



*Welcome!*

# Academic SIG

A COSUGI Special Interest Group





# *Single Sign-On for Patrons & Staff*

Ranny Lacanienta | Director of Product Management



# *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.

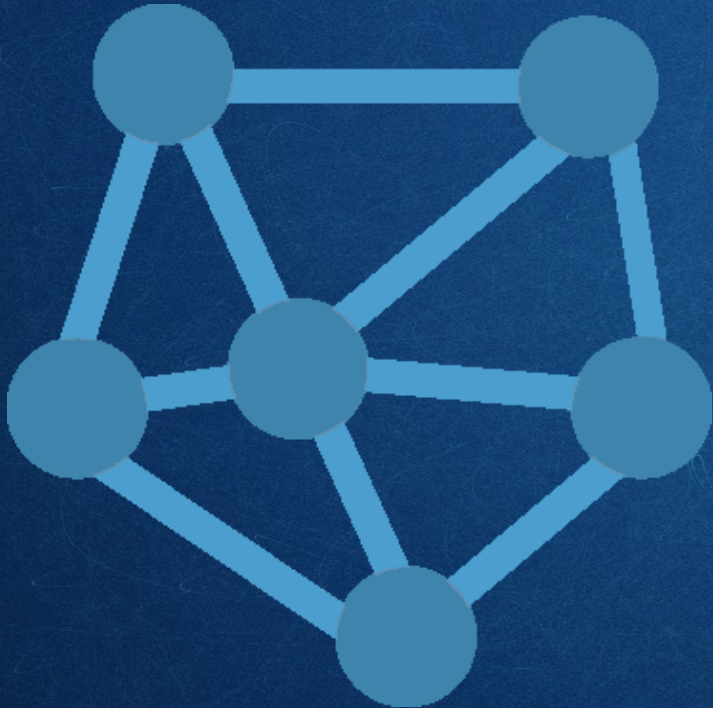
# What is SSO?



## Terminology

- **Principal** – typically the user.  
Ex. “John Doe” or “jdoe”
- **Identity Provider (IdP)** – creates, maintains, and manages identity information for principals and provides principal authentication to other service providers within a federation  
Ex. Azure
- **Service Provider (SP)** – An application role supported by a system entity to provide services to principals or other system entities.  
Ex. Enterprise

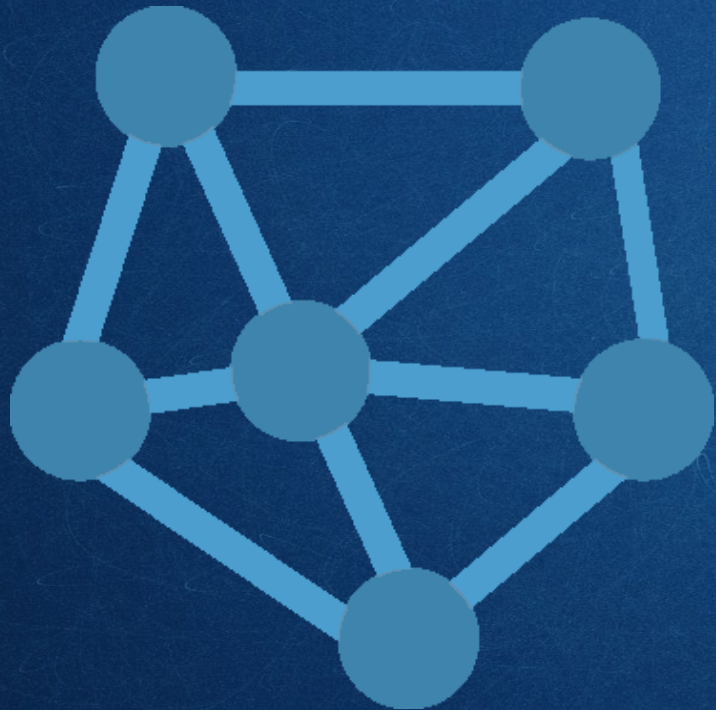
# *What is SSO?*



## Protocol

- A set of rules governing the exchange or transmission of data between devices or services.

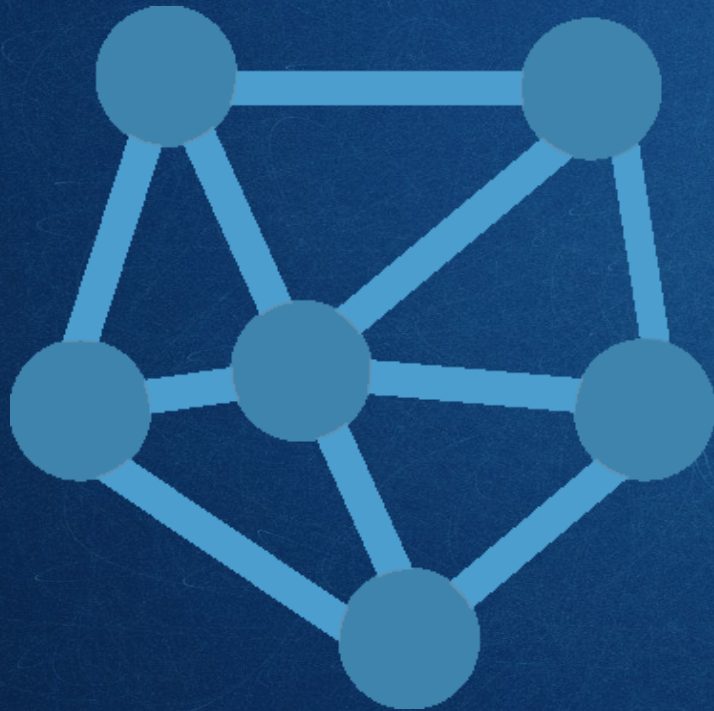
# What is SSO?



