Identity provider configuration

The SAML standard means that a wide range of identity providers will work with our ConcreteCMS SAML Service provider .

In Identity provider (IdP) side, configuration instructions will vary depending on the vendor, as an administrator please refer to the Identity provider vendor-specific documentation for details. It may have relevant documentation and it may be generic SAML documentation, or specifically targeted for specific Service provider.

List of some of the Identity Providers with links refer to its official documentation to configure a SAML integration.:

- Auth0
- ADFS (Active Directory Federation Services)
- OneLogin
- Okta
- Salesforce
- SecureAuth
-

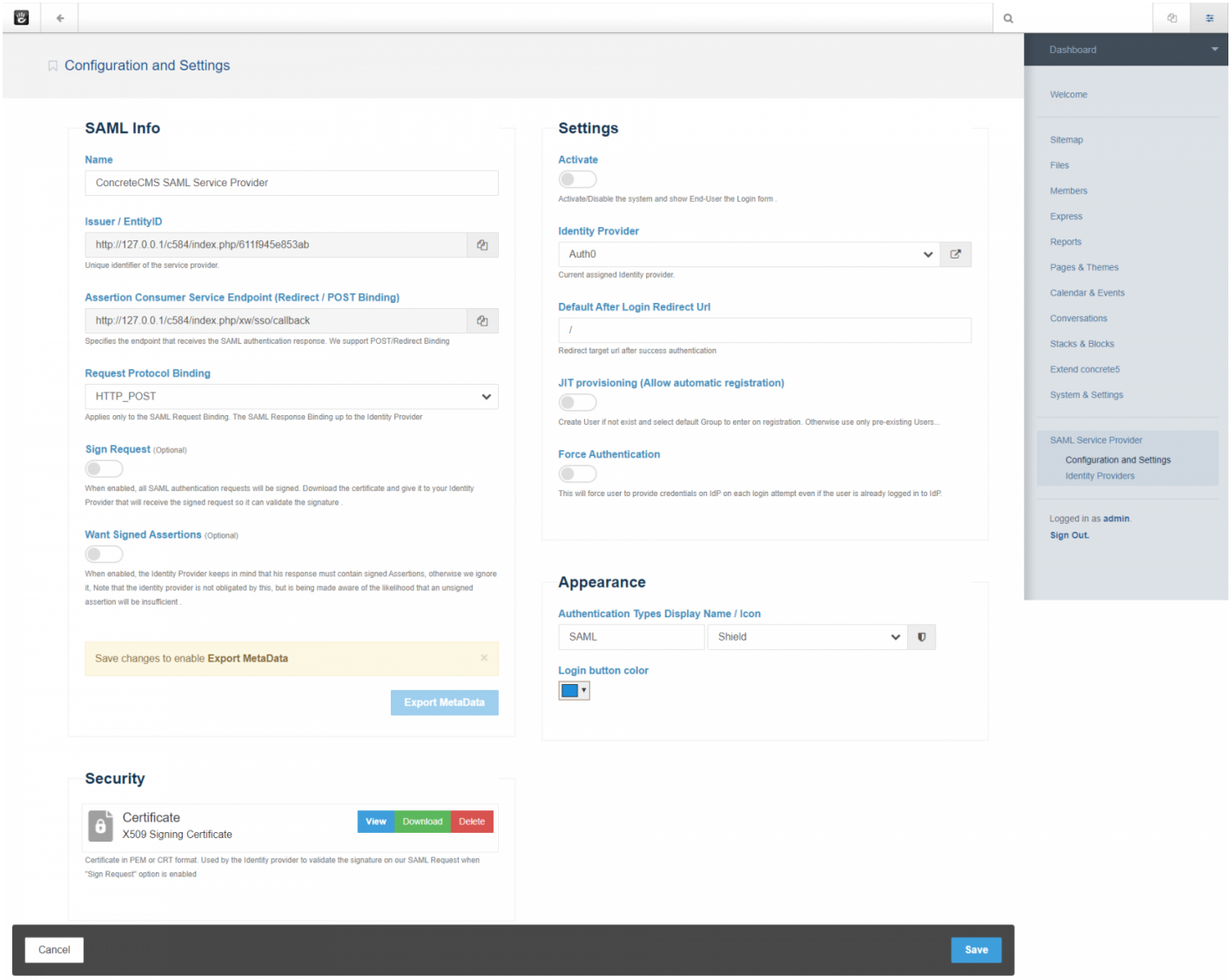
Centrify

- simpleSAMLphp

When configuring your identity provider, please consider the notes below to help avoid common issues and as a guide for terminology used .

