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Ping Identity SAML Implementation

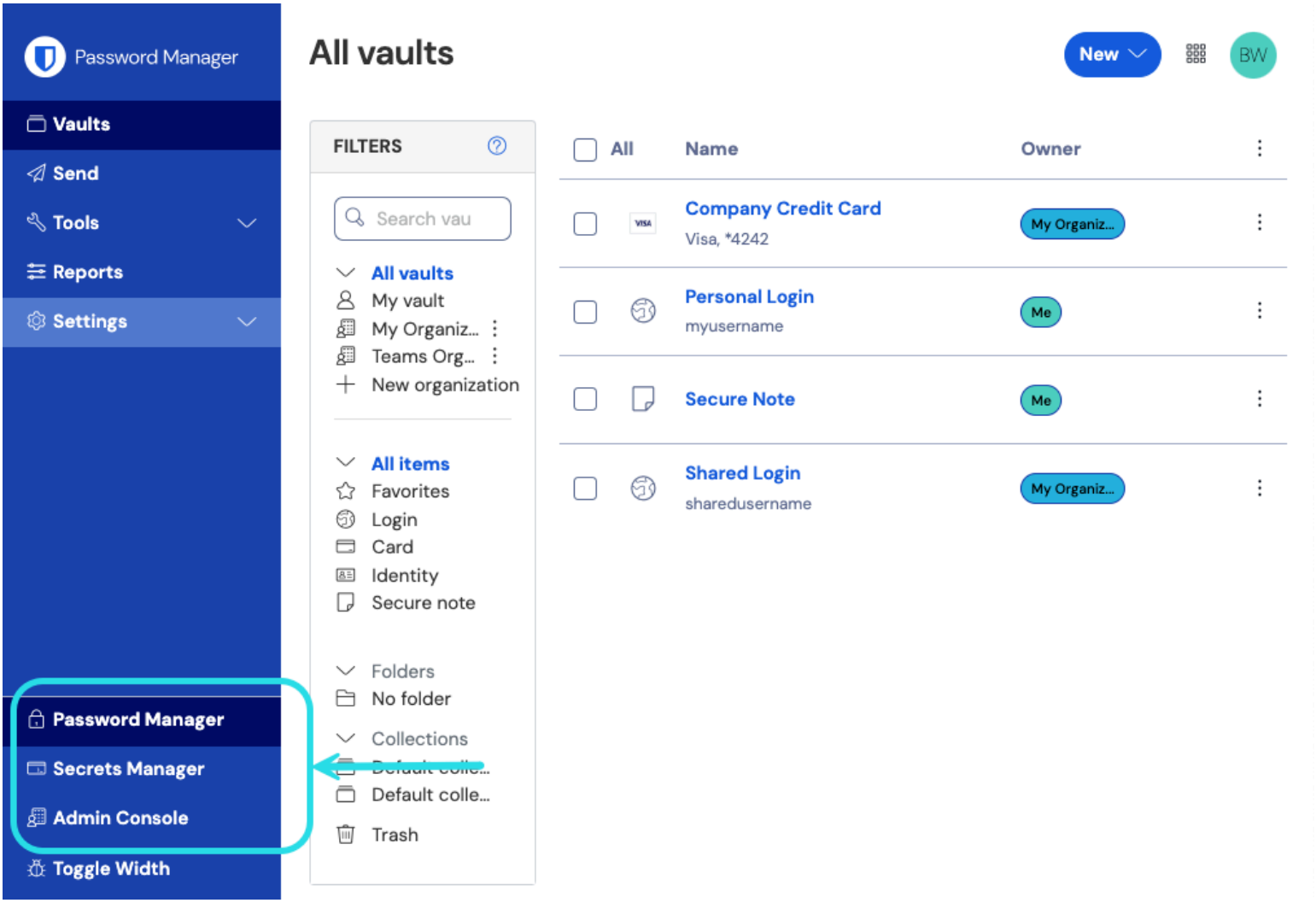
Ping Identity SAML Implementation

This article contains **Ping Identity-specific** help for configuring login with SSO via SAML 2.0. For help configuring login with SSO for another IdP, refer to SAML 2.0 Configuration.

