bitwarden | Help Center Article

ADMIN CONSOLE › LOGGA IN MED SSO

OIDC Configuration

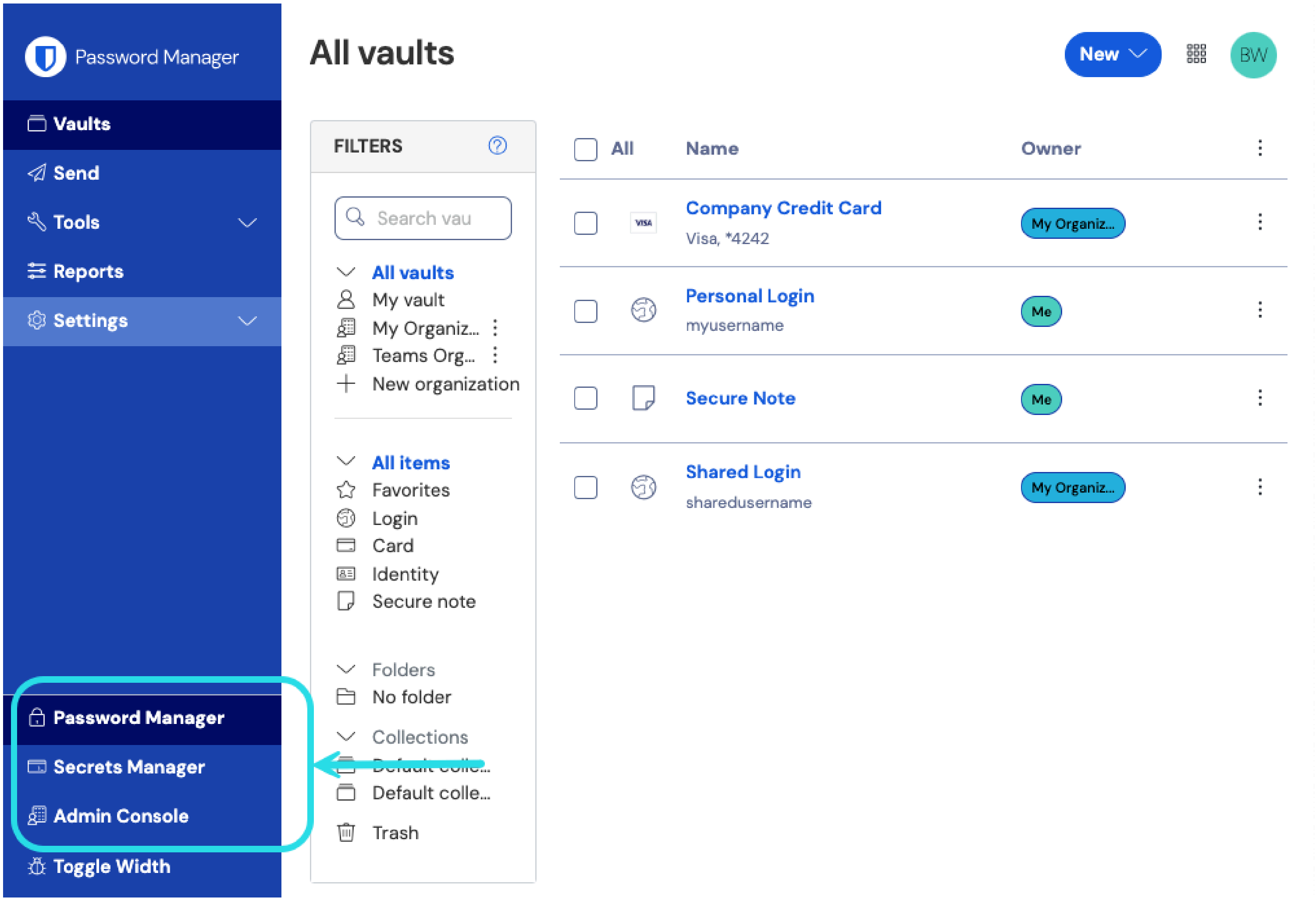
View in the help center:
https://bitwarden.com/help/configure-sso-oidc/

OIDC Configuration

Step 1: Set an SSO identifier

Users who authenticate their identity using SSO will be required to enter an **SSO identifier** that indicates the organization (and therefore, the SSO integration) to authenticate against. To set a unique SSO Identifier:

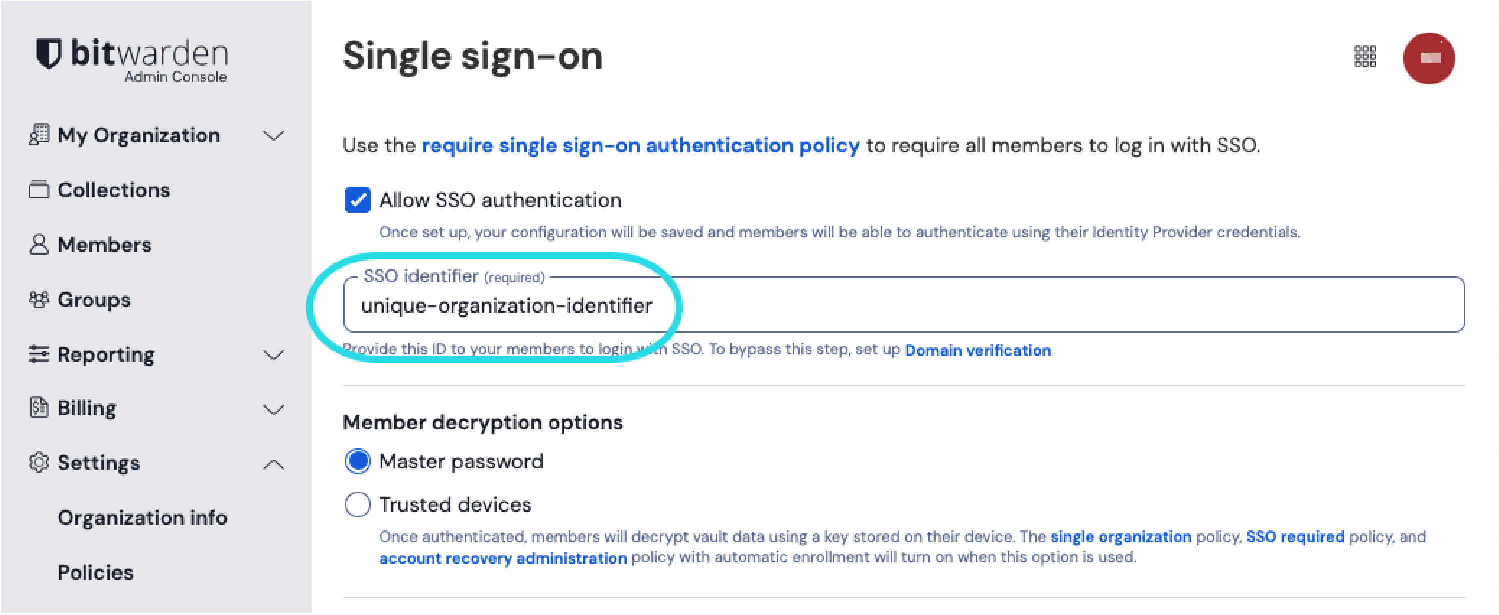
1. Log in to the Bitwarden web app and open the Admin Console using the product switcher:



All	Name	Owner
□	Company Credit Card Visa, *4242	My Organiz...
□	Personal Login myusername	Me
□	Secure Note	Me
□	Shared Login sharedusername	My Organiz...

Product switcher

2. Navigate to **Settings → Single sign-on**, and enter a unique **SSO Identifier** for your organization:



Single sign-on

Use the **require single sign-on authentication policy** to require all members to log in with SSO.

☑ Allow SSO authentication

Once set up, your configuration will be saved and members will be able to authenticate using their Identity Provider credentials.

SSO identifier (required): unique-organization-identifier

Provide this ID to your members to login with SSO. To bypass this step, set up **Domain verification**

Member decryption options

● Master password

○ Trusted devices

Once authenticated, members will decrypt vault data using a key stored on their device. The **single organization** policy, **SSO required** policy, and **account recovery administration** policy with automatic enrollment will turn on when this option is used.