## Some Major SSO Protocols

- CAS – Central Authentication Service
- SAML – Security Assertion Markup Language is an open-standard data format
- WS-Federation (WsFed) – defines mechanisms for allowing different security realms to broker information on identities, identity attributes and authentication.
- OpenID Connect (OIDC) – open standard and decentralized authN protocol. Typically uses a relying 3<sup>rd</sup> party for the user's credentials.
- Kerberos – secure computer network communication protocol intended for use in a client-server architecture.

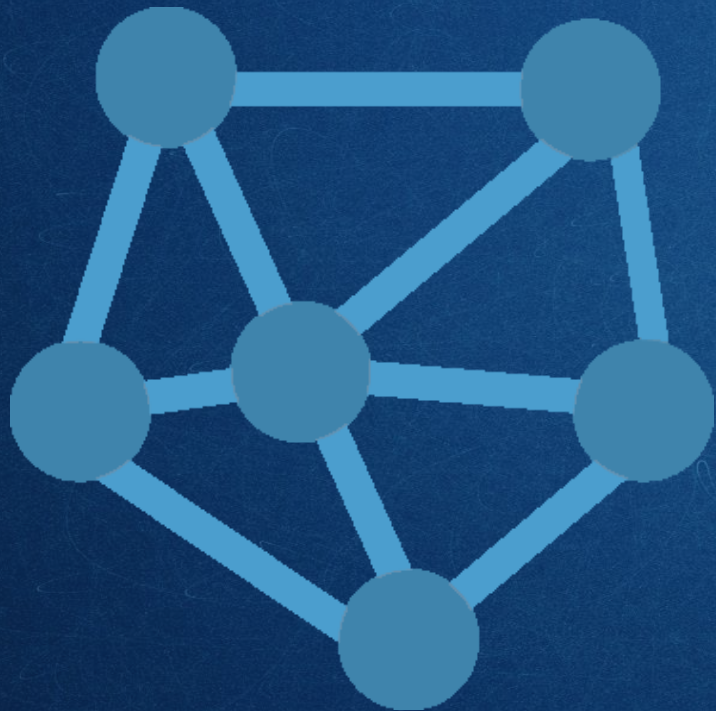
## *What is SSO?*



## Some Major SSO Products

- **CAS** – Central Authentication Service
- **Shibboleth** – a SAML-based open-source authentication system
- **ADFS** – Active Directory Federation Services from Microsoft.
- **Azure AD** – Microsoft's new SSO product. Uses SAML, OIDC or WsFed protocols
- **OpenAthens** – EduserV's SSO solution that uses SAML, CAS or OIDC protocols.
- Others like **PingIdentity** or **Okta**