Configuration involves working simultaneously with the Bitwarden web app and the Ping Identity Administrator Portal. As you proceed, we recommend having both readily available and completing steps in the order they are documented.

Open SSO in the web app

Log in to the Bitwarden web app and open the Admin Console using the product switcher:



commutateur-de-produit

Open your organization's **Settings** → **Single sign-on** screen:

Configuration SAML 2.0

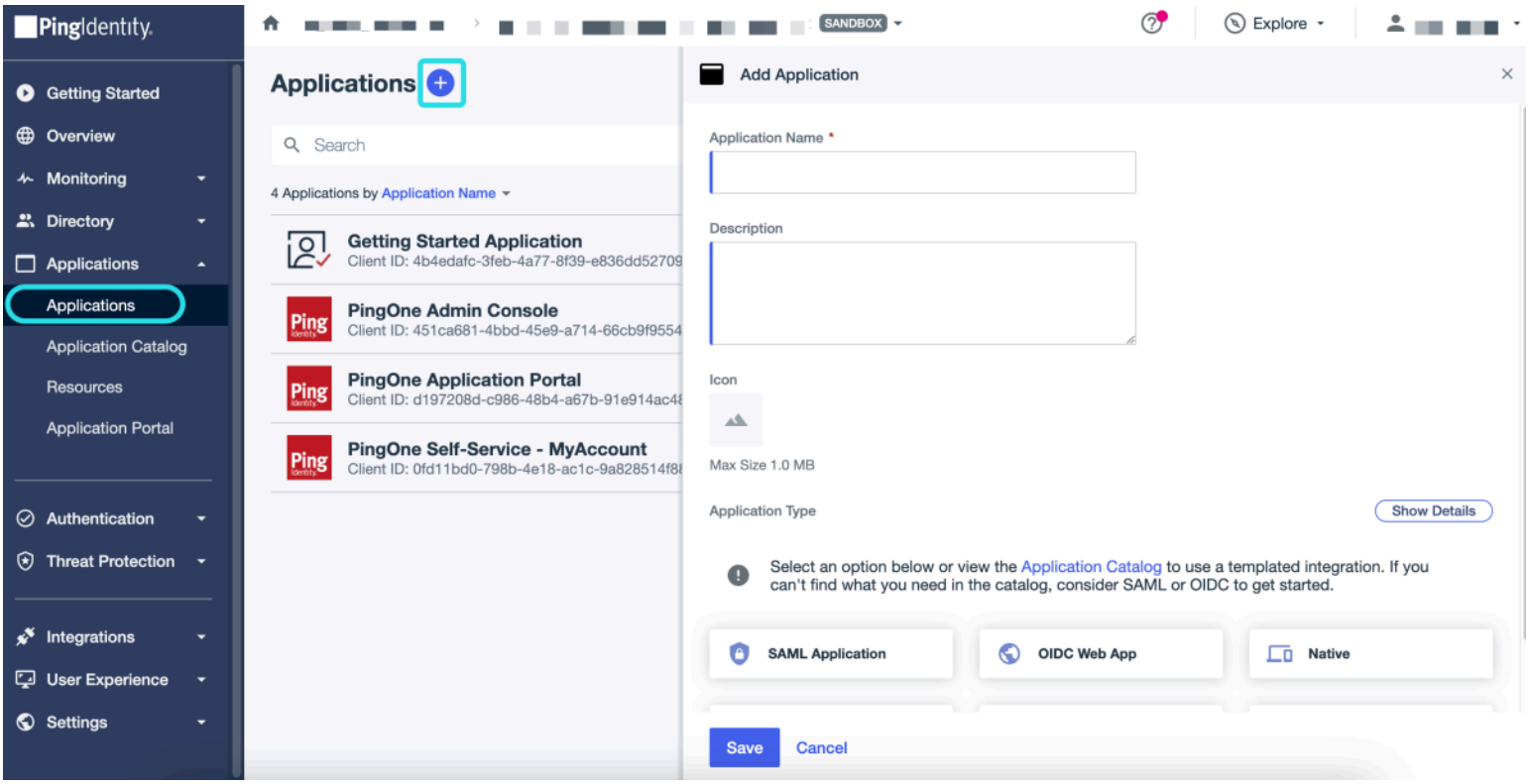
If you haven't already, create a unique **SSO identifier** for your organization and select **SAML** from the the **Type** dropdown. Keep this screen open for easy reference.

