

Cloudpath Enrollment System Third-Party Authentication Configuration Guide, 5.5

Supporting Cloudpath Software Release 5.5

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Using Facebook for Third-Party Authentication

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Setting Up the Facebook Application

Before configuring Cloudpath for Facebook authentication, you must set up the Facebook application.

What You Need To Set Up the Facebook Application

- Facebook login credentials
- Name and Namespace for your application
- Display Name for your application
- Domain and Website URL for your application

Creating the New Facebook App

The steps given here are only very high-level to inform you what information you will need to collect from your Facebook project that is needed on the Cloudpath UI-side configuration. You need to refer to your Facebook developer's documentation for all the information about creating your application.

1. Go to <http://developer.facebook.com>
2. Log in using your Facebook credentials.
3. Follow the instructions in the developer's manuals on how to create a website application.
4. During the process, you need to create an App ID.
5. Later in the process, you can go to the dashboard, where both the App ID and the App Secret are shown. Be sure to write down these values because you will need them during the Cloudpath configuration process.
6. Continue the configuration process in the Basic Settings area. You will need to add a Website platform.
7. For site URL and Valid OAuth Redirect URI, obtain this information from the Cloudpath workflow process in the Cloudpath UI. When you choose the "Authenticate to a third party" step and click **Next**, scroll down to the "Facebook" section and click the "Facebook Supported?" checkbox.

Setting Up Cloudpath for Facebook Authentication

After the Facebook application is set up, you configure an authentication step in Cloudpath to prompt the user for the Facebook credentials.

What You Need to Configure Cloudpath for Facebook

- Facebook App ID
- Facebook App Secret
- (Optional) Scope parameters, Event ID, and Liked Page ID for your Facebook application

How to Add Facebook Authentication to the Workflow

1. Create an enrollment workflow for third-party authentication.
2. Add an enrollment step that prompts the user to authenticate through a third-party source.
3. Select **Create a new configuration**.

The **Third-Party Authentication Setup** page allows you to specify which third-party sources are allowed as well as API information related to those sources.

4. Enter the **Name** and **Description** of this configuration.

FIGURE 1 Cloudpath Third-Party Authentication Setup

Third-Party Authentication Setup


1 Display Name:

1 Description:

Facebook Configuration

1 Facebook Supported?

Instructions: The Facebook Developer's Console is available at <https://developers.facebook.com>. Within My Apps, create a new app for a website, and Create App ID. You will need the App ID and App Secret.



1 App ID:

1 Secret:

1 Scope:

1 Event ID:

1 Liked Page ID:

1 Redirect URL: Facebook will need a Website "Site URL" to redirect to. This must be the full enrollment URL + "facebook", such as <https://test1.cloudpath.net/enroll/RegistrationTest/facebook>.

Based on the current deployment locations, the Site URL should be one of:
<https://stana43.cloudpath.net/enroll/stana43TestV1/Production/facebook>