# *What is SSO?*

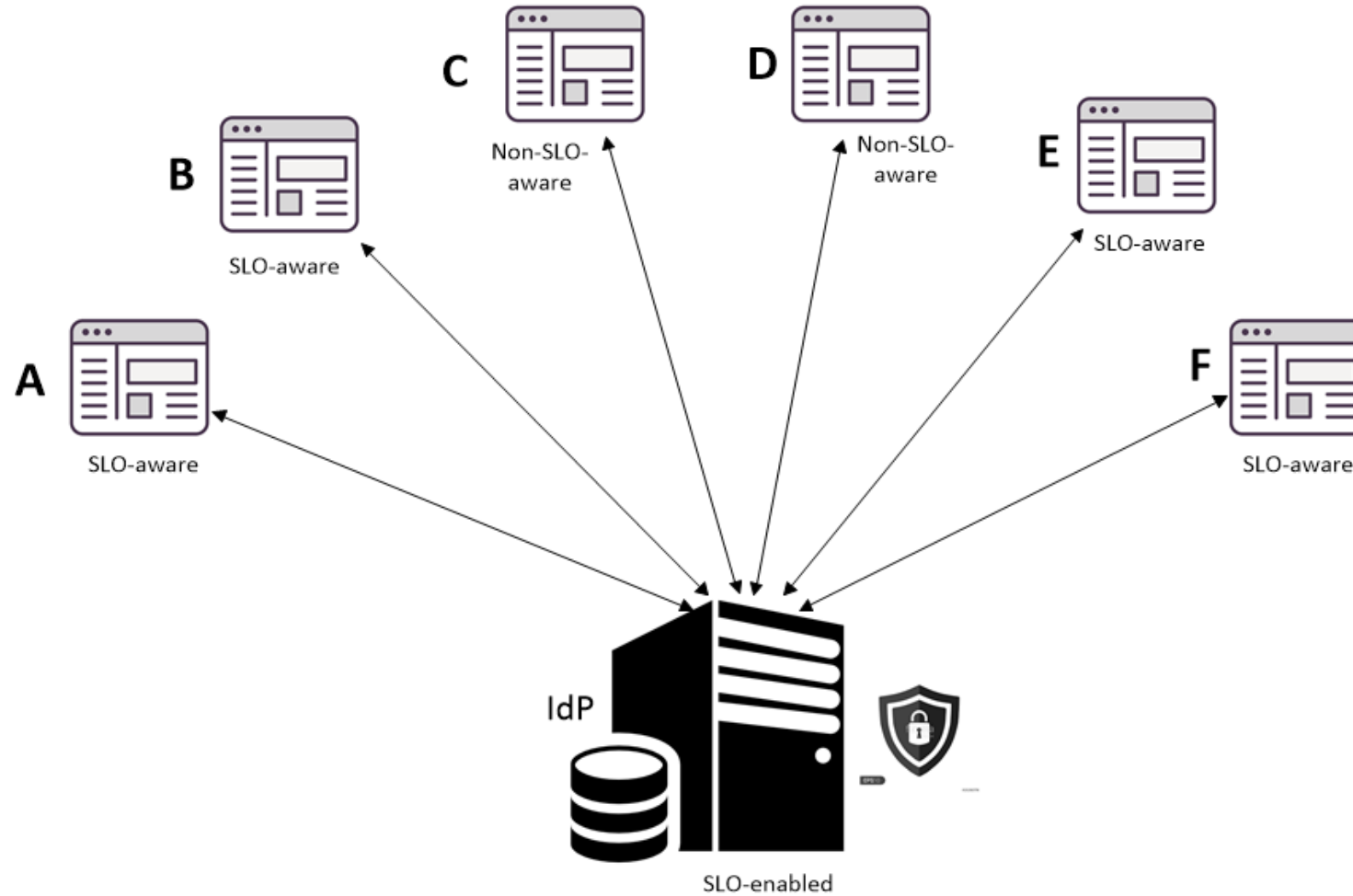


## Single Logout (SLO)

- ... is the invalidation of client application sessions in addition to its own CAS SSO session.



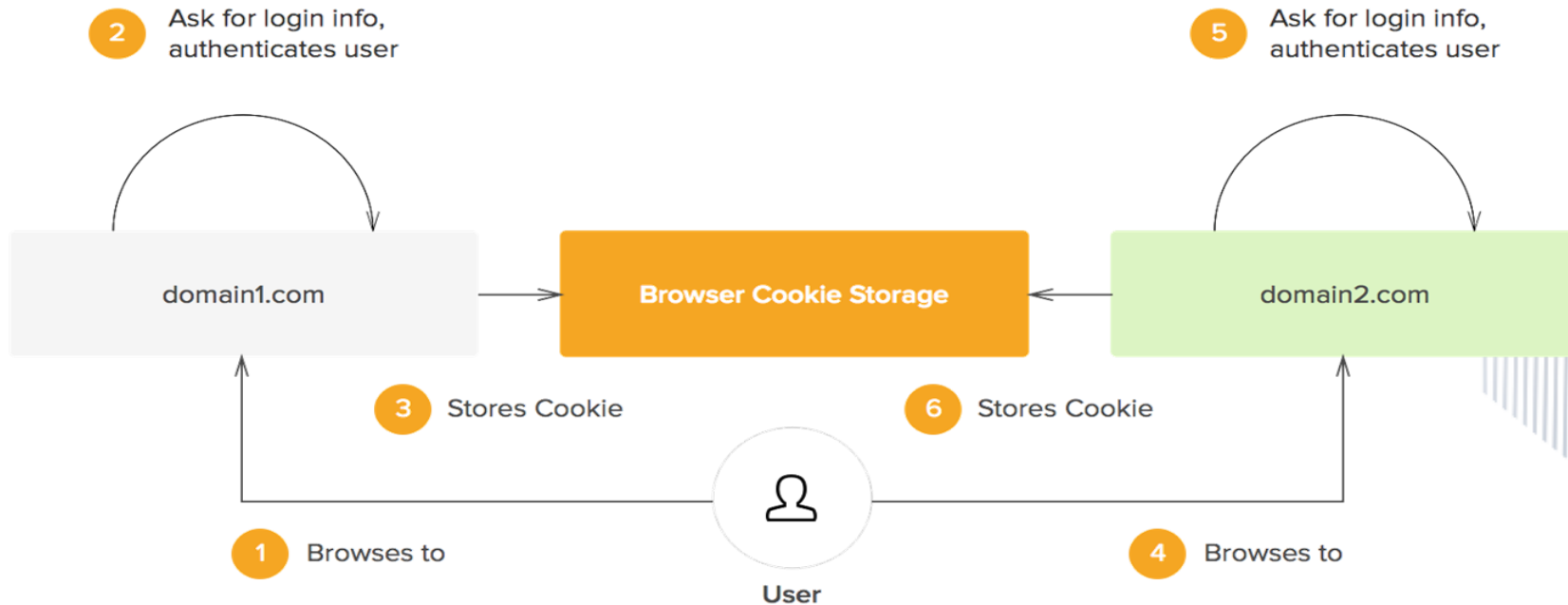
# Single Log Out (SLO)