Enter an identifier

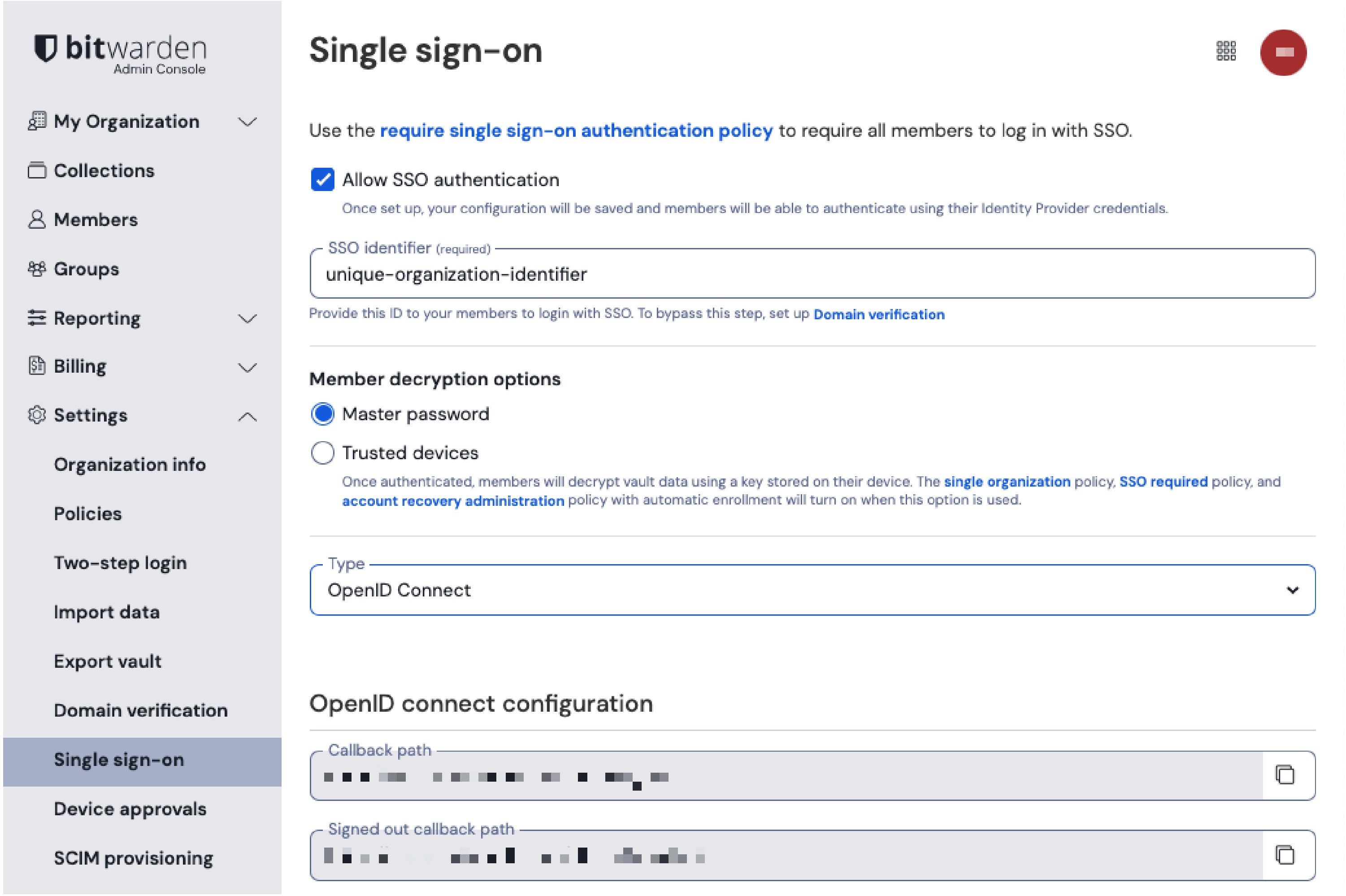
3. Proceed to **Step 2: Enable login with SSO**.

> **Tip**
>
> You will need to share this value with users once the configuration is ready to be used.

Step 2: Enable login with SSO

Once you have your SSO identifier, you can proceed to enabling and configuring your integration. To enable login with SSO:

1. On the **Settings → Single sign-on** view, check the **Allow SSO authentication** checkbox:



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Type: OpenID Connect

OpenID connect configuration

Callback path: [redacted]

Signed out callback path: [redacted]

OIDC configuration

2. From the **Type** dropdown menu, select the **OpenID Connect** option. If you intend to use SAML instead, switch over the the SAML Configuration guide.

> **Tip**
>
> There are alternative **Member decryption options**. Learn how to get started using SSO with trusted devices or Key Connector.

