Integrating Rosetta Stone® Catalyst via SAML 2.0

Use this document to help configure your learning management system (LMS) to enable a Single Sign-On (SSO) with Rosetta Stone using the SAML 2.0 specification. The SSO simplifies the integration of Rosetta Stone Catalyst with your LMS, both for web apps and mobile apps.

Because the process varies by LMS and from client to client, this document is intended for LMS administrators and SAML Identity Provider personnel and is simply an overview of the process. For additional instructions about SAML 2.0 and your LMS, contact your LMS provider and your IT department.

- Before you start, contact your IT department to inform them of your desire to implement a SAML 2.0-based SSO.

- After consultation with your IT department (and your LMS provider if advisable) to determine who the Identity Provider (IdP) will be, please send Rosetta Stone your IdP metadata XML for SAML 2.0 authentication.

- Rosetta Stone sends you its Service Provider (SP) metadata XML for SAML 2.0 authentication.

- Course configuration in the LMS:
  1. If you want i) a limited set of languages of study available to learners, ii) manager approval based on a specific language or iii) language of study in LMS reports, the LMS should have a course per language of study for a total of up to 24 Rosetta Stone courses.
  2. Alternatively, you can create 1 language-agnostic course in the LMS. Learners will be prompted to select language of study after landing in Catalyst for the first time.

- Rosetta Stone supports both IdP initiated authentication and SP initiated authentication.
  1. IdP initiated requires 2 or 3 Rosetta Stone-specific data elements in the RelayState, based on whether it is a language-agnostic configuration. Here are examples:

```
8fg1f042-0ab6-4ea4-bf78-97683ef7a5df,en-US,salesPackage.11215b5f-1e8a-427a-9cda-8925b10a179e
8fg1f042-0ab6-4ea4-bf78-97683ef7a5df,,salesPackage.11215b5f-1e8a-427a-9cda-8925b10a179e
```

In IdP initiated authentication, the client IdP administrator will produce any SSO URLs.

2. For SP initiated, Rosetta Stone will provide the SSO URLs. Here are examples:

```
https://login.rosettastone.com/#/ssologin?clientId=8fg1f042-0ab6-4ea4-bf78-97683ef7a5df&targetLanguage=en-US&saproPackageId=salesPackage.11215b5f-1e8a-427a-9cda-8925b10a179e
https://login.rosettastone.com/#/ssologin?clientId=8fg1f042-0ab6-4ea4-bf78-97683ef7a5df&saproPackageId=salesPackage.11215b5f-1e8a-427a-9cda-8925b10a179e
```

If you create 1 language-agnostic course, then the RelayState and SSO URL would not include any value for the targetLanguage element.
The SSO enables automatic:

- Creation of learner and administrator user accounts in the Rosetta Stone Administrator Tools for new users,
- Assignment of licenses to users,
- Seamless and authenticated access for your learners and administrators from your LMS to the Rosetta Stone Catalyst product.
- Authenticated access for your learners directly into Rosetta Stone mobile apps.

We need to jointly review which attributes should be included in assertions beyond just a unique identifier, first name, last name and email address. There are 6 user fields in the Rosetta Stone Administrator Tools that can be used for additional attributes.

If you want a CSV report transmitted by Rosetta Stone back to the LMS on a scheduled basis via SFTP, Rosetta Stone can execute that. The default frequency is daily, but you can choose a different interval if desired. An example of the CSV report can be provided.

If your LMS accepts xAPI statements for course completion, Rosetta Stone can configure those to be transmitted to your LMS. Course completion is based on hours of usage thresholds. Please note that a single language of a study could have multiple course completions.

If you have pre-existing Rosetta Stone users, we will need a list of those users with their unique identifiers from the IdP prior to going live with the SSO in order to update their user accounts on the Rosetta Stone end. Once that is done, when users access Catalyst via the SAML-based SSO, they are recognized as returning users rather than as new users. We can provide the list of pre-existing users without the IdP unique identifiers to your and/or LMS provider to use as the basis for the list that is returned to Rosetta Stone.

You should plan to provide Rosetta Stone with one user account enrolled in a Catalyst course during the implementation phase to assist with the configuration process.

Additional information on the SAML 2.0 specification can be found here.

Need more help?

- For instructions on how SAML 2.0 is supported with your LMS, check with your IT department, and with your LMS provider if advisable.
- For other questions, contact Rosetta Stone Product Support at https://support.rosettastone.com.