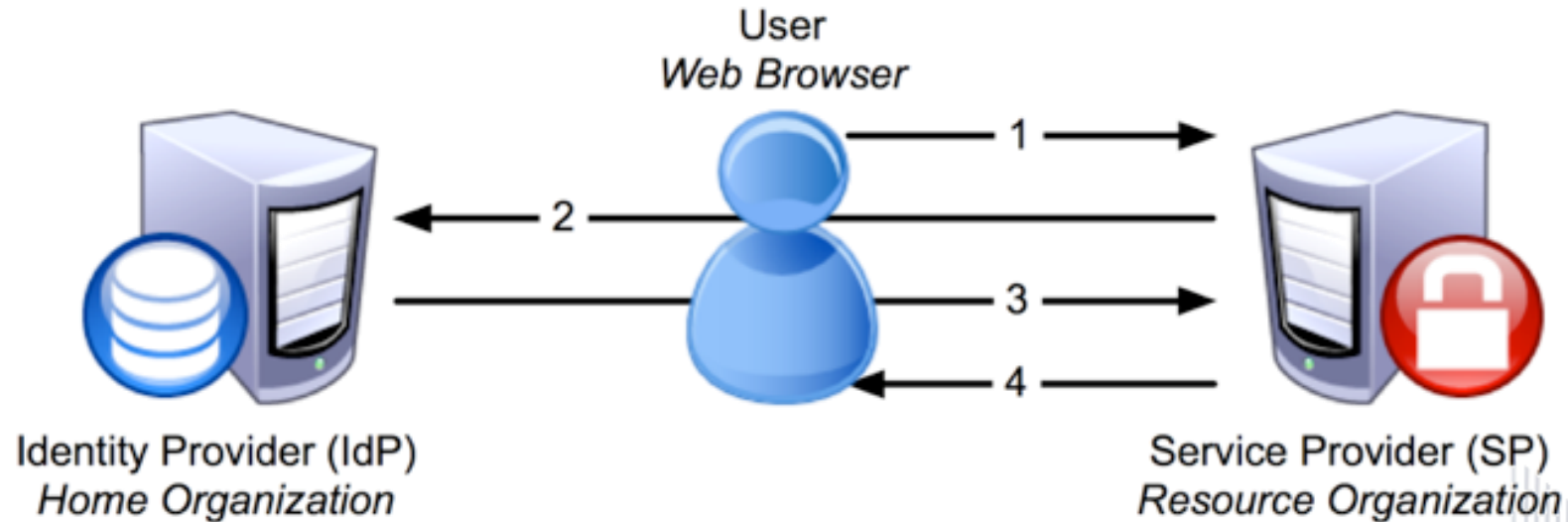
SSO Federation

# Non-Single Log Out Scenario

## NON-SSO SCENARIO



# 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.

# *Some 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 3<sup>rd</sup>-party systems
- Increase access - single click on a link and not have to log in again
- Removal of business barriers
- Accelerates data sharing - with customers, business partners and vendors (supports “best of breed” approach)
- Code is reusable for widely used protocols
  - Leads to increased productivity for developers who wouldn’t need to write multiple authN/authZ codes

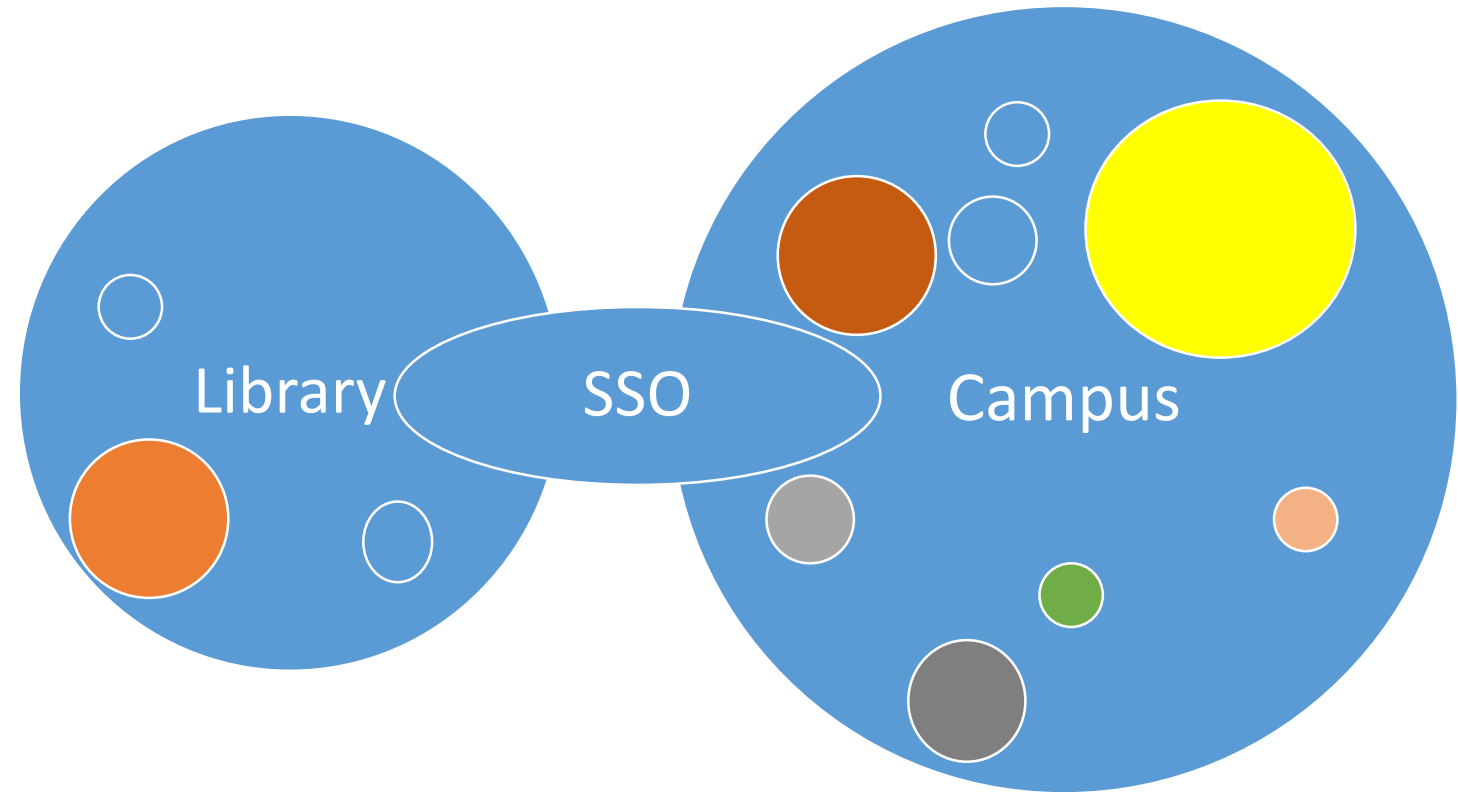
# *Some Benefits of SSO*



## BLUE: Best Library User Experience

- Who wants multiple login credentials?
- As an end user, I know that my transactions are secure
- Expand the library [microcosm](#).
- “One-click” access to library resources.
- Make it convenient and simple for the user.
- Support for the “Sharing Economy.”
- Reusable code for SirsiDynix developers means more time to work on more important issues which translates to satisfied end-users and thereby adding to the enhancement of the user experience.

