

Stranger Things: An Academic Sierra Inn Reach Library moving to Innovate AWS

Tuesday, May 7, 2019

3:00 - 4:00 LAVEEN M05

Draft Slide Deck 05/01/2019

Outline

- Project Background
- Campus Partners
- Software Only / Hosted evaluation
- License negotiation
- Implementation
- Innovative Single Sign On
- Implentation / Go Live
- Post Go Live
- Inn Reach SSO
- Miscelaneous
- Things I'd have done differently

Outline

- Project Background
- How we decided on hosted
- Implications of hosted and SSO
- Getting to the signed contract
- Implementation project
- SSO configuration & testing
- Go Live
- Post Go Live
- Interesting tidbits
- Things I'd have done differently

Project Background

- BGSU was a founding member of OhioLINK which was the first Inn Reach sites in 1992
- Our Inn Reach Partners:
 - OhioLINK (Academic Library Consortia in the State of Ohio)
 - SearchOhio (Public Library Consortia in the State of Ohio)

17% of all our initial circulations at BGSU are Inn Reach
(excluding reserve/equipment/closed stacks)

Project Background

- BGSU UL Innovac implementation -1992
 - Turnkey server customer
 - maurice.bgsu.edu
- BGSU UL migrated to Millennium - 2004
- Implemented WAM fro remote access – 2005, migrated to Eproxy in 2014
- BGSU implemented LDAP for patron login (My Library Account and WAM) -2009
- BGSU UL Summon Discovery Layer -Spring 2011
(Encore Discovery Layer would require additional III AWS server)
- BGSU UL migrated to Sierra - 2013
Sierra required two server's:
 - maurice.bgsu.edu application server we purchased - 2010
 - sierra-db.bgsu.edu database server we purchased - 2013
- AWS implementation Jan - 2018

Project Background

- In 2015 started thinking about server replacement.
 - Current Sierra application server was a six year 32 bit OS application server
 - Age of server left us with no Sierra migration path due to 2.1.0_4 and beyond have a 64 bit OS server requirement
- In the June of 2016 our turnkey application hard disk array die.
 - Innovative fixed it and got us back up and running.
 - They rebuilt the disk array with 64 bit software so we were able migrate up to Sierra 3.1.3
- Fall 2016 Central IT had project to get all servers out of old server room by Jan 2017
- Fall of 2016 BGSU Chief Information Officer indicated that central IT could virtualize two servers we would need for Sierra

Campus Partner

- BGSU Central IT - software only evaluation (Jan – March)
 - Meetings with BGSU ITS staff and III technicians
- BGSU Central Purchasing (May – July 2017)
 - Had to straighten out previous contract proposals
- BGSU Legal Office (June – September 2017)
 - Innovative wanted to replace the old file folder of purchase contracts between BGSU and Innovative
- BGSU Central IT / Library / Innovative Implementation (October 2017– Jan 2018)

Central IT / Virtual Machine evaluation

- Conference calls between BGSU Central IT and software engineers and managers at Innovative
(Dec 2016 – February 2017)
- Innovative requirements virtual machine servers:
 - root account
 - iii root account
 - 24/7 access to the virtual server.These 3 requirements were problematic from my Central IT security standpoint.
- Central IT asked for a spec document regarding which software release libraries were using so they would know what security patches to install on server or not to install without bringing down Sierra software. Innovative did not have such documentation at that time.
- Virtual machine install process: Innovative Sierra software for server's is installed by a technician via self extracting software loads on a virtualized server. My central IT could watch the process but could not veto any libraries they might identify as a security risk.

Central IT / Hosted evaluation

- Evaluate the hosting landscape:
 - With our turnkey server located in a BGSU server room we used LDAP for My Library Account and WAM authentication
 - Central IT security protocols no longer allowed the use of LDAP for off-campus third party software applications.
 - III AWS hosting require us to annually license Innovative SSO software for using campus credentials. SSO requires another server for Apache process.
 - BGSU Central IT sent a security questionnaire to Innovative Cloud Operations 5/17 - BGSU Security staff impressed at Innovative responses.

Central IT / Hosted evaluation

Innovative hosting costs negotiations started

- Dennis Carter our Sales Representative
- Worked out details in May of 2018
- 3 servers needed in AWS cloud:
 - Application server sierra-app.bgsu.edu Sierra Client
 - Database server bowlg-db.iii.com SQL pgAmin access
 - SSO server maurice.bgsu.edu Apache Server
- BGSU has 1.2 million Bibliographic records
- As such we were classified by Innovative as a very large sized library for the virtualized server spec's that we would need for AWS hosting

Central IT / Hosted evaluation

Questions?

