Configuring Okta to Manage LaunchDarkly Users with SCIM

Features

- **Push New Users**
  Users created in Okta are also created in LaunchDarkly.

- **Push Profile Updates**
  Updates made to the user's profile through Okta will be pushed to LaunchDarkly.

- **Push User Deactivation**
  Deactivating the user or disabling the user's access to the application through Okta will deactivate the user in LaunchDarkly.

- **Push Groups**
  Okta groups and their members can be pushed as new LaunchDarkly teams.

- **Group Linking**
  Okta groups and their members can be linked to existing teams in LaunchDarkly.

Requirements

In order to complete this procedure, you must have the following prerequisites:

- SCIM provisioning is only available to LaunchDarkly customers on Enterprise plans. To learn more about our Enterprise plans, contact sales@launchdarkly.com.
- You must be a LaunchDarkly Owner / Admin
- You must have added the LaunchDarkly app to Okta and have SSO enabled. To learn more about LaunchDarkly's SSO features, read Single Sign-On in LaunchDarkly's documentation.

Step-by-Step Configuration Instructions

Configure your **Provisioning** settings for LaunchDarkly as follows:
1. Click the **Configure API Integration** button.

2. Check the **Enable API Integration** box.
3. Click the **Authenticate with LaunchDarkly** button. A new browser window opens.

4. The browser message describes what permissions Okta requires in LaunchDarkly. Click **Authorize.**

Hi Nikita,

Okta would like permission to:

✓ Read your full name and email address

✓ Use SCIM to manage your organization's users on LaunchDarkly

Authorize Deny

Okta
by okta ⊘

Your LaunchDarkly credentials and billing information will never be shared. For more information, see OAuth documentation.

5. Return to Okta's **Provisioning** settings screen.
6. Click **Save**.
7. On the **To App** tab in **Provisioning**, click **Edit** and choose the **Provisioning Features** you want to enable.
8. Click **Save** to complete the configuration.

okta → →

Provisioning to App

Create Users

☑ Enable

Creates or links a user in LaunchDarkly when assigning the app to a user in Okta.

The default username used to create accounts is set to **Okta username**.

Update User Attributes

☑ Enable

Okta updates a user's attributes in LaunchDarkly when the app is assigned. Future attribute changes made to the Okta user profile will automatically overwrite the corresponding attribute value in LaunchDarkly.

Deactivate Users

☑ Enable

Deactivates a user's LaunchDarkly account when it is unassigned in Okta or their Okta account is deactivated. Accounts can be reactivated if the app is reassigned to a user in Okta.

Save

9. In the **Sign On** tab, set **Application username format** to **Email**. Click **Save**.

10. To enable **Push Groups** and **Group Linking,** go to LaunchDarkly's **Account Settings**, click **Security**, then click **Turn on team sync**. To learn syncing Okta Groups with LaunchDarkly Teams, read [LaunchDarkly's documentation](#).

Schema Discovery

LaunchDarkly supports several custom attributes in addition to the standard SCIM username, given name, and family name.

Here is a table explaining LaunchDarkly's custom attributes:

Attribute	Okta attribute	Attribute type	Notes
Role	role	string	role is one of `no_access`, `reader`, `writer`, or `admin` which correspond to the built-in user roles in LaunchDarkly.
Custom Roles	customRole customRoles Array	String String array	customRole is a string containing comma-separated custom role keys, which grant custom permissions to users and user groups.

To connect LaunchDarkly's custom attributes to Okta user attributes:

1. In Okta's Admin Console, go to **Directory** > **Profile Editor**.
2. In the search field, enter "LaunchDarkly". The LaunchDarkly User profile appears.
3. Click the **LaunchDarkly User** profile to open the application's profile.
4. Click **Mappings**.
5. Select the **Okta User to LaunchDarkly** tab.
6. Choose an attribute or expression for the custom attributes you want to add.
7. Click **Save Mappings.**

Troubleshooting and Tips

- LaunchDarkly uses email addresses as SCIM usernames. It stores emails in lowercase. Emails with uppercase letters won't work as expected.

- LaunchDarkly does not store separate username and primary email fields. Changing the username updates the email and changing the email updates the username.

- Only one email address may be associated with a LaunchDarkly account at a time. If you attempt to provision the same email address into multiple accounts, it will fail.

- LaunchDarkly currently only allows one SCIM connection at a time. If you receive an error that you cannot add an additional SCIM connection, go to LaunchDarkly's **Account Settings**, click the **Security**, and then click **Disconnect SCIM**. After you do this, you will be able to make a new SCIM connection.

- If you see ConstraintViolationException errors when using **Push Groups**, go to the **Provisioning** tab, click **Integration**, and make sure that the **Import Groups** checkbox is checked. This is a known issue with Group Push.

- After you sync a LaunchDarkly team with an Okta group, you cannot unsync it. The only way to remove the team is to unlink the pushed group in Okta.

- To learn more about using LaunchDarkly's features, read [LaunchDarkly's documentation](#).