# *SSO System Expansion*



# *Some Benefits of SSO*



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# Applications - patrons

- Enterprise Discovery
- BLUEcloud Mobile
- eLibrary

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Log In | My Account | My Lists | Select Language

Everything | All Fields | SEARCH | Advanced Search

**About the Library**

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- Library History
- LRC Employment Opportunities

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**Operating Hours**  
Fall 2021 Hybrid Hours of Operation

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|---------------------|--------------------|
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**Special Collections**

ALABAMA A&M UNIVERSITY  
DIGITAL COLLECTIONS

AlabamaMosaic

Alabama Virtual Library

AVL Access

Drake LRC Frequently Asked





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

Always redirect these addresses to this profile

### Security Options

Redirect to Home Page (and logout) after:  Minutes

Reload the Home Page after session timeout

Enable Google reCAPTCHA

Authentication Required

Update patron activity on login

Username Field Label:  English (Australia) ▼

Show Password Field

Password Field Label:  English (Australia) ▼

[+ Add Authentication Server](#)

CAS ▼

### Other

Google Analytics Account Number:

Accessibility Mode: Disabled by default ▼

Accessibility mode link is an icon

Email "from" address:

Mobile Pages: Enabled for mobile devices o ▼

Cancel OK

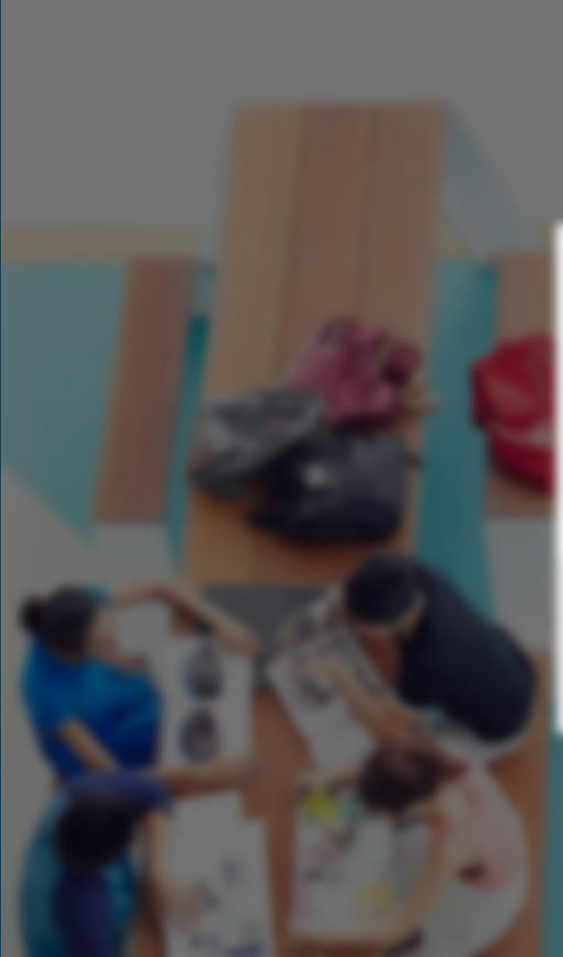
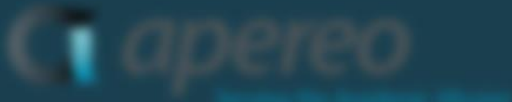
## Symphony Web Services Admin

### 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"/> |



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



Login with MyLSU



Login with MyLSU Law



Login with MyLSUS



Login with Loyola Single Sign On (SSO)



Login with MySUNO Login



Login with QuickLaunch SSO



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](http://www.louislibraries.org).



# Applications - staff

- Java WorkFlows

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Log In | My Account | My Lists | Select Language

Everything | All Fields | SEARCH | Advanced Search

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**Special Collections**

- Alabama A&M University Digital Collections
- AlabamaMosaic
- Alabama Virtual Library
- AVL Access

Our heartfelt thanks for a job well done!

Dr. and Mrs. Andrew Hagans, II

ALABAMA A&M UNIVERSITY

SLIDE 4 OF 48

# Java WorkFlows and SSO

## Technical specs

Requires Active Directory (Kerberos) on customer network

Can be used with local or SaaS Symphony

\*nix or Windows support

Import scripts available to convert/map Active Directory records to Symphony records

WebAuthID determines functionality

Individualized logins (e.g., KCANNON, not 'CIRC', required)

