

# Configuring Single Sign On with Okta SAML 2.0

This guide provides the steps required to configure Single Sign-On between Okta and the KloudHybrid solution using the SAML 2.0 protocol and includes the following sections:

## Features

The Okta/KloudHybrid integration supports the following features:

- **Service Provider Initiated SSO**  
A user can login from the KloudHybrid login page.
- **Identity Provider Initiated SSO**  
A user can login to KloudHybrid from a tile on 'My Applications Page' in Okta.
- **Group Based Role Assignment**  
Users can be assigned either a default role in KloudHybrid or assigned a role based on their Okta group membership.
- **Just In Time (JIT) User Provisioning**  
Users can be created on the fly in KloudHybrid when they use Single Sign On.
- **SCIM v2.0 Based User Provisioning**  
Optionally, SCIM can be used to synchronize users assigned to the application in Okta to KloudHybrid. [See SCIM Integration for details](#)

For more information on the listed features, visit the [Okta Glossary](#).

## Requirements

This functionality is supported from version 5.10 of the KloudHybrid Platform

## Prerequisites

You are an administrator of an Okta tenant.

## Configuration

1. Search for the 'KloudHybrid' application from the Application Integration Catalog in the Okta administration dashboard and click 'Add':

← Back to Add Application

### KloudHybrid

**Overview**

KloudHybrid is Kloudspot's flexible workspace solution allowing effective management of a mixed on-site/remote workforce whilst enabling and encouraging teamwork. Okta's integration with KloudHybrid solution allows users to use Single Sign On with KloudHybrid and also enables IT departments to easily manage access to KloudHybrid.

**Capabilities**

Access	Provisioning
<input checked="" type="checkbox"/> SAML	<input checked="" type="checkbox"/> Create
<a href="#">OIDC</a>	<a href="#">Update</a>
<a href="#">WS-Federation</a>	<input checked="" type="checkbox"/> Deactivate
<a href="#">SWA</a>	<a href="#">Sync Password</a>

**Categories**  
Private Apps

**Last Update**  
2021-06-25T12:21:36+0000

Thanks for trying the Okta Starter plan. Upgrade to

2. Enter the name of the application and set the base server URL, then click 'Done':

### Add KloudHybrid

1 General Settings

**General Settings - Required**

Application label: KloudHybrid  
This label displays under the app on your home page

Base URL:   
Enter your Base URL. For example, if you log into `https://acme.example.com`, enter: `https://acme.example.com`

Application Visibility:  Do not display application icon to users  
 Do not display application icon in the Okta Mobile App

Cancel Done

**General settings**  
All fields are required to add this application unless marked optional.

3. If you want to set up group based access control, click on the Sign-On tab, then click on edit in the Settings Box. You need to add a 'group' claim that will add the required Okta

group claim to the SAML authentication. There are several ways this can be done, but using a naming convention is the easiest. For example, you might create groups in Okta called 'ks-users', 'ks-admins' and then add a group claim similar to that shown below. Click on 'Save'.

Configured SAML  
Attributes

groups	Starts... ▾	ks- I
--------	-------------	-------

4. Click on 'View Setup Instructions' and note the following information. You will need to cut and paste this information in the next steps.
  - IDP Issuer/Entity ID
  - x.509 Certificate (in PEM format)
  - Login URL/SignOn URL
5. In a separate browser window, login to KloudHybrid as administrator and go to the 'advanced' user interface.
6. Go to 'Configuration -> Integrations -> External Authentication'.
7. Select 'Okta' as the IDP type and 'SAML' as the Protocol
8. Enter the information noted in Step 4 in the appropriate fields.
9. Enter the group names from Step 3 into the appropriate mapping fields.
10. Click save and wait for ~30 seconds for the system to restart and open the home page. You should see an Okta login button on the login page with a 'Continue with Okta' button:



11. Once you assign users to the application, they will be able to login using the button.

## Known Issues/Troubleshooting

N/A