

NetIQ® CloudAccess

Connector 1.5 for Google Apps Guide

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About this Book and the Library

The *NetIQ® CloudAccess Connector for Google Apps Guide* provides installation and configuration information for the Connector for Google Apps.

Intended Audience

This guide provides information for CloudAccess administrators who are responsible for configuring and managing the Connector for Google Apps.

Other Information in the Library

The library provides the following information resources:

Installation and Configuration Guide

Provides installation and configuration instructions for CloudAccess.

Connector Guides

Provide detailed installation and configuration information for each connector available with CloudAccess.

Help

Provides context-sensitive information and step-by-step guidance for common tasks.

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1 Installing and Configuring the Connector for Google Apps

The Connector for Google Apps provides single sign-on capabilities to Google Apps through CloudAccess. The Connector for Google Apps allows customers to access resources through Google Apps while authentication and access are controlled locally through their enterprise LDAP servers.

The following documentation is only for the single sign-on Connector for Google Apps. This is a different connector from the Connector for Google Apps that is embedded in the CloudAccess appliance. Use this connector when you only need single sign-on capabilities. If you need provisioning, account management, and single sign-on capabilities, use the embedded connector. For more information about the embedded Connector for Google Apps, see the *NetIQ CloudAccess Installation and Configuration Guide* (https://www.netiq.com/documentation/cloudaccess/install_config/data/bookinfo.html).

- ♦ Section 1.1, “Requirements,” on page 9
- ♦ Section 1.2, “Downloading the Connector,” on page 10
- ♦ Section 1.3, “Importing the Connector,” on page 10
- ♦ Section 1.4, “Configuring the Connector,” on page 10
- ♦ Section 1.5, “Configuring Google Apps for Single Sign-On,” on page 11
- ♦ Section 1.6, “Logging in to Google Apps,” on page 12

1.1 Requirements

Verify that you meet the following requirements before you start importing the connector:

- ☐ A premier Google Apps account with the provisioning APIs enabled on the Google account. To set up a free sample account that expires after 14 days, see [Google Apps](http://www.google.com/a/cpanel/sample/new) (<http://www.google.com/a/cpanel/sample/new>).
- ☐ User accounts in Google Apps for each user who wants access to Google Apps.
- ☐ The Google Apps email addresses stored as an attribute on the users in their identity source. This can be the LDAP mail attribute, or another attribute of your choice.
- ☐ A CloudAccess 1.1 system installed and configured.

1.2 Downloading the Connector

You must download the Connector for Google Apps from the Access Connectors HQ Web site at <https://www.netiq.com/products/accessconnectorhq/index.html> (<https://www.netiq.com/products/accessconnectorhq/index.html>). The Connector for Google Apps is not included with CloudAccess.

After you have downloaded the connector, proceed to [Section 1.3, “Importing the Connector,” on page 10](#).

1.3 Importing the Connector

After downloading the connector, you must import the connector into CloudAccess in order to use the connector.

To import the connector:

- 1 Unzip the downloaded connector archive.
- 2 Log in to the Admin page at https://dns_of_appliance/appliance/index.html as an appliance administrator.
- 3 Click the **Admin** icon on the toolbar.
- 4 Click the **Tools** icon on the toolbar, then click **Import Connector Definition**.
- 5 Click **Browse**, then browse to and select the Connector for Google Apps ZIP file that was extracted above.
- 6 Click **Import**.

The Applications palette displays the Connector for Google Apps.

- 7 Proceed to [Section 1.4, “Configuring the Connector,” on page 10](#).

1.4 Configuring the Connector

After importing the connector, you must configure the connector to work with Google Apps.