You can turn off the **Set a unique SP entity ID** option at this stage if you wish. Doing so will remove your organization ID from your SP entity ID value, however in almost all cases it is recommended to leave this option on.

> **Tip**
>
> Il existe des options alternatives de **décryptage des membres**. Apprenez comment commencer à utiliser SSO avec des appareils de confiance ou Key Connector.

Create SAML app

In the Ping Identity Administrator Portal, select **Applications** and the ⊕Icon at the top of the screen to open the **Add Application** screen:



Ping Identity Add Application

1. Enter a Bitwarden Specific name in the **Application Name** field. Optionally add desired description details as needed.

2. Select the **SAML Application** option and then **Configure** once you have finished.

3. On the **SAML Configuration** screen select **Manually Enter**. Using the information on the Bitwarden single sign-on screen, configure the following fields::

Field	Description
ACS URL	Set this field to the pre-generated **Assertion Consumer Service (ACS) URL**. This automatically-generated value can be copied from the organization's **Settings** → **Single sign-on** screen and will vary based on your setup.
Entity ID	Set this field to the pre-generated **SP Entity ID**. This automatically-generated value can be copied from the organization's **Settings** → **Single sign-on** screen and will vary based on your setup.

Select **Save** to continue.

Back to the web app

At this point, you have configured everything you need within the context of the Ping Identity Administrator Portal. Return to the Bitwarden web app to complete configuration.

The Single sign-on screen separates configuration into two sections:

- **SAML service provider configuration** will determine the format of SAML requests.
- **SAML identity provider configuration** will determine the format to expect for SAML responses.

Service provider configuration

Configure the following fields according to the information provided in the Ping Identity app **Configuration** screen:

Field	Description
Name ID Format	Set this field to the **Subject Name ID Format** specified in the Ping Identity app configuration.
Outbound Signing Algorithm	The algorithm Bitwarden will use to sign SAML requests.
Signing Behavior	Whether/when SAML requests will be signed.
Minimum Incoming Signing Algorithm	By default, Ping Identity will sign with RSA SHA-256. Select `sha-256` from the dropdown.
Expect signed assertions	Whether Bitwarden expects SAML assertions to be signed. This setting should be **unchecked**.
Validate Certificates	Check this box when using trusted and valid certificates from your IdP through a trusted CA. Self-signed certificates may fail unless proper trust chains are configured with the Bitwarden Login with SSO docker image.

When you are done with the service provider configuration, **Save** your work.

Identity provider configuration

Identity provider configuration will often require you to refer back to the Ping Identity Configuration screen to retrieve application values:

Field	Description
Entity ID	Set this field to the Ping Identity application's **Entity ID**, retrieved from the Ping Identity Configuration screen.
Binding Type	Set to **HTTP POST** or **Redirect**.
Single Sign On Service URL	Set this field to the Ping Identity application's **Single Sign-on Service** url, retrieved from the Ping Identity Configuration screen.
Single Log Out URL	Login with SSO currently **does not** support SLO. This option is planned for future development, however you may pre-configure it if you wish.