License Negotiation

- New Contract Documents (BGSU Legal with III Legal)
- **Bowling Green State University__Master Subscription License Agreement**
 - BGSU is an institution of the State of Ohio so contract resolution has to be in Ohio courts jurisdiction
- **Bowling Green State University__Perpetual License Agreement**
 - Identify software from past purchase to be identified and included
 - Remember to get odd little things like Millennium upgrade and the number of simultaneous staff logins we negotiated at that time
- **Bowling Green State University__ Professional Services Agreement**
 - cloud migration one time expenses
 - Sierra Application Server, Sierra Database Server
 - Sierra SSO server setup/sconfiguration

License Negotiation

- **Bowling Green State University__Master Subscription License Agreement**

INNOVATIVE INTERFACES INCORPORATED
SUBSCRIPTION LICENSE AGREEMENT

This Subscription License Agreement (“License Agreement”) is entered into by and between Innovative Interfaces Incorporated, a California corporation (“Innovative”), and the party identified as Client below (“Client”), as of the “Effective Date” also set forth below.

Client	
Address	
Customer No.	
Effective Date	

1. **Definitions.**

“Authorized Users” mean Client's worldwide employees, third-party auditors, agents and contractors, as well as those users and employees operating in Client's member locations.

License Negotiation

- **Bowling Green State University__Perpetual License Agreement**
 - Identify software from past purchase to be identified and included
 - Remember to get odd little things like Millennium upgrade and the number of simultaneous staff logins we negotiated at that time

INNOVATIVE INTERFACES INCORPORATED PERPETUAL LICENSE AGREEMENT

This Perpetual License Agreement is entered into by and between Innovative Interfaces Incorporated, a California corporation (“Innovative”), and the party identified as Client below (“Client”), as of the “Effective Date” also set forth below.

Client	
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#1



License Negotiation

- **Bowling Green State University__ Professional Services Agreement**
 - cloud migration one time expenses
 - Sierra Application Server, Sierra Database Server
 - Sierra SSO server setup/sconfiguration

INNOVATIVE INTERFACES GLOBAL LIMITED
MASTER PROFESSIONAL SERVICES AGREEMENT

This Master Professional Services Agreement (“Services Agreement”) is entered into by and between Innovative Interfaces Incorporated., a California corporation (“Innovative”), and the party identified as Client below (“Client”), as of the “Effective Date” also set forth below.

Client	
Address	
Customer No.	
Effective Date	

1. **Definitions.**

- a. “SOW” means one or more Statements of Work executed by the parties hereto from time to time on or after the Effective Date, and attached to and made part of this Agreement as Exhibit A.

License Negotiation / Signed Contract

- Jim Tillman visited our site and gave a state of the company update at an all staff meeting. 9/21/17
- Had a meeting with the Dean afterward where all the final contract details finally worked out in the following week.
- Jim Tillman scheduled to visit the Ohio IUG Regional Conference in Columbus on 9/22/17
- Required my Dean and BGSU legal consul signatures at BGSU, as well as expense approval higher up, and CIO approval.
- Final contract signed by all parties Oct. 12, 2017

Implementation

- Communications: migrations@iii.com
- Innovative AWS hosted survey for implementation
- https://csdirect.iii.com/documentation/hosted_systems.php#related
- Innovative SSO survey for implementation
- https://techdocs.iii.com/iii_techdoc_sso.php
- SSO Integration Prerequisite From

Implementation

- Kick Off meeting questions from BGSU ITS
- What needs to occur before the environment will be available?
- When will the environment be available?
- How much time is needed for testing:
 - Application Server sierra-app.bgsu.edu
 - Database Server sierra-db.bgsu.edu
 - SSO/SLO server maurice-test.bgsu.edu
 - BGSU SSO testsso.bgsu.edu
 - Portlet mytest.bgsu.edu
 - Firewall campus and AWS
 - PeopleSoft test FTP server daily patron load via iiii scheduler product
 - Whitelisting email's from cloud server in BGSU email system
 - Inn Reach testing not available prior to Go-Live

