



Learning Stream Single Sign-On Overview

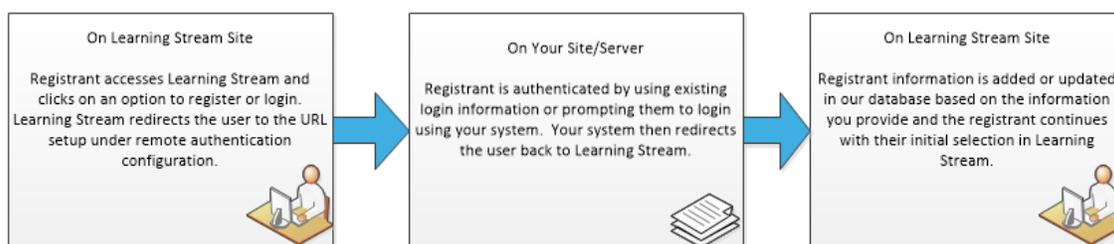
Learning Stream offers single sign-on functionality for both registrants and instructors. Registrants can do this via SAML or our generic Remote Authentication process. Instructors can authenticate using our SAML configuration. This process can be mandatory, with an automatic redirect from our login pages to the authentication destination, or optional, where the user can choose between logging in with their Learning Stream credentials or clicking a button to initiate an SSO process.

Learning Stream SAML Method

Configuring Learning Stream with SAML requires an exchange of your identity provider metadata and our service provider metadata. Your implementation contact will put you in touch with a member of the development team to facilitate this setup process.

Learning Stream Remote Authentication Method (registrants only)

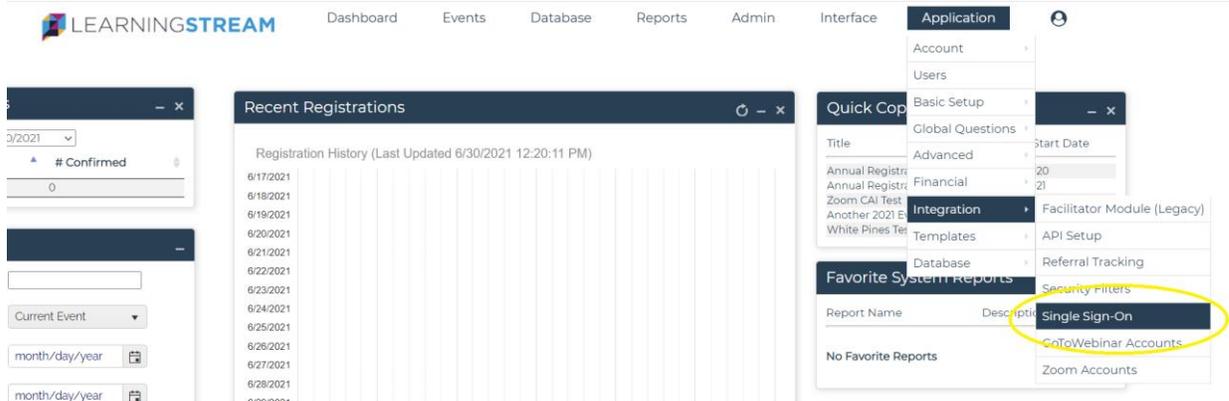
Using Learning Stream Remote Authentication provides the ability to redirect registrants to secure, remote web pages hosted on your website for identification purposes. When a registrant accesses their account via the cart, RAM module or an individual event, the registrant is automatically redirected to a web page which you specify. This page should be designed to collect and/or validate registrant authentication information. Once validated, the registrant is redirected back to a secure page on Learning Stream's website. Registrant information is passed back to Learning Stream via a secure HTTPS post that is configured within Learning Stream's administration tool. See additional details later in the document (Creating a Remote Authentication Endpoint).



Getting Started

Select your single sign-on method in your Learning Stream account. **Keep in mind that when you enable this option, all registrants will be redirected to the identity server or your remote authentication site unless you have elected to make single sign-on optional.** If you are adding single sign-on to an existing account or changing the method you are using, a member of the development team will work with you to verify the authentication process in a test environment prior to applying it to your live environment.

To setup single sign-on, click on: Application > Integration > Single Sign-On in your Learning Stream account.