Our ConcreteCMS SAML Service provider needs to provide some informations to the Identity Provider .

Go to " *Dashboard > SAML Service Provider > Configuration and Settings* " page .



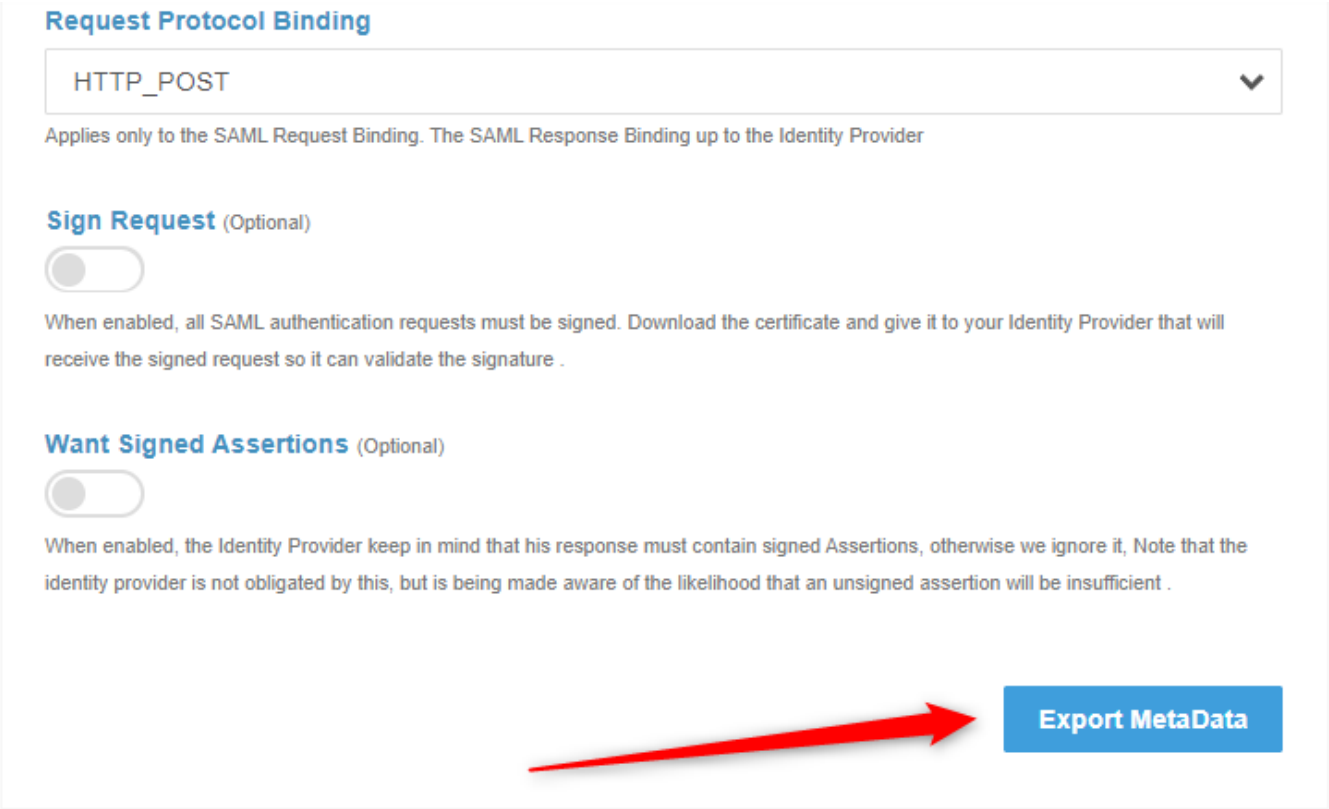
Add the SAML informations on this page to the Identity Provider (IdP) administration side page so the tenant knows how to receive and respond to our SAML authentication requests.