X509 Public Certificate	Paste the signing certificate retrieved from the application screen. Navigate to the **Configuration** tab and **Download Signing Certificate**.
	
	`-----BEGIN CERTIFICATE-----`
	
	and
	
	`-----END CERTIFICATE-----`
	
	The certificate value is case sensitive, extra spaces, carriage returns, and other extraneous characters **will cause certification validation to fail**.

Outbound Signing Algorithm	By default, Ping Identity will sign with RSA SHA-256. Select `sha-256` from the dropdown.
Disable Outbound Logout Requests	Login with SSO currently **does not** support SLO. This option is planned for future development.
Want Authentication Requests Signed	Whether Ping Identity expects SAML requests to be signed.

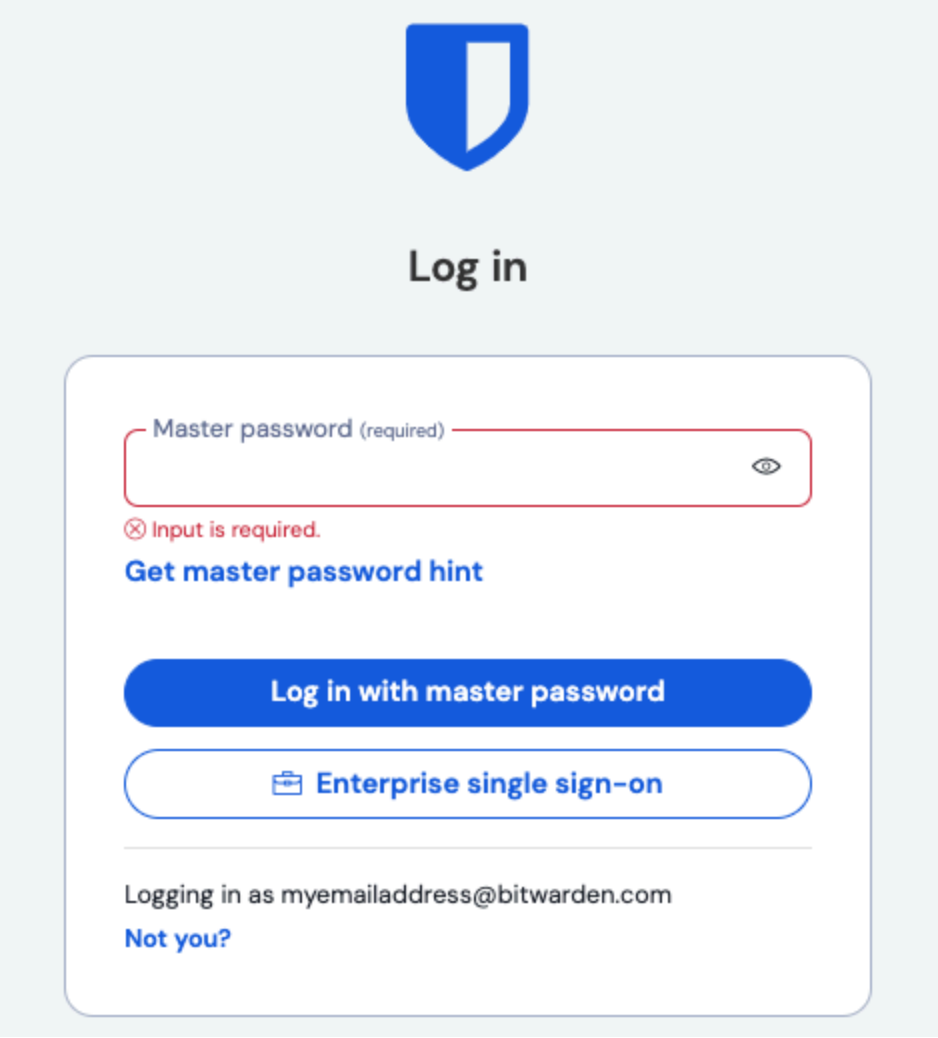
> **Note**
>
> Lors de la complétion du certificat X509, prenez note de la date d'expiration. Les certificats devront être renouvelés afin d'éviter toute interruption de service pour les utilisateurs finaux de SSO. Si un certificat a expiré, les comptes Admin et Propriétaire pourront toujours se connecter avec l'adresse de courriel et le mot de passe principal.