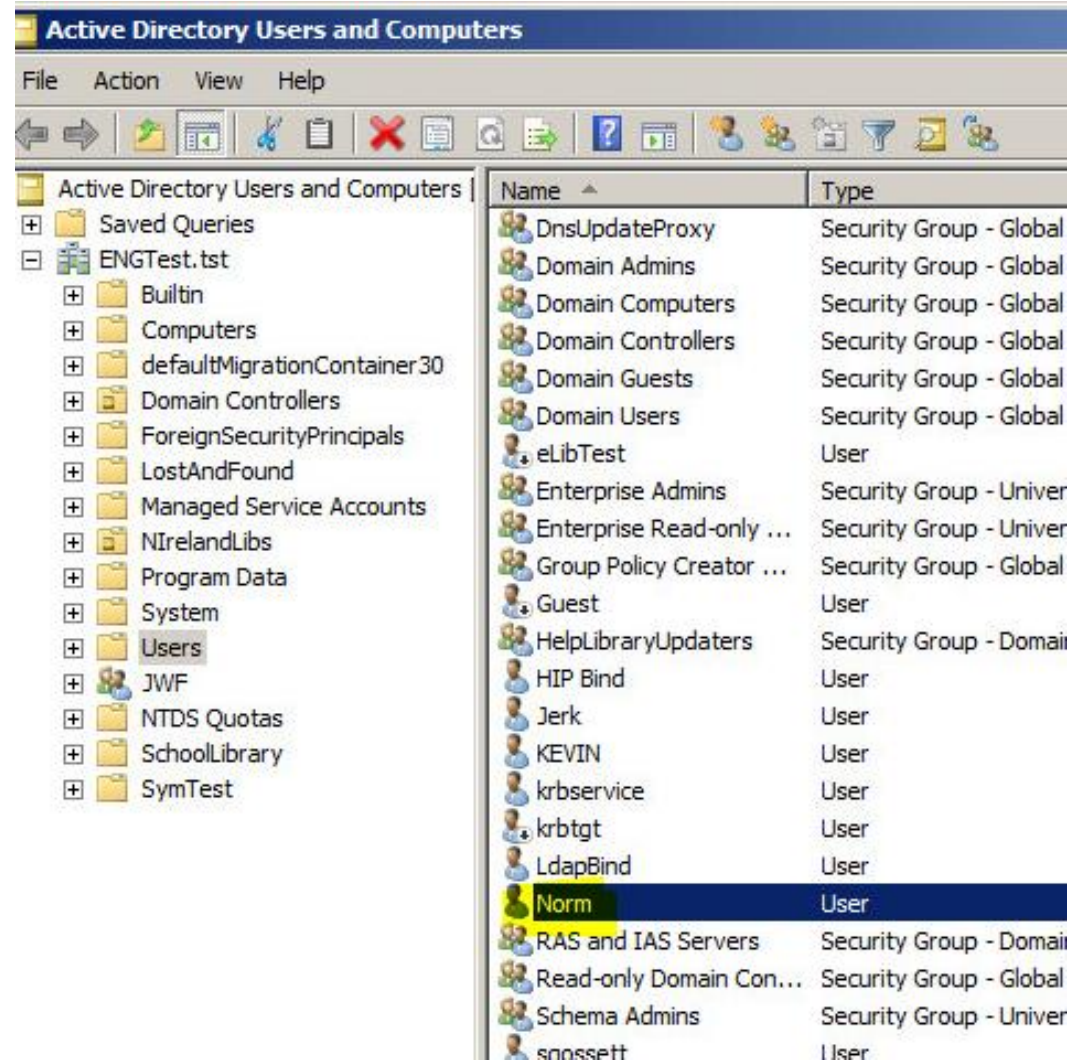
User Registration \*  
User Registration

Id: KCANNON  
Group ID:  
Profile name: ADMIN...

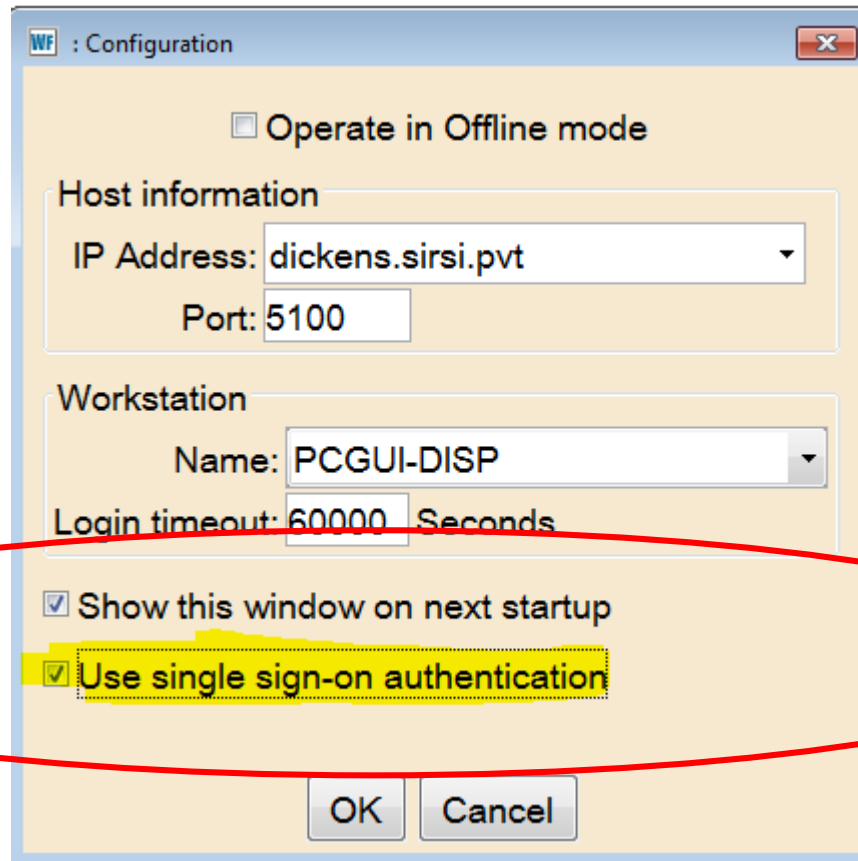
Basic Info | Privilege | Demographics | Addresses | Extended Info

Privilege expires: NEVER   
PIN: 6837  Override:   
Status: OK   
Claims returned:   Override:   
Web auth id: kevincannon  Override:   
BLUEcloud staff ID:  Override:

# Java WorkFlows SSO



# Java WorkFlows SSO



WF : Configuration

Operate in Offline mode

Host information

IP Address: dickens.sirsi.pvt

Port: 5100

Workstation

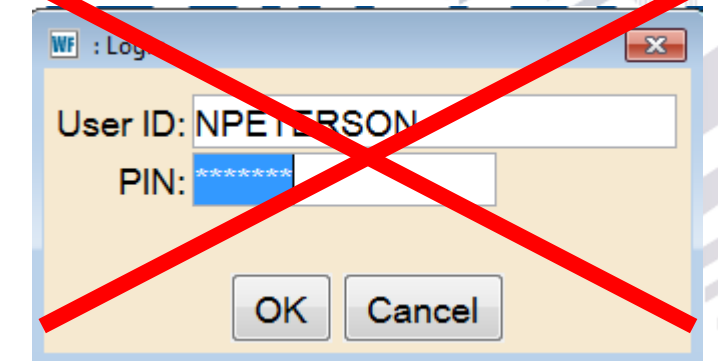
Name: PCGUI-DISP

Login timeout: 60000 Seconds

Show this window on next startup

Use single sign-on authentication

OK Cancel



WF : Log

User ID: NPETERSON

PIN: \*\*\*\*\*

OK Cancel



# Java WorkFlows SSO

WF : Session Info

Login information

User ID: NPETERSON  
User access: CIRC  
User environment: CIRC  
User profile: CIRC  
Station library: MAIN

