

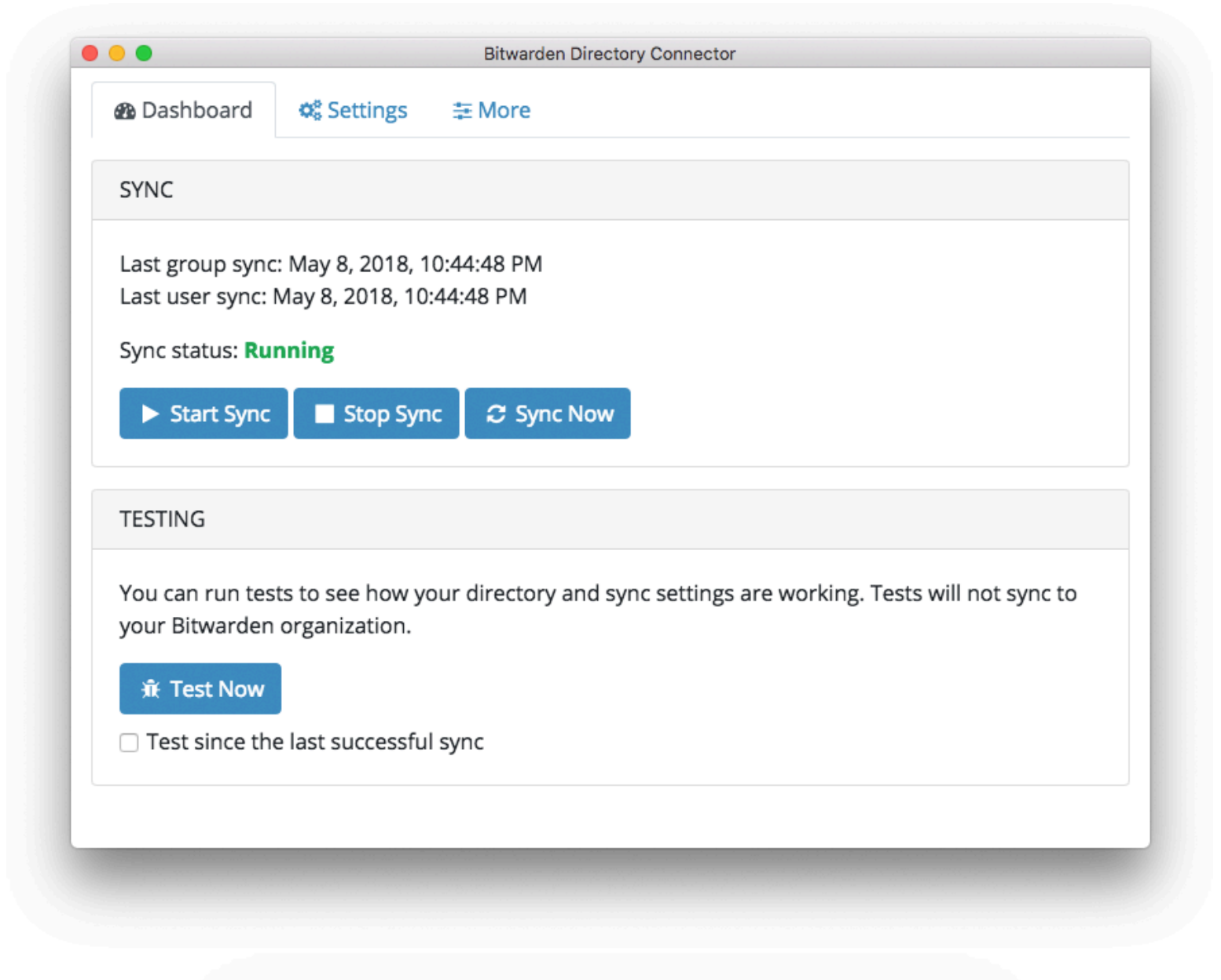
ADMIN CONSOLE > USER MANAGEMENT >

Directory Connector Desktop App

View in the help center:
<https://bitwarden.com/help/directory-sync-desktop/>

Directory Connector Desktop App

The Directory Connector desktop app is a standalone desktop application that can be used to sync users, groups, and group associations from a selection of directory services.



Directory Connector Desktop App

Directory Connector is also available as a [CLI tool](#). The desktop app and CLI [share a database and configurations](#), so **simultaneous** use on a single machine is not recommended. The recommended path is to complete configuration and testing using the [desktop app](#), and subsequently using the [CLI](#) to [schedule automatic syncing](#) to your production organization.

Getting started

To get started using the Directory Connector desktop app:


1. Download the latest version of the app from our [GitHub releases page](#) or by using one of the following official links:

-  Windows Installer (.exe)
-  Windows Portable (.exe)
-  macOS (.dmg)
-  Linux (.ApplImage)

2. Set the server URL used by Directory Connector before logging in. This is required if you are self-hosting Bitwarden or using the [EU server](#):

1. On the Login screen, select **Settings**.
2. In the **Server URL** field, enter the domain name for Bitwarden instance with [https://](#). For example, [https://vault.bitwarden.eu](#) or [https://your.domain.bitwarden.com](#).
3. Select **Save**.

3. Log in to Directory Connector using your [organization API key](#). If you don't have the API key, reach out to an [organization owner](#).

4. On the  **Settings** tab, connect to your directory and configure [sync options](#). This procedure will vary based on the directory in use, so refer to one of the following articles for instruction:

- [Sync with Active Directory or LDAP](#)
- [Sync with Azure Active Directory](#)
- [Sync with G Suite \(Google\)](#)
- [Sync with Okta](#)
- [Sync with OneLogin](#)

Tip

If you are re-configuring sync options, rather than setting them for the first time, navigate to the **More** tab and select the **Clear Sync Cache** button to prevent potential conflicts with prior sync operations ([learn more](#)).

5. On the  **Settings** tab, select your organization from the organization dropdown.

6. **Perform a Test Sync**. To check that your directory connection and sync options are successfully configured and working as expected:

1. Open the  **Dashboard** tab.
2. Select the **Test Now** button.

Sync testing will query the directory server and print the results to the dashboard. Results will include:

- A list of users that will be synced from the directory.
- A list of groups that will be synced from the directory.
- A list of users that will be disabled based on their status in the directory.

- A list of users that will be deleted from your organization based on their status in the directory.
-

Directory Connector test sync

If the printed results match your expectations, you're ready to [start syncing](#).

Sync with Directory Connector

Directory Connector can be used to run a one-time [manual sync](#) or [automatic sync polling](#):

Manual sync

To run a one-time manual sync from your directory to your Bitwarden organization, open the  **Dashboard** tab and select the  **Sync Now** button.

Synced users will be invited to your organization, and groups will be immediately created.

Automatic sync

Automatic syncing will poll your directory based on the **Interval** specified in your [sync options](#) as long as the application is open. If you exit or close the application, automatic sync polling will stop.

To start automatic sync polling with Directory Connector, open the  **Dashboard** tab and select the  **Start Sync** button.

Note

If you're on the [Teams Starter](#) plan, you are limited to 10 members. Directory Connector will display an error and stop syncing if you try to sync more than 10 members.

This plan is no longer available for purchase. This error does not apply to Teams plans.