	Springfield Consortium (Beta)	claire.amoroso@sirsidynix.com	Yes	
co	sugi	Springfield Consortium (Beta)	cosugi@2016.com	Yes	
Dave	Robinson	East	dave.robinson@gmail.com	Yes	
Demo	Support	Springfield Consortium (Beta)	demosupport@sirsidynix.com	Yes	
Demo	Team	Springfield Consortium (Beta)	demoteam@sirsidynix.com	Yes	
DemoTeam	SSO	Springfield Consortium (Beta)	demoteamsso@sirsidynix.com	Yes	
Heather	Palmer	Central	heather.palmer@gmail.com	Yes	
Helga	Winold	Springfield Consortium (Beta)	helga.winold@sirsidynix.com	Yes	
Heidi	Smith	Springfield Consortium (Beta)	hsmith@gmail.com	Yes	
Jason	Beck	East	jason.beck@gmail.com	Yes	
Jennifer	Sharp	East	jennifer.sharp@gmail.com	Yes	
James	Johnson	Springfield Consortium (Beta)	jjohnson@gmail.com	Yes	

Edit User: DemoTeam SSO

First Name: * DemoTeam Last Name: * SSO

Email/User Name: * demoteamsso@sirsidynix.com

Home Institution: * Springfield Consortium (Beta)

Single Sign-On Identity Provider: presales-ss0-cas

Single Sign-On User ID: demoteam

Associated Groups: + Add User to Groups

- Acq Training x
- BCSS Agent x
- CAT Testers x
- Central Order Clerk x
- Circles Manager x
- Demo Beta ILS Agent x
- Demo Team - Admin x
- Fund Account Manager - Academic x
- Fund Account Manager - South Group Circle - Springfield x
- Fund Account Manager - Springfield Circle x
- Public Fund Manager x
- Sales Advanced x
- Sales Team x

Save Cancel Delete

Future Plans

BLUEcloud Central

SymphonyWeb, Analytics, eRM

Multi-Factor Authentication (MFA or 2FA)

Multi-tenant CAS

Become a member of federations – InCommon, UK Fed, OpenAthens

About LOUIS

- 47 consortium members, public and private, Academic and special Libraries
- 38 instances of Symphony and Enterprise
 - Migrated to Enterprise in 2018 (from e-Library)
- Many sites have some SSO service for other campus platforms
 - Some use SSO for EZproxy authentication

About LOUIS

- Sites typically have centralized user loads that come from campus IT department.
 - User load frequency can vary by site from
 - Daily
 - Weekly
 - Few times a semester
- User ID number
- User email address matches campus SSO login
 - With or without the domain



MCNEESE

STATE UNIVERSITY

Your user ID is your Banner number, plus 2 additional digits: 01 for faculty and staff or 02 for students. If you are a member of the Friends of the Library, your user ID is the number on your membership card, plus 2 additional digits: 03 Do not include any dashes or spaces.

Username:

Password:

Log In



myLSU account or Email address

Password

[Forgot Password?](#) [Login Trouble?](#)

By accessing this service, you agree to have read and accepted the terms set in this [policy statement](#).

**SOUTHERN
UNIVERSITY**
LAW CENTER



**SOUTHERN
UNIVERSITY**
LAW CENTER

Sign in

username without @sulc.edu

Password

Sign in

[Forgot Password](#) | [Forgot Username](#)



Sign in

someone@uno.edu

[Can't access your account?](#)

Back

Next

Please contact the IT Help Desk if you need assistance (504-280-4357)



Sign-in options

SSO for Enterprise – round one

- Two sites for Fall 2020
 - Southern University Law Center went live in October 2020
 - LSU went live with SSO for Enterprise in November 2020

SSO for Enterprise – round one

- Coordinate with campus IT
 - Exchange of metadata files
 - Test credentials for SSO System
 - Shibboleth for LSU
 - QuickLaunch SSO for SULAW
 - Add Web Authentication ID in user load file
 - Campus IT changes export process to add new field
 - Back-convert existing user records
 - Enable display of Web Authentication ID in Display User wizard

SSO for Enterprise – Round two

- Five additional sites
 - SAML
 - Microsoft Azure
 - Shibboleth
 - QuickLaunch SSO
- Using a Where-Are-You-From (WAYF) page
 - LOUIS using a single CAS server
 - Reduce cost
 - Users choose their institution

Get access to your library account by signing into your institution's single sign on application. Select your institution below.



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Login with MyLSU Law



Login with MyLSUS



Login with Loyola Single Sign On (SSO)



Login with MySULogin



Login with QuickLaunch SSO



Login with UNO Sign In

LOUIS: THE LOUISIANA LIBRARY NETWORK

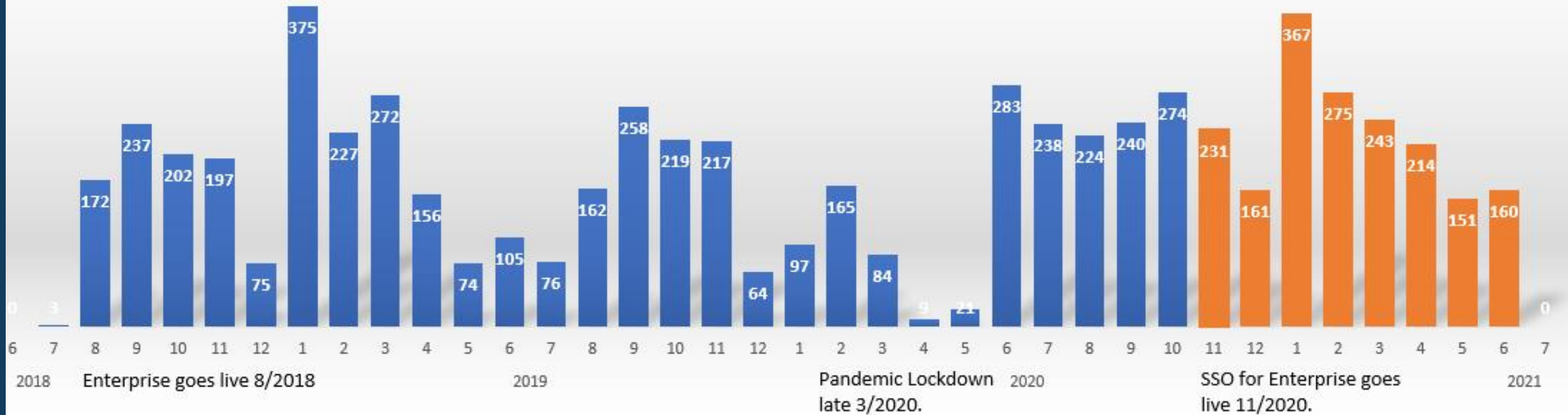
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SSO for Enterprise – Impact

- LSU
 - Slightly higher holds placed in Enterprise
 - About the same
 - Renewals
 - Fines paid

LSU - Holds Placed in Enterprise



SSOooooo...
Any questions?

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Ranny.Lacanieta@SirsiDynix.com