Modify User ×

Modify User

User ID: NPETERSON    Peterson, Norm    Pr

Identify User

User ID: NPETERSON

Basic Info    **Privilege**    Demographics    Addresses    Ex

Privilege expires: NEVER

PIN: cheers

Status: OK

Claims returned: 0

Web auth id: norm

BLUEcloud staff ID:

# Java WorkFlows and SSO

## General

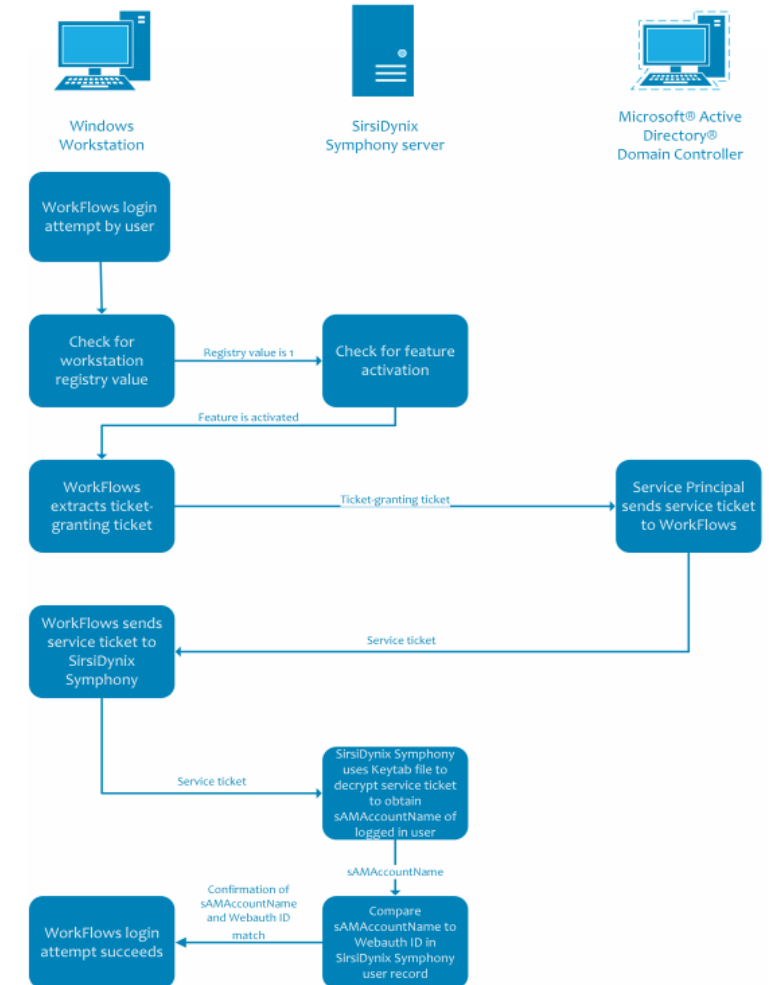
Free of charge

SureStart with SD Consulting, general support from Customer Support

Less passwords/PINs to remember

Automated process of updating Symphony login records

JWF keeping up with demand for authentication options



# Applications – staff

- BLUEcloud Central
- MobileStaff
- Community Engagement Platform (CEP)

The screenshot displays the Alabama A&M University website. At the top left is the university logo and name: ALABAMA A&M UNIVERSITY, J.F. DRAKE MEMORIAL LEARNING RESOURCES CENTER. A navigation bar includes links for Log In, My Account, My Lists, and Select Language. Below this is a search bar with a dropdown menu set to 'Everything' and 'All Fields'. The main content area features a large banner with the text 'Our heartfelt thanks for a job well done!' and several photos of staff members. To the right of the banner is a table of 'Operating Hours' for Fall 2021 Hybrid Hours of Operation. Below the table are sections for 'Special Collections', 'AlabamaMosaic', and 'Alabama Virtual Library'. A sidebar on the left contains links for 'About the Library', 'Library Resources', and 'FAQs'. The footer includes the SirsiDynix logo.

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Log In | My Account | My Lists | Select Language