The screenshot shows the LearningStream application interface. The top navigation bar includes: Dashboard, Events, Database, Reports, Admin, Interface, and Application. The 'Application' menu is open, showing a list of options: Account, Users, Basic Setup, Global Questions, Advanced, Start Date, Annual Registrations, Financial, 20, Zoom CAI Test, Another 2021 E, White Pines Test, Integration, Facilitator Module (Legacy), Templates, API Setup, Database, Referral Tracking, Favorite System Reports, Security Filters, Report Name, Description, Single Sign-On, GoToWebinar Accounts, and Zoom Accounts. The 'Single Sign-On' option is highlighted with a yellow circle.

For both Registrant and Instructor SSO setup, configuration consists of two primary objectives

1. Configuring how to communicate with the identity server and how the SSO workflow should work.
2. Determining what attributes will be returned from the identity server and how those attributes should be read, and then mapped, to your setup in Learning Stream.

Registrant Identity Server Configuration

i Registrant Access

i Instructor Access

Registrant Access - Single Sign-On Setup

Save Changes

Description	Value
Single Sign-On Method	<input type="radio"/> None <input type="radio"/> Learning Stream Remote Authentication <input checked="" type="radio"/> SAML
Identity Provider Entity ID	<input type="text" value="http://www.okta.com/exkzkiveppMYyBybd3"/>
IP Security Filter	<input type="text" value="--None--"/>
RAM Logout URL	<input type="text"/>
<input checked="" type="checkbox"/> Remote Authentication Optional	
Remote Authentication Button Text	<input type="text" value="Login with SSO"/>

Field Description	Mapping (Posted Field Name)
<input checked="" type="checkbox"/> Registrant ID	<input type="text" value="registrant_id"/>
<input type="checkbox"/> Parent ID	<input type="text" value="parent_id"/>
<input type="checkbox"/> Proxy Parent	<input type="text" value="proxy_parent"/>
<input checked="" type="checkbox"/> First Name	<input type="text" value="first_name"/>
<input type="checkbox"/> Middle Name	<input type="text" value="middle_name"/>
<input checked="" type="checkbox"/> Last Name	<input type="text" value="last_name"/>
<input type="checkbox"/> Email Address	<input type="text" value="email_address"/>
<input type="checkbox"/> Phone Number	<input type="text" value="phone_number"/>
<input type="checkbox"/> Address Line 1	<input type="text" value="address_line1"/>
<input type="checkbox"/> Address Line 2	<input type="text" value="address_line2"/>
<input type="checkbox"/> City	<input type="text" value="city"/>

Single Sign-On Method

- None – Registrants use their existing Learning Stream credentials to access the application.
- Learning Stream Remote Authentication – Customer develops their own custom authentication site to authenticate a user against their Learning Stream account.
- SAML – Authenticate a Learning Stream user against a customer’s identity server using SAML.

Remote Authentication URL / Identity Provider Entity ID – When using Remote Authentication, this field represents the destination to send the registrant to for authentication. When using SAML, this represents the reference to your identity server.

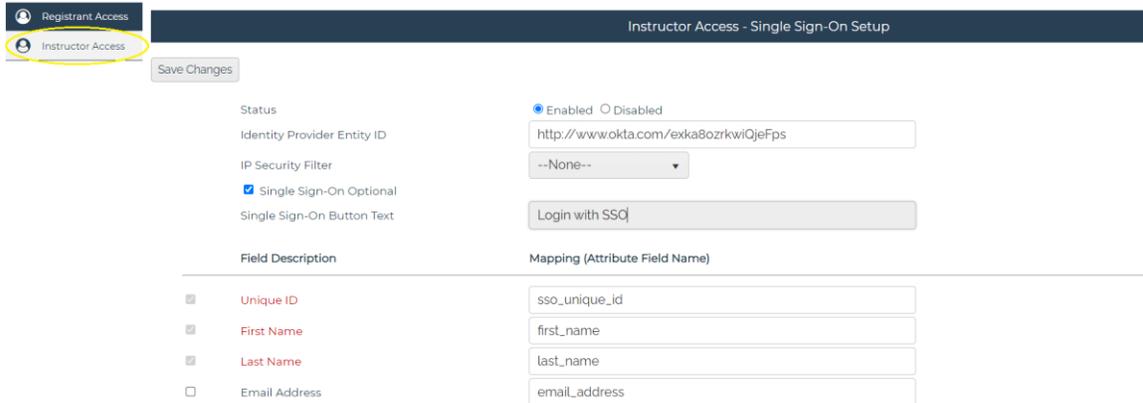
IP Security Filter – Optional security setting to restrict the IP address, or range of IP addresses, that Learning Stream should accept single sign-on responses from.