Step 3: Configuration

From this point on, implementation will vary provider-to-provider. Jump to one of our specific **implementation guides** for help completing the configuration process:

Provider	Guide
Azure	Azure Implementation Guide

Provider	Guide
Okta	Okta Implementation Guide

Configuration reference materials

The following sections will define fields available during single sign-on configuration, agnostic of which IdP you are integration with. Fields that must be configured will be marked (**required**).

> **Tip**
>
> **Unless you are comfortable with OpenID Connect**, we recommend using one of the above implementation guides instead of the following generic material.

Field	Description
Callback Path	(**Automatically generated**) The URL for authentication automatic redirect. For cloud-hosted customers, this is `https://sso.bitwarden.com/oidc-signin` or `https://sso.bitwarden.eu/oidc-signin.` For self-hosted instances, this is determined by your configured server URL, for example `https://your.domain.com/sso/oidc-signin`.
Signed Out Callback Path	(**Automatically generated**) The URL for sign-out automatic redirect. For cloud-hosted customers, this is `https://sso.bitwarden.com/oidc-signedout` or `https://sso.bitwarden.eu/oidc-signedout`. For self-hosted instances, this is determined by your configured server URL, for example `https://your.domain.com/sso/oidc-signedout`.
Authority	(**Required**) The URL of your authorization server ("Authority"), which Bitwarden will perform authentication against. For example, `https://your.domain.okta.com/oauth2/default` or `https://login.microsoft.com/<TENANT_ID>/v2.0`.
Client ID	(**Required**) An identifier for the OIDC client. This value is typically specific to a constructed IdP app integration, for example an Azure app registration or Okta web app.
Client Secret	(**Required**) The client secret used in conjunction with the client ID to exchange for an access token. This value is typically specific to a constructed IdP app integration, for example an Azure app registration or Okta Web App.

Field	Description
Metadata Address	(**Required if Authority is not valid**) A Metadata URL where Bitwarden can access authorization server metadata as a JSON object. For example, `https://your.domain.okta.com/oauth2/default/.well-known/oauth-authorization-server`
OIDC Redirect Behavior	(**Required**) Method used by the IdP to respond to authentication requests from Bitwarden. Options include **Form POST** and **Redirect GET**.
Get claims from user info endpoint	Enable this option if you receive URL too long errors (HTTP 414), truncated URLS, and/or failures during SSO.
Additional/custom scopes	Define custom scopes to be added to the request (comma-delimited).
Additional/custom user id claim types	Define custom claim type keys for user identification (comma-delimited). When defined, custom claim types are searched for before falling back on standard types.
Additional/custom email claim types	Define custom claim type keys for users' email addresses (comma-delimited). When defined, custom claim types are searched for before falling back on standard types.
Additional/custom name claim types	Define custom claim type keys for users' full names or display names (comma-delimited). When defined, custom claim types are searched for before falling back on standard types.
Requested authentication context class reference values	Define authentication context class reference identifiers (`acr_values`) (space-delimited). List `acr_values` in preference-order.
Expected "acr" Claim Value in Response	Define the `acr` claim value for Bitwarden to expect and validate in the response.

OIDC attributes & claims

An **email address is required for account provisioning**, which can be passed as any of the attributes or claims in the below table.

A unique user identifier is also highly recommended. If absent, email will be used in its place to link the user.

Attributes/claims are listed in order of preference for matching, including fallbacks where applicable:

Value	Claim/Attribute	Fallback claim/attribute
Unique ID	Configured Custom User ID Claims NameID (when not transient) urn:oid:0.9.2342.19200300.100.1.1 Sub UID UPN EPPN	
Email	Configured Custom Email Claims Email http://schemas.xmlsoap.org/ws/2005/05/identity/claims/emailaddress urn:oid:0.9.2342.19200300.100.1.3 Mail EmailAddress	Preferred_Username Urn:oid:0.9.2342.19200300.100.1.1 UID
Name	Configured Custom Name Claims Name http://schemas.xmlsoap.org/ws/2005/05/identity/claims/name urn:oid:2.16.840.1.113730.3.1.241 urn:oid:2.5.4.3 DisplayName CN	First Name + " " + Last Name (see below)
First Name	urn:oid:2.5.4.42 GivenName FirstName FN FName Nickname	
Last Name	urn:oid:2.5.4.4 SN Surname LastName	