Ask Us! | Everything | All Fields | SEARCH | Advanced Search

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**FAQs**

Drake LRC Frequently Asked

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**Special Collections**

ALABAMA A&M UNIVERSITY  
DIGITAL COLLECTIONS

AlabamaMosaic

Alabama Virtual Library

AVL Access

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

More

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

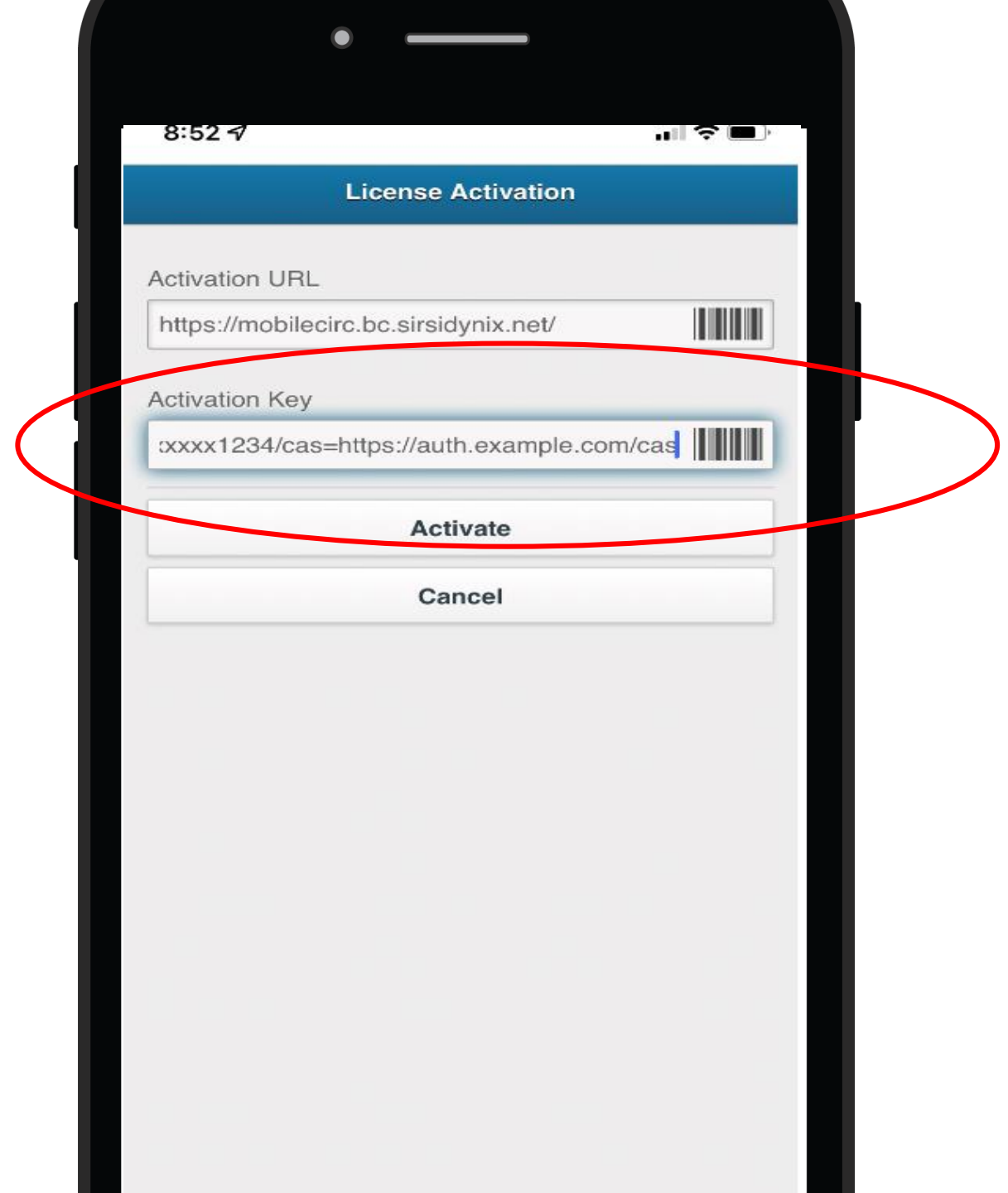
Single Sign-On User ID: demoteam

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

*MobileStaff*



## License Activation

Activation Key

xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxx1234/cas=https://auth.example.com/cas|

**Activate**

**Cancel**



Welcome to  
*Community Engagement Platform*

GET STARTED  
What do you want to do?

Create Event

View Reports

## EVENT REPORTS

EMAILS

THIS MONTH

## UPCOMING

EVENTS

Jun 15 @ 8:00 AM  
BookClub @ the Park






You are now logged out.

Username or Email Address

Password

   
 Remember Me

Dashboard

Reports

Posts

Rooms

Events

Media

Pages

Comments

Emails

Smart Lists

Help

Appearance

Plugins

Users

All Users

Add New

Profile

**SSO**

User Role Editor

View Calendar

## SSO Settings

Enable SSO



CAS Button Label

Single Sign On

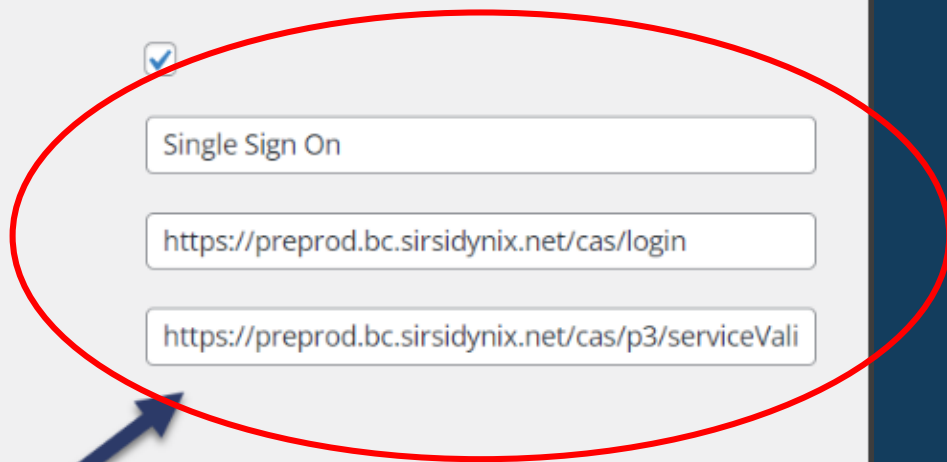
CAS Login URL

https://preprod.bc.sirsidynix.net/cas/login

CAS Validate URL

https://preprod.bc.sirsidynix.net/cas/p3/serviceVali

Save Changes



# Future Applications – staff

- BLUEcloud Analytics
- SymphonyWeb
- Coral eRM
- Other vendor systems

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*Questions?*





*Thank you*

Ranny.Lacanienta@SirsiDynix.com