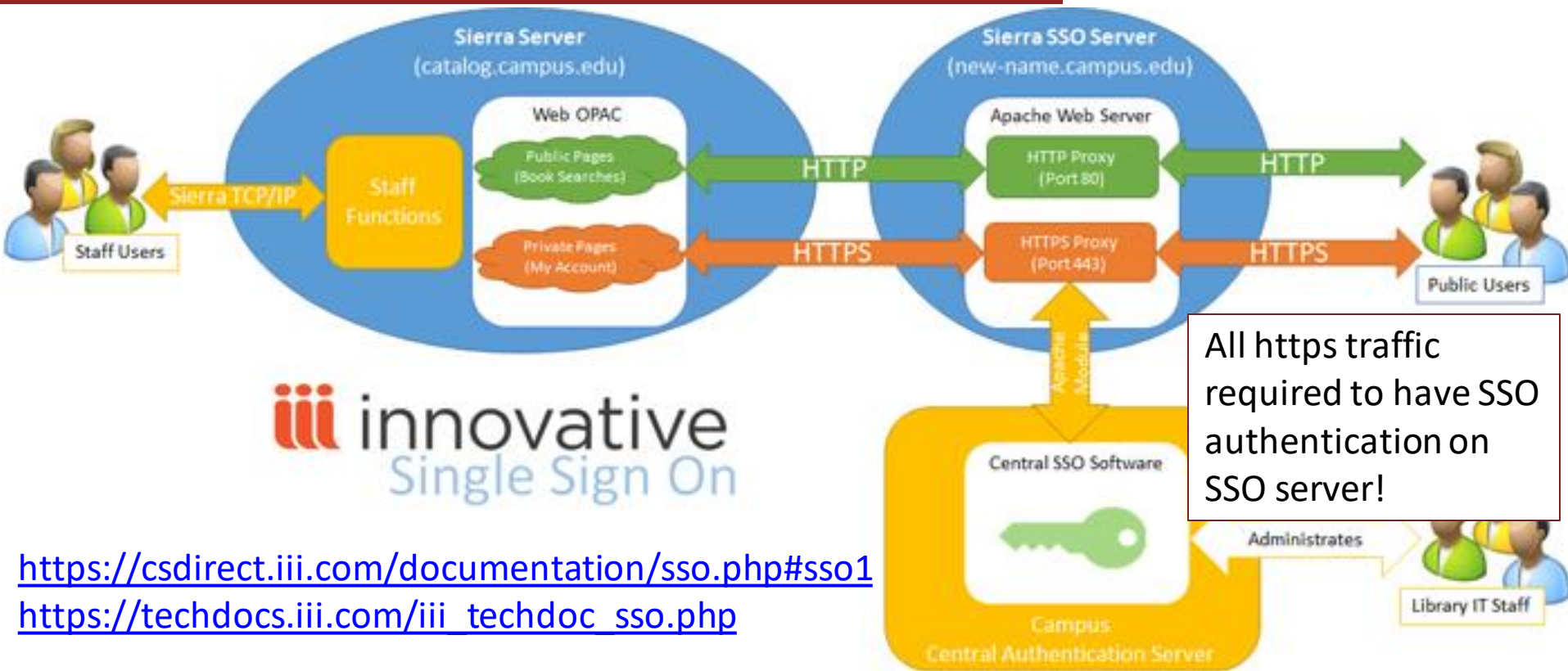
Implementation

- 11/07/17 Kick Off Meeting Library/ITS & Innovative
 - BGSU ITS emphasize need for SSO test environment
 - (Not a normal part of AWS implementation with III at the time)
- 11/13/17 Innovative Cloud Opps created SSO test server
 - SSO server environment maurice-test.bgsu.edu
- 11/15/17 Innovative setup Sierra server's in cloud
 - Took data from our turnkey production to create test environment
 - sierra-app.bgsu.edu => bowlg.iii.com
 - sierra-db.bgsu.edu => bowlg-db.iii.com

Implementation / Single Sign On

- Single Sign On Server testing
- Innovative decided to setup a test SSO environment for utilizing the new hosted VM's that CloudOps. Used the data from our current Sierra environment and had to set up a new temporary valid FQDN, as well as an SSL cert to implement this environment.

Innovative Single Sign On



Innovative Single Sign On

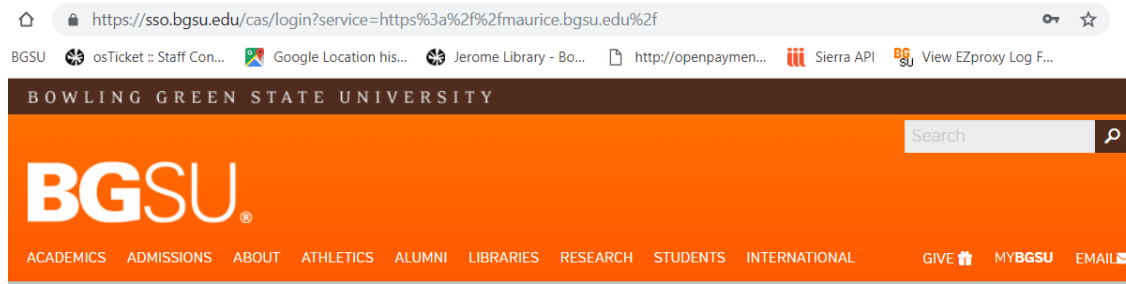
- Originally maurice.bgsu.edu was our application server name and I wanted to preserve all the bookmarks so I thought moving this to the SSO server name was the best path. Especially for old url's using Innovative WAM. (We migrated to Ezproxy as our primary off-campus electronic resource access solution, however we kept WAM as a backup access point.)
- Central IT chose to program our SSO setup using CAS architecture instead of Shibboleth (could have done either) based upon the Innovative response that they had expertise in both for SSO

Innovative Single Sign On

What does it mean that All https traffic on SSO server is required to have authentication? It means that general public users of your webpac and campus users of your webpac have to be directed to different urls.