- 1 Log in to the Admin page at https://dns_of_appliance/appliance/index.html.
- 2 Drag and drop the Connector for Google Apps to the bar, then click **Configure**.
- 3 Use the following information to configure the new Connector for Google Apps:
 - Display name:** Specify a display name for the connector. This name should be unique so you can identify this connector on the Admin page.
 - Customer domain:** Specify the domain name that you used when creating your Google Apps account.
 - Destination URL:** Specify the URL to which users go after initial login. If you are using IdP-initiated logins, this field is required.
 - Signing certificate:** (Optional) Browse to and select an SSL certificate if you want secure communication to Google Apps.
 - Assertion Attribute Mappings:** Select the LDAP attribute that stores the user’s Google Apps email address. This value can also be the LDAP **mail** attribute.
- 4 Click **OK**, then click **Apply**.
- 5 Proceed to [Section 1.5, “Configuring Google Apps for Single Sign-On,” on page 11](#).

1.5 Configuring Google Apps for Single Sign-On

After configuring the connector, you must configure single sign-on (SSO) SAML 2.0 federation between Google Apps and CloudAccess.

To configure Google Apps for single sign-on:

- 1 In CloudAccess, obtain the required information to configure Google Apps in the Federation Instructions:
 - 1a On the Admin page, click the Connector for Google Apps.
 - 1b Click **Configure**.
 - 1c Expand the Federation Instructions, then copy and paste the instructions into a text file to use during the Google Apps configuration.

NOTE: You must use a text editor that does not introduce hard returns or additional white space. For example, use Notepad instead of Wordpad.

- 2 From the Federation Instructions, use the following steps to create a signing certificate:

- 2a In the Federation Instructions, copy the text between the following tags:

```
-----BEGIN CERTIFICATE-----  
-----END CERTIFICATE-----
```

Ensure that you copy the beginning and ending hyphens in the tags.

NOTE: You must use a text editor that does not introduce hard returns or additional white space. For example, use Notepad instead of Wordpad.

- 2b Paste the certificate information into a text file.
 - 2c Save the file with a .pem extension.
- 3 Open a browser, enter the URL of the Google Apps account, then log in as the administrator.
- 4 In the **Dashboard**, click **Advanced Tools > Set up single sign-on (SSO)**.
- 5 Configure the following options:
 - Enable Single Sign-on:** Select this option.
 - Sign-in page URL:** Paste the Single Sign-on URL from the Federation Instructions.
 - Sign-out page URL:** Paste the Single Logout URL from the Federation Instructions.
 - Change password URL:** Specify a value, because Google requires it. CloudAccess does not support this option.
 - Verification certificate:** Browse to and select the certificate you created from the Federation Instructions, then upload the certificate.
 - Use a domain specific issuer:** Do not select this option.
 - Network masks:** Leave this field blank.
- 6 Click **Save Changes**.
- 7 To verify that the configuration is valid, continue with [“Logging in to Google Apps” on page 12](#).

1.6 Logging in to Google Apps

Use the following information to create links for the end users to use when logging into Google Apps while also authenticating to the identity source.

- ♦ [Section 1.6.1, “Configuring Service Provider-Initiated Logins,” on page 12](#)
- ♦ [Section 1.6.2, “Configuring Identity Provider-Initiated Logins,” on page 12](#)

1.6.1 Configuring Service Provider-Initiated Logins

A login initiated by the service provider (SP) allows users to start the login process at the service provider or, in this case, at Google Apps.

1. The user accesses the SP-initiated login URL you provide:

```
http://mail.google.com/a/Google_Domain_Name
```

2. CloudAccess redirects the login back to the appliance.
3. At the login screen, the user logs in using the user name and password from the identity source.
4. CloudAccess redirects the login back to Google Apps.
5. The user is authenticated to both the identity source and Google Apps at this point.

1.6.2 Configuring Identity Provider-Initiated Logins

A login initiated by the identity provider (IdP) allows users to start the login process at the identity provider or, in this case, at the appliance.

1. The user accesses the IdP-initiated login URL you provide:

```
https://appliance_DNS/osp/a/t1/auth/app/login
```

2. The login page displays different authentication cards for each application configured to work with the appliance.
3. The user clicks the card for Google Apps, then logs in using the user name and password from the identity source.
4. CloudAccess redirects the login to Google Apps.
5. The user is authenticated to both the identity source and Google Apps at this point.

You can also copy the auto-generated URL on each icon to provide as a link for the user.