



Deltek

Deltek Costpoint® Cloud

Configuring Okta

February 12, 2024



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Overview

There are four steps to setting up Okta for Deltek Costpoint Cloud.

Step	Procedure
1	Submit the SSO Setup Service Request
2	Configure Okta
3	Attach your Okta XML certificate to your SSO Setup Service Request ticket
4	Configure Costpoint user accounts to use Okta for authentication

Note: If you are already set up for SAML SSO authentication in Costpoint Cloud, you will need to set up a second configuration for the Costpoint Mobile T&E in the Cloud. Follow the instructions in this guide to set up your configuration. See the *Deltek Costpoint Mobile Time and Expense in the Cloud Administrator Guide* for more information on Costpoint Mobile T&E in the Cloud.

Submit the SSO Setup Service Request

When you submit the SSO Setup Service Request, Deltek will attach the following information to the service request ticket.

- **Single sign on URL:** For example, <https://acme-cp.deltekenterprise/cpweb/LoginServlet.cps>
- **Recipient URL:** For example, <https://acme-cp.deltekenterprise/cpweb/LoginServlet.cps>
- **Destination URL:** For example, <https://acme-cp.deltekenterprise/cpweb/LoginServlet.cps>
- **Audience URI (SP Entity ID):** For example, <https://acme-cp.deltekenterprise/cpweb>
- **Default RelayState:** For example, system=ACME

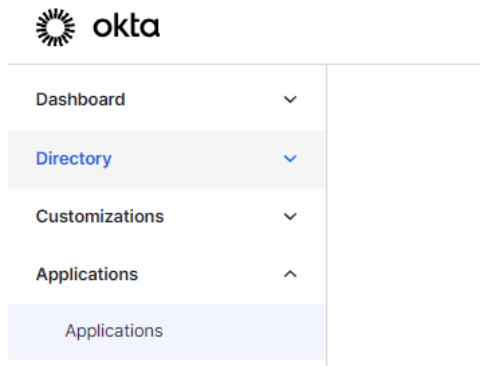
Note: If you are a Costpoint Essentials customer, Deltek will provide you with one set of URLs. If you are a Costpoint Enterprise customer, Deltek will provide you with three sets of URLs.

Note: If you are a Costpoint Mobile T&E customer, Deltek will provide you with two sets of URLs (one for Costpoint and one for Costpoint Mobile T&E).

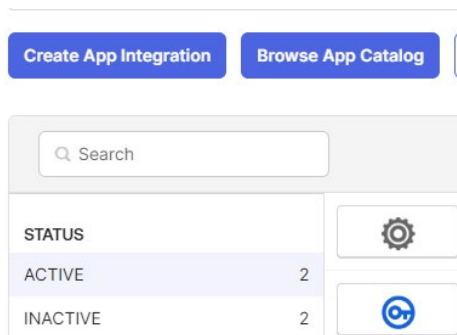
Configure Okta

To configure Okta:

1. Log into the Okta portal and click **Applications**.

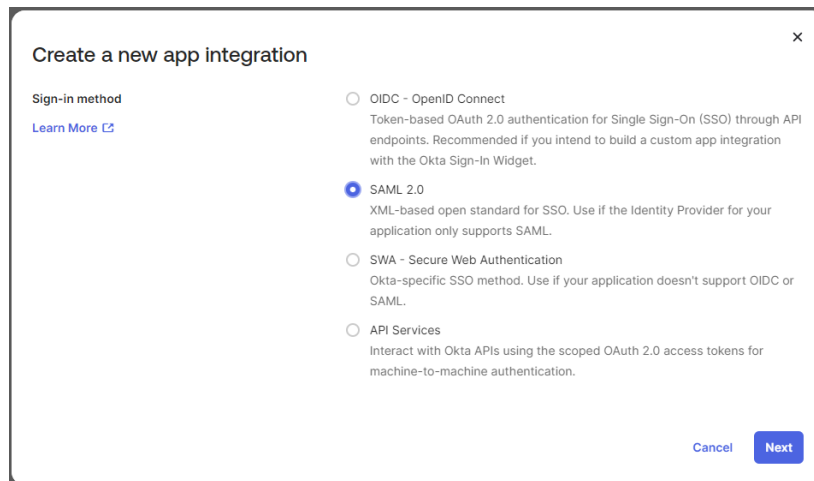


2. Click **Create App Integration**.



3. On the Create a New Application Integration screen, select or specify the following details and click **Create**:

- **Sign on method:** Select the **SAML 2.0** option.



4. On the General Settings screen, select or specify the following details and click **Next**:

- **App name:** Enter any name.

- **App logo (optional):** If so desired, upload a logo for the application
- **App visibility:** Select either check box. You can choose not to display the application icon to users or not to display the application icon in the Okta Mobile application.

Create SAML Integration

5. On the SAML Settings A screen, complete the following:

Note: `/LoginServlet.cps` is required where specified below.

- **Single sign on URL:** This URL is provided by Deltek in the service request.
For example: `https://acme-cp.deltekenterprise/cpweb/LoginServlet.cps`
- **Audience URI (SP Entity ID):** This URL is provided by Deltek in the service request.
For example: `https://acme-cp.deltekenterprise/cpweb`
- **Default RelayState:** This setting is provided by Deltek in the service request.
For example: `system=ACME`
- **Response:** Unsigned

Configure Okta

A SAML Settings

General

Single sign-on URL ⓘ

☒ Use this for Recipient URL and Destination URL

Audience URI (SP Entity ID) ⓘ

Default RelayState ⓘ

If no value is set, a blank RelayState is sent

Name ID format ⓘ

Application username ⓘ

Update application username on

[Show Advanced Settings](#)

6. Click Next.

Edit SAML Integration

1 General Settings 2 Configure SAML 3 Feedback

3 Help Okta Support understand how you configured this application

Are you a customer or partner? ☒ I'm an Okta customer adding an internal app ☐ I'm a software vendor. I'd like to integrate my app with Okta

The optional questions below assist Okta Support in understanding your app integration.

App type ⓘ ☒ This is an internal app that we have created

[Previous](#) [Finish](#)

Why are you asking me this?

This form provides Okta Support with useful background information about your app. Thank you for your help—we appreciate it.

7. Click Finish.

8. Sample Settings

SAML 2.0

Default Relay Statesystem=ACME

Metadata details

Metadata URLhttps://dev-153391.oktapreview.com/app/exk1w8mtf7kyJCT2m0h8/sso/saml/metadata

Copy

☒ Hide details

Sign on URLhttps://dev-153391.oktapreview.com/app/dev-153391_deltelcostpoint_3/exk1w8mtf7kyJCT2m0h8/sso/saml

Copy

Sign out URLhttps://dev-153391.oktapreview.com

Copy

Issuerhttp://www.okta.com/exk1w8mtf7kyJCT2m0h8

Copy

Signing Certificate

Download

Copy

☒ Certificate fingerprint

- After the application is created, export the IDP metadata as an .XML file or Copy the metadata URL.

Costpoint does not support file with **.cert** extension.

Note: For Costpoint Enterprise users, you must repeat step 3 for each Cloud Environment (Production, Implementation/Test/Preview, Dev) that you would like to set up the Okta for.

Note: For Costpoint Mobile T&E users, you must repeat step 3 for each Costpoint Mobile T&E environment that you would like to set up Okta for.

Attach Your Okta XML Certificate to Your SSO Setup Service Request Ticket

Attach the Okta XML certificate you created in Step 3 (Configure Okta) to the SSO Setup Service Request ticket you created in Step 2 (Submit the SSO Setup Service Request).

You also need to let the cloud team if your SAML ID Attribute is an email account or a unique identifier like an employee number. Your users will all need to use the same type of attribute.