Google Configuration

1 Google Supported?

LinkedIn Configuration

1 LinkedIn Supported?

Custom OAuth 2.0

1 Custom OAuth 2.0 Configuration

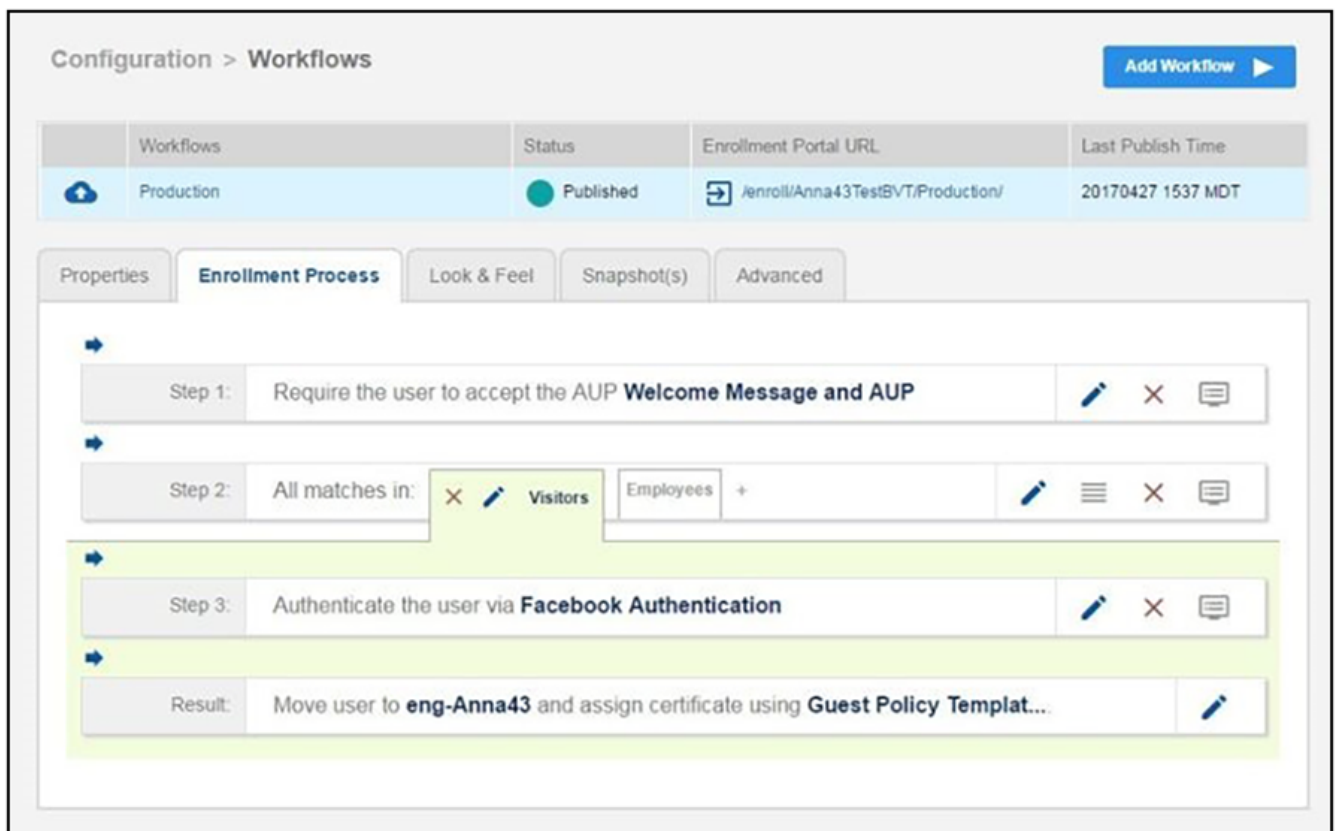
5. In the Facebook Configuration section, check the **Facebook Supported?** box and complete the following fields:
 - **App ID** - The **App ID** from the Facebook application you just created.
 - **Secret** - The **App Secret** from the Facebook application you just created.
 - Optional settings:
 - **Scope** - A comma separated list of permission names that allows the application to read or write additional data (such as email or user_group) from the Facebook application. If scope is left blank, you can only obtain the **Facebook profile ID, URL, and Name**.
 - **Event ID** and **Liked Page ID** - Allows the application to provide additional information about the user. The **Scope** must include **user_likes** to use **Liked Page ID**, and **user_events** to use **Event ID**. Adding a user_event (or user_likes) in the Scope allows you to create a filter in the workflow based on whether a user is in the user_event (or user_likes) group. See the Identity Information in the Enrollment Record to view the User Groups.

NOTE

To obtain the **Event ID** or **Page ID**, right-click on the FB page or event and **View Page Source**, then search for the string **event_id** or **page_id**.

6. Click **Save**. The Facebook authentication step is added to your enrollment workflow.

FIGURE 2 Workflow with Facebook Authentication



User Experience for Facebook Authentication

During the enrollment process, the user is prompted to authenticate using their Facebook credentials.

- If the user is logged into Facebook, the enrollment continues.
- If the user is not logged into Facebook, they are prompted to log in, and after a successful authentication, redirected back to Cloudpath to continue with the enrollment process.