We use insecure page links from our Library home page so that campus affiliated and non campus users can search our catalog without login in.

<https://maurice.bgsu.edu> redirects: to campus SSO login page:



The screenshot shows a web browser window with the URL <https://sso.bgsu.edu/cas/login?service=https%3a%2f%2fmaurice.bgsu.edu%2f>. The browser's address bar and tabs are visible. The main content area features the BGSU logo and a navigation menu with links for ACADEMICS, ADMISSIONS, ABOUT, ATHLETICS, ALUMNI, LIBRARIES, RESEARCH, STUDENTS, INTERNATIONAL, GIVE, MYBGSU, and EMAIL. A search bar is located in the top right corner of the page.



#IUG2

USERNAME

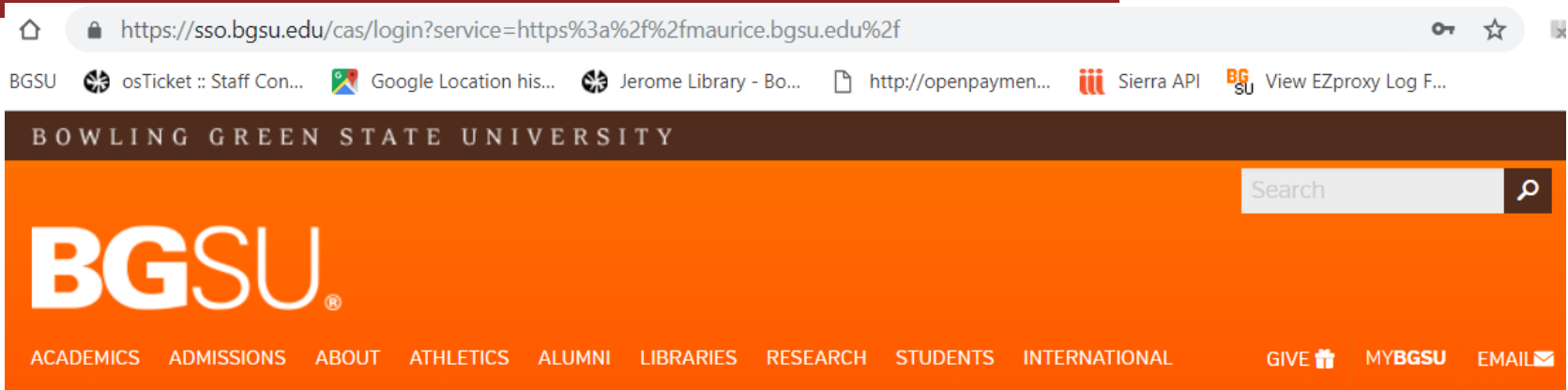
PASSWORD

LOGIN

[Forgotten Password](#) | [New Account](#) | [Help](#)



Innovative Single Sign On



The screenshot shows a web browser window with the URL <https://sso.bgsu.edu/cas/login?service=https%3a%2f%2fmaurice.bgsu.edu%2f>. The browser's address bar and tabs are visible. The page header features the text "BOWLING GREEN STATE UNIVERSITY" and the "BGSU" logo. A search bar is located in the top right corner. Below the header is a navigation menu with links for ACADEMICS, ADMISSIONS, ABOUT, ATHLETICS, ALUMNI, LIBRARIES, RESEARCH, STUDENTS, INTERNATIONAL, GIVE, MYBGSU, and EMAIL. The main content area contains two input fields: "USERNAME" and "PASSWORD", followed by a "LOGIN" button.

BGSU Central IT will not make us a separate login screen for the ILS SSO screen so <https://maurice.bgsu.edu> will be redirected to your campus single sign on screen first! So we have no way of redirecting our courtesy card holders back to the login url they will need to use.

 #IUG20



Innovative Single Sign On

Currently BGSU uses insecure page links from our Library home page so that campus affiliated and non campus affiliated users can search our catalog without logging in. <http://maurice.bgsu.edu>

We want a single url to work for old bookmarks, campus SSO users, and community users so we have to use non https pages

Innovative SSO Community User

- To log into the library account our web pages offer users the login screen for our sso server which is encrypted and that sends them to the campus single sign on screen.
- Our courtesy card holders can not log in this way. On a separate web page for their services we direct them to login to are application server
- <https://sierra-app.bgsu.edu/patroninfo.html> which does not have SSO.



Innovative SSO Community User

- <https://sierra-app.bgsu.edu/patroninfo.html>
 - Used html to create a link back to the SSO login for staff:
-

Login

BGSU Students, Faculty & Staff <input type="button" value="Login"/>	Courtesy Card Users Full Name <input type="text"/> Courtesy Card Number (For example: R12345678) <input type="text"/> <input type="button" value="Submit"/>
---	---

- Note: the ptype will not force users from this page to use SSO. Anyone can still use the name and barcode to access My Library Account via Courtesy Card User screen so it is not secure for library patron account information.