RAM Logout URL – Optional destination to direct the user to when they logout of the Registrant Access Module.

Single Sign-On Optional – When this setting is checked, the user will remain on the Learning Stream login page and the registrant can initiate the SSO process by clicking a button. When this setting is turned off, the registrant will be automatically redirected to the SSO authentication destination.

Single Sign-On Button Text – The text that will be displayed on the button that initiates an SSO process when the “Single Sign-On Optional” setting is checked.

Instructor Identity Server Configuration



Registrant Access | **Instructor Access** | Instructor Access - Single Sign-On Setup

Save Changes

Status: Enabled Disabled

Identity Provider Entity ID:

IP Security Filter:

Single Sign-On Optional

Single Sign-On Button Text:

Field Description	Mapping (Attribute Field Name)
<input checked="" type="checkbox"/> Unique ID	<input type="text" value="sso_unique_id"/>
<input checked="" type="checkbox"/> First Name	<input type="text" value="first_name"/>
<input checked="" type="checkbox"/> Last Name	<input type="text" value="last_name"/>
<input type="checkbox"/> Email Address	<input type="text" value="email_address"/>

Status

- Enabled – Instructors access the application by authenticating against a customer’s identity server.
- Disabled – Instructors use their existing Learning Stream credentials to access the application.

Identity Provider Entity ID –The reference to your identity server.

IP Security Filter – Optional security setting to restrict the IP address, or range of IP addresses, that Learning Stream should accept single sign-on responses from.

Single Sign-On Optional – When this setting is checked, the user will remain on the Learning Stream login page and the registrant can initiate the SSO process by clicking a button. When this setting is turned off, the registrant will be automatically redirected to the SSO authentication destination.

Mapping User Attributes

To authenticate a user, Learning Stream must at minimum receive a unique identifier, first name and last name. If those values match an existing user record, Learning Stream will update the record based on the values provided. If no record is found, the authentication process will create a new record for that user in Learning Stream (registrant SSO only, new instructors must be created through the administrator module). Under SAML, these values will be read from the user attributes. For Remote Authentication, they will be read from the post back from your authentication page. In the configuration pages shown above, note the Mapping section with



the field description and mapping name. The field description represents the logical name for that field's value in Learning Stream, the mapping name indicates the name of the field that should be read either from your SAML attributes or Remote Authentication form post. Depending on your business needs, you may send the minimum required fields simply for the purpose of authentication, or you may wish to map additional fields as a means for updating your Learning Stream record with values from the user record in your organization. Sending over additional user data will require careful coordination between the Learning Stream administrator, your Learning Stream implementation representative, and the member of your organization responsible for the user data provided by your authentication source.

For example, if user data such as a department or job title is needed, the Learning Stream administrator would need to coordinate with the individual who maintains that data in their organization to ensure that the list of values Learning Stream will receive for department or job title matches the values established within their Learning Stream account. Your Learning Stream implementation representative can assist with how to create those custom fields and associate them with your user record in Learning Stream.

Creating a Remote Authentication Endpoint

If you elect to develop your own remote authentication endpoint to integrate with Learning Stream, it will need to adhere to the following guidelines.

What We Send You

When Learning Stream redirects the user to your site for authentication we will post a field to your page using an HTTPS Post. The field name is "learningstream_data" and it contains a time based secure token that you will need to post back to along with the registrant information. Post the token back to us using the same field name "learningstream_data".

Minimum Required Response Data

The following is the minimum information we expect to see in the HTTPS post back to Learning Stream.

Field	Type	Description
learningstream_data	String	Secure token posted to your page by Learning Stream
registrant_id	String (max 100)	Unique id for the registrant
first_name	String (max 50)	Registrant first name
last_name	String (max 50)	Registrant last name

Optional Data

Additional information (like email address, street address, etc.) can be provided as needed



based on the setup in Learning Stream described above.

Where to Send Your Response

Post your HTTP response back to the following URL:

https://reg.learningstream.com/reg/reg_ra27a.aspx