Configure Costpoint User Accounts to Use Okta for Authentication

In order to log into Costpoint with your Okta credentials, you must first modify the authentication properties of your Costpoint user account.

To modify the authentication properties:

1. Primary SaaS Admin will need to login and adjust the authentication properties of your users.
 - a. **GCCM Customers:** Log into your Costpoint systems using the Primary SaaS Admins SAML Attribute (i.e., the email address(upn) or a unique identifier).
 - i. When logging into Costpoint, use the SAML Attribute as the Costpoint Username.
 - ii. Developers will need 2 Costpoint accounts in the DEV system, their end user account for testing that uses SAML and a second account that uses Active Directory as the authentication method. The attribute will be clientid.developerfirstname.developerlast name, for example 50053.Mickey.Mouse. You can find more information on setting up the Cloud Active Directory for your developers [here](#).
 - b. **GCC Customers:** Log into your Costpoint systems using a Cloud Active Directory (User Manager) account that has access to the Manage Users application within Costpoint.
2. Navigate to **Admin » Security » System Security » Manage Users** and locate the account to modify.
3. Click the Authentication tab.

The screenshot shows the Costpoint Manage Users interface. The breadcrumb navigation is: Admin > Security > System Security > Manage Users. The user selected is 'FIDO Test' with User ID 'USER789'. The 'Authentication' tab is active, showing the 'Authentication Settings' section. The 'Authentication Method' is set to 'Active Directory'. Other fields include 'Password', 'Verify Password', 'Active Directory or Certificate ID' (set to 'Test'), and 'SAML Identity Provider'. There are checkboxes for 'FIDO Single Sign-on', 'Generate Temporary Password', and 'Manage User Groups in Active Directory'. The '2FA Settings' section shows 'None' selected. Below the settings are checkboxes for 'Allow Access to Integration Console' and 'Allow Access to Extensibility Console'. At the bottom, there is a 'Company Access' table with columns for Company ID, Default Taxable Entity ID, Org Security Group ID, and various suppression flags. The table shows one entry for 'Applied Technologies Inc' with 'All Access'.

Company ID	Default Taxable Entity ID	Org Security Group ID	Suppress Labor	Suppress SSN	Suppress Cost	Suppress Price	Suppress AP Tax ID	Company Name	Org Security Group
1		ALL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Applied Technologies Inc	All Access

4. In **Authentication Method**, select **Active Directory**.
5. In the **Active Directory or Certificate ID** field, enter the user's Active Directory user name in your domain.

This can be the username or the username in UPN format (for example, **user@mydomain.local**).

6. If the user will be using SAML, select the **SAML Single Sign-on** check box.
7. Save the record.
8. Repeat steps 3 through 7 for each user in each Costpoint system who want to use the Okta authentication.

Logging into the Costpoint User Interface Environments

Here are examples of the client URLs - the ABC needs to be replaced by your client system name.

1. Development Environment

This environment is used to build your extensions or web services as needed.

URL for front end access <https://cp-ABC01-dev.npr.mydeltekgcc.com/cpweb>

System Names: ABCDEV

2. Non-Production Environment

This environment is used to test your data as it goes into the cloud and for future use to test new functionality or features of future Costpoint releases.

URL for front end access <https://cp-ABC-tst.npr.mydeltekgcc.com/cpweb>

System Names: ABCTEST, ABCCONFIG, ABCSBOX

3. Production Environment

This environment is used to test your data as it goes into the cloud and for future use to test new functionality or features of future Costpoint releases.