Innovative LSAP was nicer

Login

BGSU Students, Faculty & Staff

BGSU Username

Password (same as email)

Submit

Courtesy Card Users

Full Name

Courtesy Card Number (For example: R12345678)

Submit

- Note: the ptype would force campus community members to use LDAP credentials. Only community member ptype's could access My Library Account via Courtesy Card User prompt!

Innovative Pro Tip

- Pverify_web.html
- Access code via:
- http://sierra-app.bgsu.edu/screens/pverify_web.html
- Also you can see other's webpac config files with syntax:
- <http://sierra-app.bgsu.edu/screens/wwwoptions>

Innovative Single Sign On

This SSO and https issue is still active

[Sierra 4.3 Release Notes:](#)

Libraries with SSO will not have HTTPS redirection. Compatibility between HTTPS redirection and SSO will be added in a future release.

<https://iii.rightanswers.com/portal/app/portlets/results/viewsolution.jsp?solutionid=190122121139406&page=1&position=3>

Innovative Single Sign On / Sign Off

My Central IT also desires that all single sign on software allow for a single sign off button (with closes all services signed it with single sign on)

MyBGSU. Employees

Welcome Employees IT Service Desk AlertBG Quick Links **Sign Out**

LOGOUT SUCCESSFUL

You have successfully logged out of the Central Authentication Service.

For security reasons, exit your web browser.

⚠ Sending Logout Request To All SSO Applications...

Innovative Single Sign off has no way to accommodate this.

Set the SSO for the Innovative Apache credential to expire every 120 seconds or so. This does not effect users, but each 120 seconds in the background the Innovative SSO server will ping the campus SSO controller to issue new credentials.



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Innovative Single Sign On

Questions?

Implementation: III Scheduler Product

- III scheduler product does not support public key authentication
- Scheduler requires username and password by typed in and saved
- BGSU ITS wrote to implementation staff when asked: “Public key authentication is a standard part of SFTP and is supported by nearly every SFTP client available as a more secure means for authenticating. Username/password authentication alone has been identified by most security experts as insufficient in adequately protecting the source of a connection request. BGSU is making a push to eliminate username/password authentication alone, specifically on interfaces handling user information or other automated transfers of data.”



Library Account At A Glance

Name: Strang, Mark J
Expiration Date: 5/27/2019
of Items Currently Checked Out: 5
of Items Currently Requested: 1

Implementation / MyBGSU Portlet

- To renew, cancel holds, or other actions, click [here](#) to go to your library account
- Questions about your account? Email circdesk@bgsu.edu or call 419-372-2051

Checked Out Items

Requested Items

Title	Due Date	Barcode	Call Number
Deliberate optimism	4/2/2019	A11359441018	LB2840
The confident teache	4/2/2019	A11360228172	LB2840
White fragility : wh	5/14/2019	3506500445581	HT 1521
Fame.	5/27/2019	A11352993825	M1508.M
Outrage in Ohio : a	5/27/2019	A11361174789	HV6533.

Showing 1 to 5 of 5 entries

Previous 1 Next

My Library Account –My Millennium Web service protocols for campus portal view

https://techdocs.iii.com/mymillapi_patroninfo_object.php

https://csdirect.iii.com/sierra/help/Content/sril/sril_patronapi.html



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Implementation/Go Live

- Communication Plan
 - All Campus email
 - Social media
 - Library Home Page

- What will be unavailable during conversion:
 - Library Catalog Use OhioLINK catalog to find/view resources
 - Patron Service: Renew books online/View My Library Account
 - Library Service: OhioLINK book requesting
 - Library Patron Service: Renew books
 - Library Staff: check out books – paper circ
 - Library Staff unable to work in Sierra
 - Day of surprise issue announcements

Go Live

Initial Go Live: January 3, 2018

Actual Go Live: January 18, 2018

** Warning it can take some time for your DNS entries to propagate out to the broader internet. Off-campus users can be blocked for a few hours. Central IT says that is the nature of world wide web dns name managers. **

BGSU ITS erase, and dispose of old turnkey servers

Inn Reach SSO was not scheduled to happen on our implementation day even though we notified them we were an Inn-Reach partner

Go Live

Actual Go Live: January 18, 2018

AWS Firewall issues:

FTP service to campus Peoplesoft FTP server to use scheduler for automated Library Patron Load took a couple of days to get AWS ip's configured

PG Admin for MySQL wasn't opened through AWS firewall

On Positive side we choose to allow Sierra Web to only work for campus IP range so we wouldn't have students causing mischief from off campus

Staff need to use MYVPN to get to Sierra from off-campus

Post Go Live

- Uptime 13 months
- Maybe 6 brief outages, pretty awesome
- At least twice when an outage is longer than ten minutes I've called the help desk only to have it come back up while on the phone.
- Once the help desk knew about issue when I got through on the phone.
- Maybe 2 times its lasted 2-3 hours before coming back on line
- Launching sierra client can be slow after 12:00 est. –Normal network overload once west coast online and students actively at work

Hosting

Questions?