FIGURE 3 Authenticate Using Facebook



Using Google for Third-Party Authentication

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Setting Up the Google Application

Before configuring Cloudpath for Google authentication, you must set up the Google application.

What You Need To Set Up The Google Application

- Google login credentials
- Branding information for your application
- Redirect URL for your application

Creating the Google Web Application Project

The steps given here are only very high-level to inform you what information you will need to collect from your Google project that is needed on the Cloudpath UI-side configuration. You need to refer to your Google developer's documentation for all the information about creating your application.

1. Go to <https://console.developers.google.com>.
2. Sign in to your Google account.
3. Create and name your API web-application project.
4. During creation of your application, you may see a field called "Authorized Javascript origins." Leave this field blank.
5. When you get to the "Authorized redirect URIs" field, the entry must be in this format: `${ENROLLER_URL}/enroll/google/`, where `${ENROLLER_URL}` is the external URL to which the user is redirected. For multiple redirect URLs, enter one path on each line.

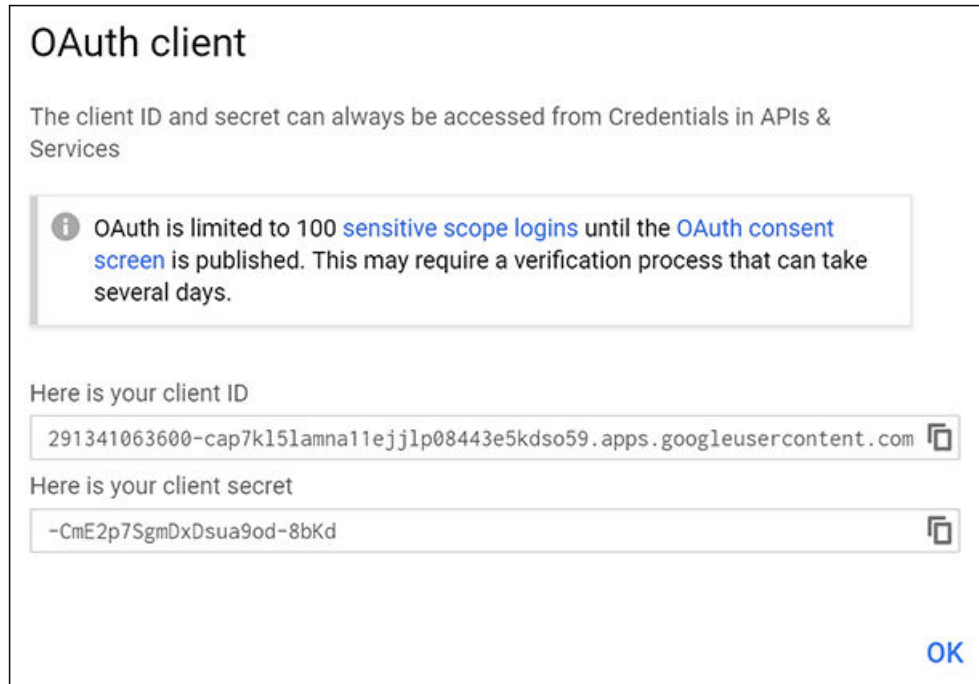
NOTE

To obtain the Redirect URI, when you are creating a workflow and you choose the "Authenticate to a third party" step and click **Next**, scroll down to the "Google" section and click the "Google Supported ?" checkbox. The redirect URI appears.

6. At some point during the process, you will be notified of the following information that you need to take note of because you will need this information for Cloudpath configuration:
 - client ID
 - client Secret

An example of one screen that provides you with this information is the following:

FIGURE 4 Client ID and Client Secret for Google Application



Setting Up Cloudpath for Google Authentication

After the Google application is set up, you configure an authentication step in Cloudpath to prompt the user for the Google credentials.