If the IdP supports uploading a Metadata file, you can simply provide the file obtained in the step below.

> SAML Metadata file is the standard format for exchanging configuration information between SAML service provider and the Identity provider . SAML metadata is supplied to partner Identity providers so they can update their configuration .

Click ***Export Metadata*** button in the bottom of ***SAML Info*** section to download an XML file of your SAML configuration settings to send to your Identity provider .

> You must **Save** new changes to enable **Export** again If you already change some values .



The Identity provider can then upload these configuration settings to connect to our SAML Service provider package .

If the IdP does not support uploading a Metadata file, you can configure it manually as follows. You will need to use some of this informations from this screen to configure it .

Recipient	*Typically the same value as our **Entity ID / Issuer*** *This value is not required for all integrations.*
Audience	*Typically same value as our **Assertion Consume Service (ASC) Endpoint*** *This value is not required for all integrations.*
SAML Offset Minutes	*Set to make up for time differences between devices.* *This value is prepopulated. It is generated by the system : 5 minutes.*

Our service provider (SP) requires certain attribute information to be received from the IDP when a user signs in using SAML logins. The **NameID** attribute is mandatory and must be sent by your IDP in the SAML response to make the federation with ConcreteCMS work. Since Our SP uses the value of **NameID** to uniquely identify a named user, it is recommended that you use a **Email** format value.

> The IdP needs to pass certain information in order for our SP to either create an account, or match the login information to an existing account. **Email** is the minimum amount of information that needs to be passed. If the IdP is not providing this information, all SAML requests fail. Make sure this information is provided.

> We automatically uses the SAML **NameID** to identify users in ConcreteCMS . We recommend setting and configure your IdP so that **NameID** format is **Email Address** .

> We specifies `urn:oasis:names:tc:SAML:1.1:nameid-format:emailAddress` for the format of the **NameIDPolicy**

in assertion requests.

At a minimum, If there is no **NameID** element with **Email Address** Format, the user's email address must be specified as an Assertion Attribute. The name of the Attribute that specifies user email address must be configured as **email** or **mail** or **http://schemas.xmlsoap.org/ws/2005/05/identity/claims/emailaddress**

Contact the administrator of the identity provider if you need help determining which source of metadata information you need to provide.

No matter what **Request Binding** you select, the SAML response up to Identity provider side configuration . We currently support **POST** and **Redirect** Binding fror SAML response .

Most **Identity providers** requires at least the following : **Assertion Consume Service (ASC) Endpoint .**

Requests and responses must conform to the SAML protocols for exchanging information .

Your IdP must support SAML 2.0 to connect with our ConcreteCMS SAML service provider .

Some I*dentity providers* cannot accept a signed *authentication request (when **Sign Request** option is enabled) .*

***Sign Request** is optional. Some Idps does not validate signed authentication requests even a signature is present.*

If the **Want Assertion Signed** flag is set and neither the SAML response nor SAML assertion is
signed or the signature cannot be verified, this is considered an error .

However, certain changes in the Service provider will impact your SAML configuration. If any of these changes occur, the metadata is automatically updated on your SP side, but you will need to update the information on the Identity Provider side so that message exchange can occur successfully.

> As always with **SAML2**, you can't expect all **Idps** to support everything. you have to test if your Idp supports some required options

Many SAML terms can vary between providers. It is possible that the information you are looking for is listed under another name. For more information, start with your identity provider’s documentation. Look for their options and examples to see how they configure SAML. This can provide hints on what you’ll need to configure our Service provider to work with these providers.

The following articles outline configuration instructions for four common third-party Identity providers:

- Configuring **Auth0** SAML Identity provider
- Configuring **OneLogin** SAML Identity provider
- Configuring **Keyloak** SAML Identity provider

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