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Phoenix, AZ

Inn Reach SSO

- Differing user experience when requesting Inn Reach materials depending on where users start!
- Inn Reach Central Catalog/OhioLINK experience non-SSO
- <http://olc1.ohiolink.edu>
- Local catalog – SSO experience
- <http://maurice.bgsu.edu>
- Local Catalog experience non-SSO
- <http://sierra-app.bgsu.edu>

Inn Reach SSO

- Start at SSO server <http://maurice.bgsu.edu> if you pass along your local request from the central server you will be automatically get the SSO log in and get your campus SSO screen to authorize to fulfill your request. None SSO users need not apply
- wwwoption Inn Reach remote or Partner need to be setup for this

Inn Reach: Start request at central catalog

<http://olc1.ohiolink.edu:80/record=b16334423~S0>

(Search History) KEYWORD

Record: [Next](#)

2 results found. sorted by date .

Author	Malnig, Julie
Title	Dancing till dawn : a century of exhibition ballroom dance / Julie Malnig
Publish Info	New York : New York University Press, [1995], c1992



Bookmark this record as <http://olc1.ohiolink.edu:80/record=b16334423~S0>

Library Holdings



[Hide] [limited Preview at Google Books](#)

Library	Location	Online Version	Call Number/Serial Holdings	Status
Denison University	DEN Main		GV1746 .M28 1995	AVAILABLE

[\[Go to top\]](#)

Inn Reach: Start request at central catalog

Request screen if start at OhioLINK url: <https://olc1.ohiolink.edu>

Request Verification

Requesting **Dancing till dawn : a century of exhibition ballroom dance / Julie Malnig**

Your Name:

BGSU ID # or Courtesy Card #

Pickup Institution:

Pickup Location:



Inn Reach: Start request from local catalog

SSO Request screen if transfer from BGSU catalog to OhioLINK url:

<http://maurice.bgsu.edu/record=b1825742~S9>



WORD View Entire Collection Search

Limit search to items available for checkout
1 result found. sorted by date .

(Search History)

- Text
- Email
- Print
- Cite This
- RefWorks



Author:	Malnig, Julie
Title:	Dancing till dawn : a century of exhibition ballroom dance / Julie Malnig
Imprint	New York : Greenwood Press, 1992
Permalink	http://maurice.bgsu.edu/record=b1825742~S9

Reviews & More

Full Details

Location	Call Number	Volume	Status
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Inn Reach: central url or courtesy card login screen

SSO Request screen if transfer from BGSU catalog to OhioLINK url:

<http://maurice.bgsu.edu:2083/record=b10793606~S0>

Start Over Save For Export MARC Format Search Ohio Back To Home Catalog

(Search History) LOCAL PAC NO bg1ug b1825742 Search

Record: [◀ Prev](#) [Next ▶](#)

Author [Malnig, Julie](#)
Title **Dancing till dawn : a century of exhibition ballroom dance / Julie Malnig**
Imprint New York : Greenwood Press, 1992



Bookmark this record as [<http://maurice.bgsu.edu:2083/record=b10793606~S0>](http://maurice.bgsu.edu:2083/record=b10793606~S0)