URL for front end access <https://cp-ABC.prd.mydeltekgcc.com/cpweb>

System Names: ABCPROD

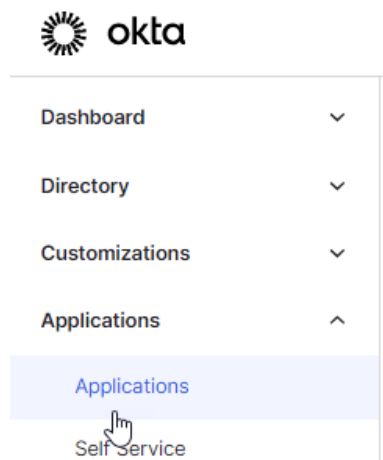
Configure Costpoint GCCM Developer Accounts for Citrix Access

Your developers will access Citrix to get to your Dev machine and build extensions or web services. In order for them to authenticate using Okta idP, you must enable the Citrix application in OKTA and assign your developers to the Citrix account.

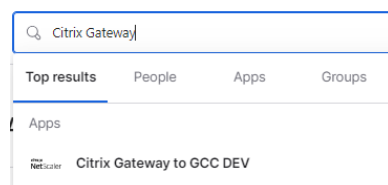
NOTE: You will need to submit the Service Request for Citrix Access to establish the SAML SSO connectivity with our Citrix, in addition to creating the Citrix Access within Okta.

The Okta idP SAML integration for Costpoint GCCM only supports SP-initiated SSO so the customer must point their browser to the Deltek Citrix Gateway URL - <https://cp-ctx01.pss.mydeltekgcc.com/> and enter their username and hit enter. This will query Citrix policies and then Active Directory to find a match and redirect to their company OKTA website. Therefore, idP-initiated SSO is not allowed (user going OKTA site first to login).

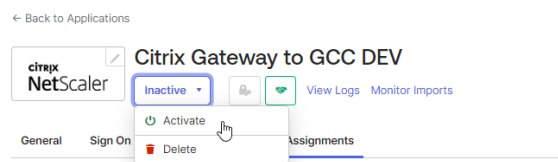
1. OKTA already has created the Citrix Gateway application and is currently available in the OKTA portal to configure and assign to users.
2. Customer must have an OKTA Admin login to the portal and select applications.



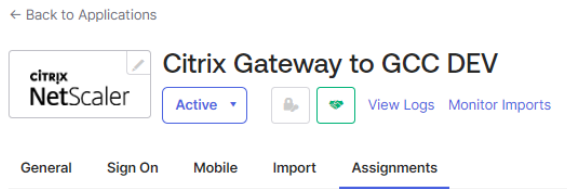
3. Search for Citrix Gateway and select **Citrix Gateway to GCC DEV** button.



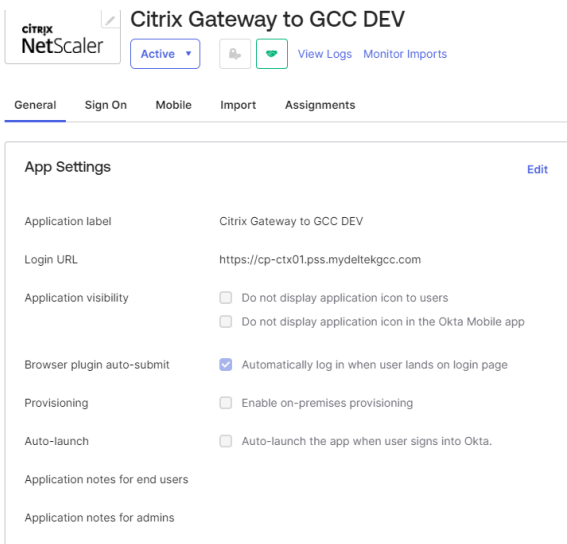
4. Select Inactive and select Activate to activate the application.