When you are done with the identity provider configuration, **Save** your work.

> **Tip**
>
> Vous pouvez exiger que les utilisateurs se connectent avec SSO en activant la politique d'authentification à connexion unique. Veuillez noter que cela nécessitera également l'activation de la politique de sécurité de l'organisation unique. En savoir plus.

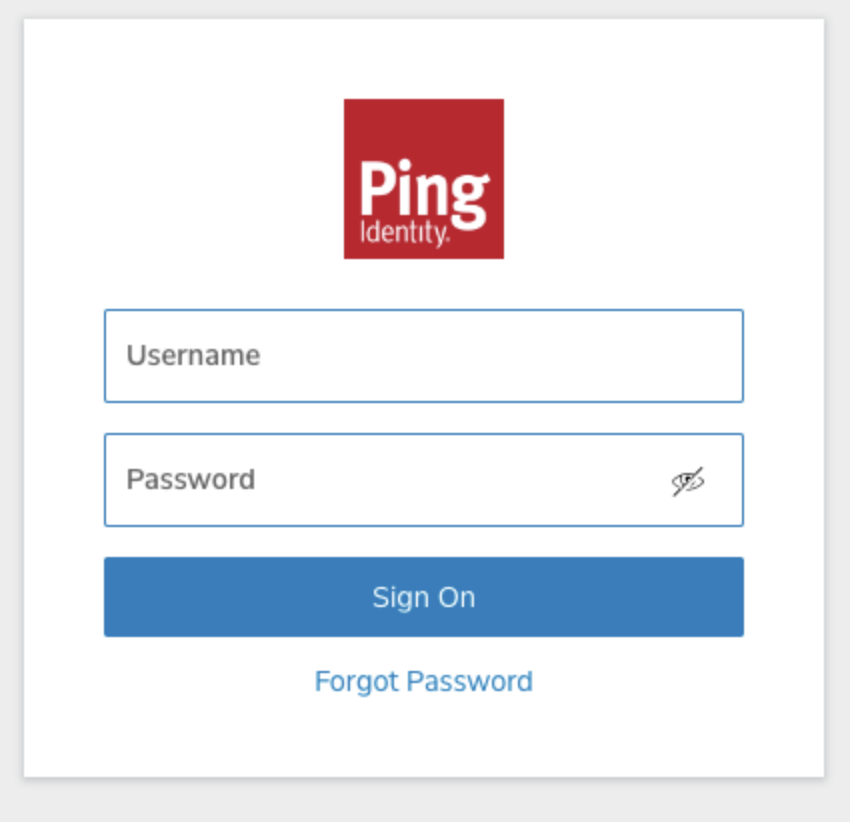
Test the configuration

Once your configuration is complete, test it by navigating to https://vault.bitwarden.com, entering your email address, selecting **Continue**, and selecting the **Enterprise single sign-on** button:



Connexion unique d'entreprise et mot de passe principal

Enter the configured organization identifier and select Log in. If your implementation is successfully configured, you will be redirected to the Ping Identity login screen:



Ping Identity SSO

After you authenticate with your Ping Identity credentials, enter your Bitwarden master password to decrypt your vault!

> **Note**
> Bitwarden ne prend pas en charge les réponses non sollicitées, donc l'initiation de l'identifiant à partir de votre IdP entraînera une erreur. Le flux d'identifiant SSO doit être initié à partir de Bitwarden.

Next steps

- Educate your organization members on how to use login with SSO.