Library Holdings

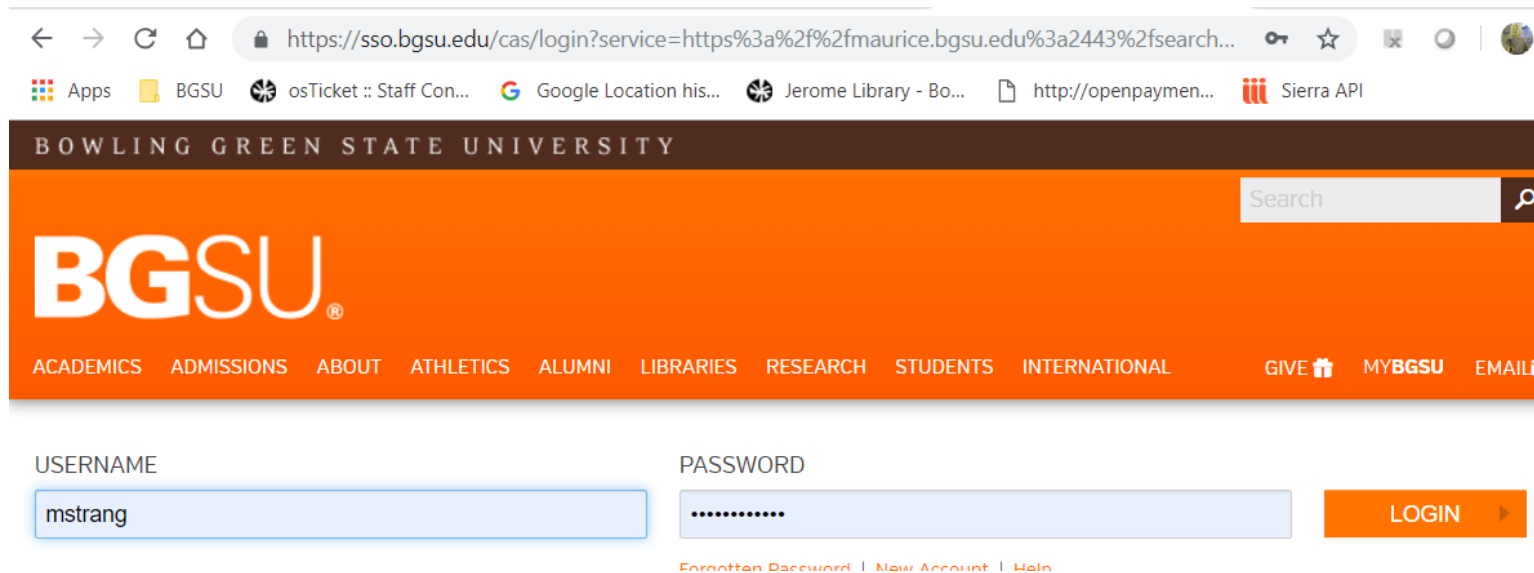
[Hide]



Inn Reach: central url or courtesy card login screen

SSO Request screen if transfer from BGSU catalog to OhioLINK url:

<http://maurice.bgsu.edu:2083/record=b10793606~S0>



The screenshot shows a web browser window with the URL <https://sso.bgsu.edu/cas/login?service=https%3a%2f%2fmaurice.bgsu.edu%3a2443%2fsearch...>. The browser's address bar and tabs are visible. The page content includes the BGSU logo and navigation menu. The login form has the following fields and elements:

- USERNAME**: Input field containing "mstrang".
- PASSWORD**: Input field containing masked characters ".....".
- LOGIN**: Orange button with a right-pointing arrow.
- Links**: "Forgotten Password", "New Account", and "Help" links.

Inn Reach: central url or courtesy card login screen

SSO Request screen if transfer from BGSU catalog to OhioLINK url:

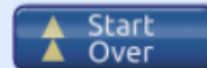
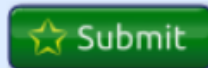
<http://maurice.bgsu.edu:2083/record=b10793606~S0>

Request Verification

Requesting **Dancing till dawn : a century of exhibition ballroom dance / Julie Malnig**

Pickup Institution:

Pickup Location:



LDAP vs Inn Reach SSO

LDAP users at our central catalog get a split screen allowing them to login using either campus credentials or their name and university barcode:

Request Verification
Requesting **Sweet water lady [videorecording] : the Marblehead Lighthouse story.**

Please log in using only one method or the other.

<p>Students, staff, and faculty:</p> <p>Use your BGSU username and password (same as MyBGSU and email) iiitest @bgsu.edu Password: <input type="password"/></p>	<p>Guests, login here:</p> <p>Your Name: <input type="text" value="mark strang"/> Courtesy Card Number (including R) <input type="text" value="*****"/></p>
---	---

Pickup Institution:
Pickup Location:

Inn Reach SSO

- Ohio University has gotten around the SSO limitation by using the LDAP split screen and javascript to pass search to SSO.
- I opened a ticket I've been told we can't duplicate this code

OhioLINK Library Catalog

[Encore Catalog](#) | [OL Home](#) | [Databases](#) | [Contact a Librarian](#)

Request Verification

Requesting **The ultimate Harry Potter and philosophy : Hogwarts for Muggles / edited by Gregory Bassham**

Students, staff, and faculty:

Students, Faculty and Staff - Login with campus identification:

To ensure logout, please close your browser window when finished making requests.

[Ohio University Login](#)


Guests, login here:

Your Name:

Ohio University PID# (without the 'P')

Pickup Institution:

Pickup Location:

 Submit

 Start Over

Inn Reach SSO / split screen

In preparing I talked with OhioLINK system admin and discovered a non ldap split screen that I hope is promising to improve.

Request Verification

Requesting **Harry Potter and the Cedarville censors : inside the precedent-setting defeat of an Arkansas book ban / Brian Meadors**

Students, staff, and faculty:

FRANKLIN students, staff, and faculty login below.

myFranklin Username:

myFranklin Password:

Guests, login here:

Your Name:

URBANA students, staff, and faculty, enter your name above and your self-service username as your password.

Urbana Community users, enter your name above and the number on your library card as your password.

Password:



Inn Reach SSO

Questions?

