

ADMIN CONSOLE > USER MANAGEMENT >

Sync with Okta

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

Sync with Okta

This article will help you get starting using Directory Connector to sync users and groups from your Okta directory to your Bitwarden organization.

Create an Okta API token

Directory Connector requires knowledge of an Okta-generated token to connect to your directory. Complete the following steps to create and obtain an Okta API token for use by Directory Connector:

1. From your Okta Developer Console (<https://yourdomain-admin.okta.com>) navigate to **Security** → **API** → **Tokens**.
2. Select the **Create token** button and give your token a Bitwarden-specific name (for example, **bitwarden-dc**).
3. Copy the generated **Token value** to the clipboard.

Warning

Your token value will not be shown again. Paste it somewhere safe to prevent it from being lost.

Connect to your directory

Complete the following steps to configure Directory Connector to use your Okta Directory:

1. Open the Directory Connector [desktop app](#).
2. Navigate to the **Settings** tab.
3. From the **Type** dropdown, select **Okta**.

The available fields in this section will change according to your selected type.

4. Enter your Okta Organization URL in the **Organization URL** field (for example, <https://yourdomain.okta.com>).
5. Paste the API Token Value in the **Token** field.

Configure sync options

Tip

When you're finished configuring, navigate to the **More** tab and select the **Clear Sync Cache** button to prevent potential conflicts with prior sync operations. For more information, see [Clear Sync Cache](#).

Complete the following steps to configure the settings used when syncing using Directory Connector:

1. Open the Directory Connector [desktop app](#).
2. Navigate to the **Settings** tab.
3. In the **Sync** section, configure the following options as desired:

Option	Description
Interval	Time between automatic sync checks (in minutes).
Remove disabled users during sync	Check this box to remove users from the Bitwarden organization that have been disabled in your directory.
Overwrite existing organization users based on current sync settings	Check this box to always perform a full sync and remove any users from the Bitwarden organization if they are not in the synced user set.
More than 2000 users or groups are expected to sync	Check this box if you expect to sync 2000+ users or groups. If you don't check this box, Directory Connector will limit a sync at 2000 users or groups.
Sync users	Check this box to sync users to your organization. Checking this box will allow you to specify User Filters.
User Filter	See Specify sync filters .
Sync groups	Check this box to sync groups to your organization. Checking this box will allow you to specify Group Filters.
Group Filter	See Specify sync filters .

Specify sync filters

Use comma-separated lists to include or exclude based on user email or group name. Additionally, Okta APIs provide limited filtering capabilities for users and groups that may be used in Directory Connector filter fields.

Consult Okta documentation for more information about using the **filter** parameter for **users** and **groups**.

User filters

Include/Exclude users by email

To include or exclude specific users based on email address:

Bash

```
include:joe@example.com,bill@example.com,tom@example.com
```

Bash

```
exclude:joe@example.com,bill@example.com,tom@example.com
```

Concatenate with **filter**

To concatenate a user filter with the **filter** parameter, use a pipe (|):

Bash

```
include:john@example.com,bill@example.com|profile.firstName eq "John"
```

Bash

```
exclude:john@example.com,bill@example.com|profile.firstName eq "John"
```

Use only **filter**

To use only the **filter** parameter, prefix the query with a pipe (|):

Bash

```
|profile.lastName eq "Smith"
```

Group filters

Note

Syncing nested groups is not supported by Okta.

Include/Exclude groups

To include or exclude groups by name:

Bash

```
include:Group A,Group B
```

Bash

```
exclude:Group A,Group B
```

Concatenate with **filter**

To concatenate a group filter with the **filter** parameter, use a pipe (**|**):

Bash

```
include:Group A|type eq "APP_GROUP"
```

Bash

```
exclude:Group A|type eq "APP_GROUP"
```

Use only **filter**

To use only the **filter** parameter, prefix the query with a pipe (**|**):

Bash

```
|type eq "BUILT_IN"
```

Test connection



Tip

Innan du testar eller kör en synkronisering, kontrollera att Directory Connector är ansluten till rätt molnserver (t.ex. USA eller EU) eller egenhostad server. Lär dig hur du gör det med [skrivbordsappen](#) eller [CLI](#).

To test whether Directory Connector will successfully connect to your directory and return the desired users and groups, navigate to the **Dashboard** tab and select the **Test Now** button. If successful, users and groups will be printed to the Directory Connector window according to specified [sync options](#) and [filters](#):

TESTING

You can run tests to see how your directory and sync settings are working. Tests will not sync to your Bitwarden organization.

 **Test Now**

☐ Test since the last successful sync

Users

 cap@test.com
  hulksmash@test.com
  ironman76@test.com
  mjolnir_rocks@test.com

Disabled Users

No users to list.

Deleted Users

No users to list.

Groups

 Avengers

- cap@test.com
- hulksmash@test.com
- ironman76@test.com
- mjolnir_rocks@test.com

Test sync results

Start automatic sync

Once [sync options](#) and [filters](#) are configured as desired, you can begin syncing. Complete the following steps to start automatic sync with Directory Connector:

1. Open the Directory Connector [desktop app](#).
2. Navigate to the **Dashboard** tab.
3. In the **Sync** section, select the **Start Sync** button.

You may alternatively select the **Sync Now** button to execute a one-time manual sync.

Directory Connector will begin polling your directory based on the configured [sync options](#) and [filters](#).

If you exit or close the application, automatic sync will stop. To keep Directory Connector running in the background, minimize the application or hide it to the system tray.

Note

Om du har [Teams Starter-plan](#) är du begränsad till 10 medlemmar. Directory Connector visar ett felmeddelande och slutar synkronisera om du försöker synkronisera fler än 10 medlemmar.

Den **här planen går inte längre att köpa**. Det här felet gäller inte för Teams planer.