What You Need to Configure Cloudpath for Google

- Google application Client ID
- Google application Client Secret

How to Add Google Authentication to the Workflow

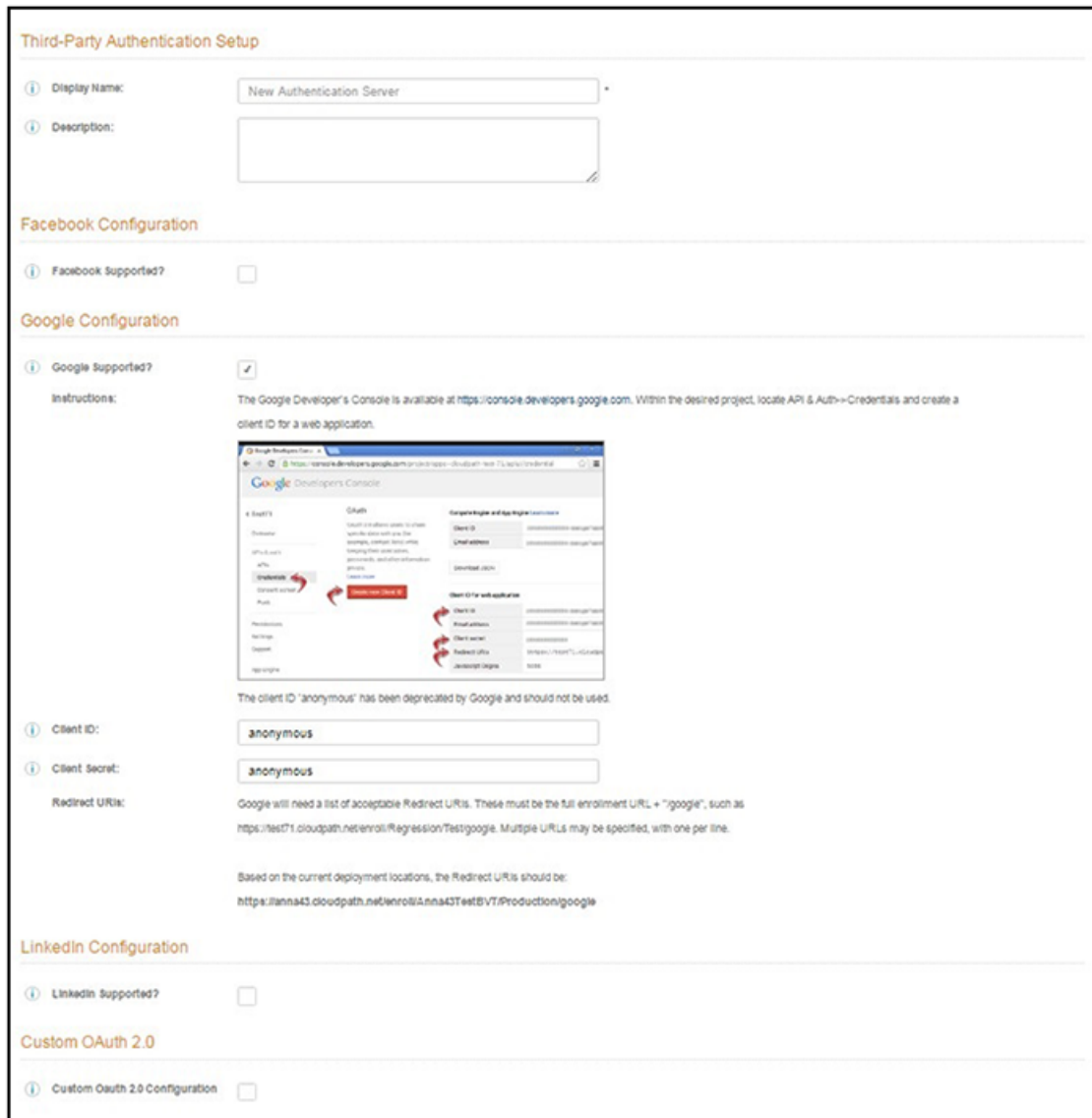
1. Create an enrollment workflow for third-party authentication.
2. Add an enrollment step that prompts the user to authenticate through a third-party source.