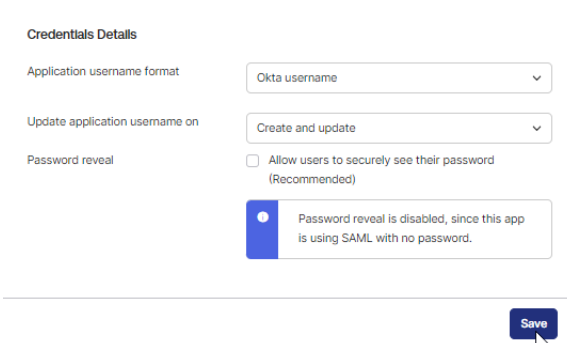
Configure Costpoint GCCM Developer Accounts for Citrix Access



- Customer must configure their Citrix Gateway application URL to Deltek's Citrix Gateway - <https://cp-ctx01.pss.mydeltekgcc.com> by going to General>App Settings>Login URL as shown below section.



- Next the customer will need to provide the Sign On method configuration for SAML by going to the Sign On>Settings>Sign on methods>SAML 2.0>Credentials details>Application username format>default. This can be changed to other attributes, but this is the default format.



Configure Costpoint GCCM Developer Accounts for Citrix Access

SAML 2.0

Default Relay State

Disable Force Authentication ☒

Metadata details

Metadata URL `https://dev-153391.oktapreview.com/app/exk1w8nqurtap7bm70h8/sso/saml/metadata`
[Copy](#)

[More details](#)

SAML 2.0

Default Relay State

Disable Force Authentication ☐

Metadata details

Metadata URL `https://dev-153391.oktapreview.com/app/exk1w8nqurtap7bm70h8/sso/saml/metadata`
[Copy](#)

☒ Hide details

Sign on URL `https://dev-153391.oktapreview.com/app/citrixnetscalergateway_saml/exk1w8nqurtap7bm70h8/sso/saml`
[Copy](#)

Sign out URL `https://dev-153391.oktapreview.com`
[Copy](#)

Issuer `http://www.okta.com/exk1w8nqurtap7bm70h8`
[Copy](#)

Signing Certificate [Download](#) [Copy](#)

☒ Certificate fingerprint

Credentials Details

Application username format

Update application username on

Password reveal

Okta username

Custom

Email

Email prefix

Okta username

Okta username prefix

(None)

7. Add your developers into this SAML Application to enable their ability to login to Citrix.
8. The SaaS Admin will need to login to Cloud AD Manager and create an AD account and grant access to DEV Groups.

Appendix A: If You Need Assistance

If you need assistance installing, implementing, or using Costpoint, Deltek makes a wealth of information and expertise readily available to you.

Customer Services

For over 30 years, Deltek has maintained close relationships with client firms, helping with their problems, listening to their needs, and getting to know their individual business environments. A full range of customer services has grown out of this close contact, including the following:

- Extensive self-support options through the Deltek Support Center.
- Phone and email support from Customer Care analysts
- Technical services
- Consulting services
- Custom programming
- Classroom, on-site, and Web-based training

Attention: Find out more about these and other services from the Deltek Support Center.

Deltek Support Center

The Deltek Support Center is a support Web site for Deltek customers who purchase an Ongoing Support Plan (OSP).

The following are some of the many options that the Deltek Support Center provides:

- Search for product documentation, such as release notes, install guides, technical information, online help topics, and white papers
- Ask questions, exchange ideas, and share knowledge with other Deltek customers through the Deltek Support Center Community
- Access Cloud-specific documents and forums
- Download the latest versions of your Deltek products
- Search Deltek's knowledge base
- Submit a support case and check on its progress
- Transfer requested files to a Customer Care analyst
- Subscribe to Deltek communications about your products and services
- Receive alerts of new Deltek releases and hot fixes
- Initiate a Chat to submit a question to a Customer Care analyst online

Attention: For more information regarding Deltek Support Center, refer to the online help available from the Web site.

Access Deltek Support Center

To access the Deltek Support Center:

1. Go to <https://deltek.custhelp.com>.
2. Enter your Deltek Support Center **Username** and **Password**.
3. Click **Login**.

Note: If you forget your username or password, you can click the **Need Help?** button on the login screen for help.



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