AWS Backup

- With Innovative Cloud backup data is via SSL encrypted channel to encrypted storage at our US-based, SAS 70/SSAE-16 certified, cloud storage partner. Obviously the off-site data transfer is implicit in any cloud backup solution.
- Innovative will maintain and perform restores according as per our disaster recovery policy as part of support see: http://csdirect.iii.com/support/support_matrix.shtml
- Partial restores not covered in the disaster recovery can be performed but might be billable.
- Backups are performed 365 days a year at the agreed time.
- Backup times can be changed by contacting Support.
- There is a requirement for network bandwidth which can be defined and throttled as not to affect the performance of the network
- Backup uses the Enterprise Backup API software. Notification via email are available after each backup if requested.
- Innovative Cloud Backup FAQ
<https://iii.rightanswers.com/portal/app/portlets/results/viewsolution.jsp?solutionid=151129063722404&page=1&position=3>

Sierra update

- Service Commitment: Sierra Maintenance Update Request
 - <https://iii.rightanswers.com/portal/app/portlets/results/viewolution.jsp?solutionid=160125103715462&page=1&position=1>
- No self updating your software to next release

CUSTOMER SUPPORTAL mstrang@bgsu.edu

HOME KNOWLEDGEBASE COMMUNITIES Ask the Community Open a Ticket

Search for answers

Service Commitment: Sierra Maintenance Update Request

Updated 2019-Jan-22 by cdiez@iii.com

★ Favorite PDF Print Share Comment

Service Form

If your Library is Hosted by Innovative or running a pre Sierra 2.0 SP2 version, this form may be used to submit your update request for the latest currently available release.

For libraries running Sierra 2.0 SP2 or higher, you should **self upgrade** via the Admin App. Please find the upgrade instructions at [Sierra 4.2 Upgrade via Secure FTP](#).

This software update will repair all issues reported as fixed in the current release.

★ **TIP:** The most current Maintenance Update for a release includes all previous updates for that release.

Did this help?

2561 views
17 voted yes

Help Desk

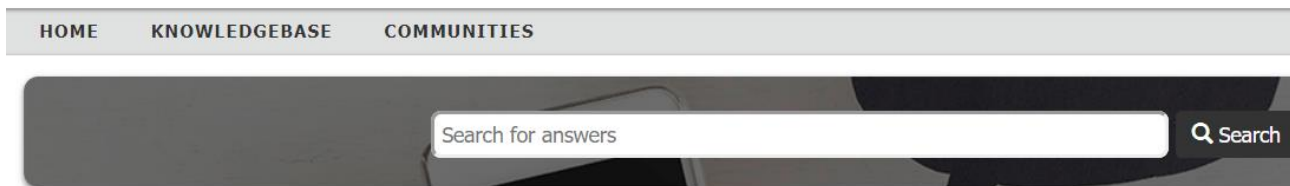


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AWS Firewall

- Service Commitment: Update SSH IP Address (III Hosted Systems)
 - Need to identify specific IP address for SQL access through iii
 - We limited Sierra Desktop Client to the BGSU domain 129.1.*.*
 - so no off-campus access unless staff use campus VPN



Service Commitment: Update SSH IP Address (III Hosted Systems)

Updated 2018-Jan-08 by jennifer.pelton@iii.com

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Service Form

Use the form below to submit a remote access IP Address range by location for SSH Access to III Hosted Systems. We will give these addresses access through our firewall.



#IUG20



Sierra SAML future

- Sierra will have SAML Identity Provider (IDP)
 - Acts as master so other software can authenticate against Sierra
 - Initial testing underway
- Sierra will not have SAML Service Provider (SP)
 - Acts as servant so your software can authenticate against campus single sign-on without additional server
 - Innovative is aware of the need to do this development, however it is not a road map at this time
 - This is what we want so additional SSO server is not necessary

Advice if just starting

- Information to get from your Partners:
- Central IT
 - Do you allow LDAP to be used by third party hosted vendors?
 - Do you allow only one login screen for all SSO requests?
 - » How many sso implementations has local current expert done?
- InnReach
 - Do you allow custom InnReach requesting screen's for local sites
 - Inn Reach admin may not be aware that Innovative added some flexibility in recent years

Advice if just starting

- Identify the comfort level of Central IT for having a Virtual Machine with root, iiroot, and outside vendor 24/7 access
- Budget in plenty of time to get your new Master License Agreement worked out between your legal office and Innovative
- Identify in advance if your Central IT will let you use LDAP on hosted servers.
(Much better user experience for Inn Reach central catalog, and cheaper since no SSO server!)
- If go SSO, perhaps put SSO software onto a newly named server and then develop a split screen from application server for patrons who login
 - Will have dual url bookmarks for catalog
 - The method we used gives faculty a simple way to copy SSO url's into Learning Management System Courses (Canvas)
- Encourage Innovative to completely integrate new products with Inn Reach from the beginning

Thankyou!

Questions?

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