3. Select **Create a new configuration**.

The **Third-Party Authentication Setup** page allows you to specify which third-party sources are allowed as well as API information related to those sources.

4. Enter the **Name** and **Description** of this configuration.

FIGURE 5 Google Third-Party Authentication Setup

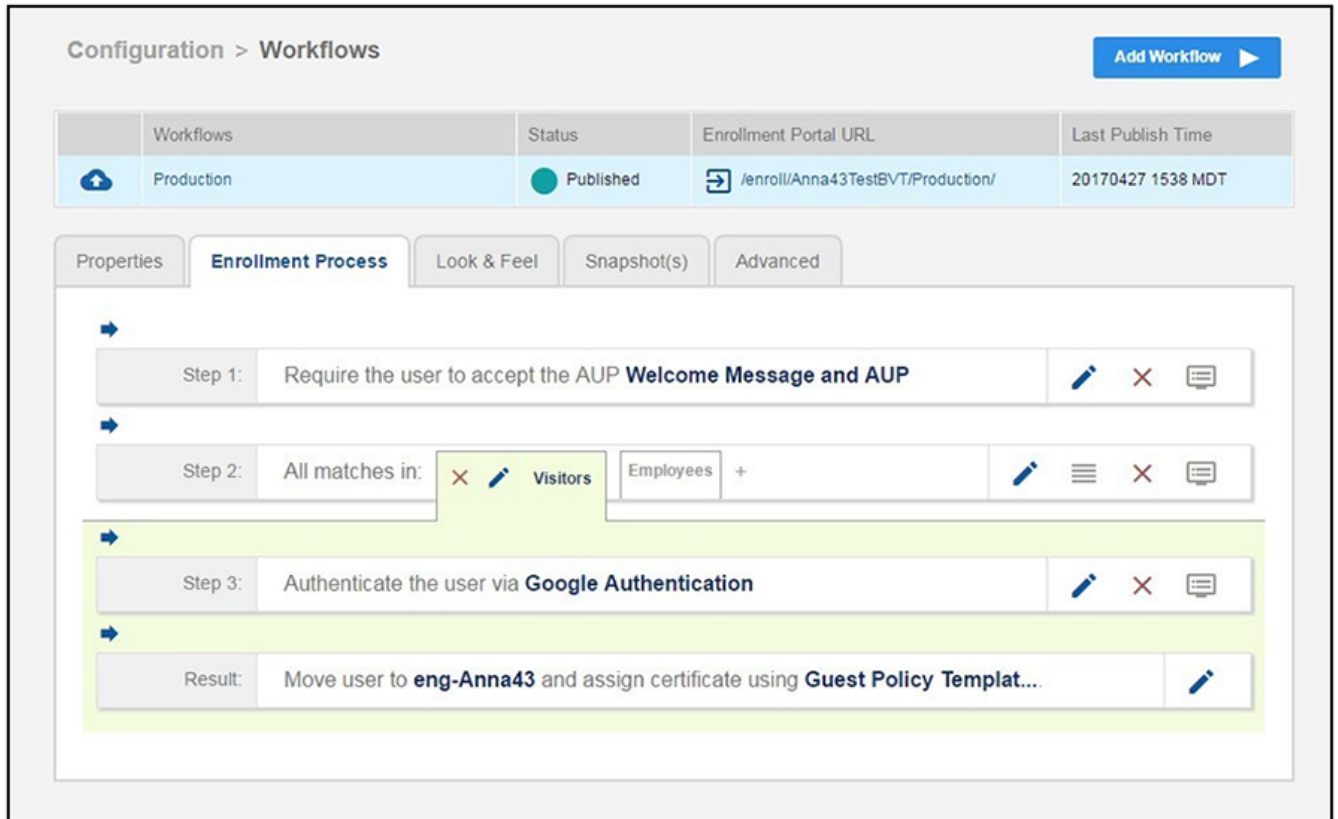


5. In the Google Configuration section, check the **Google Supported?** box.
6. Read the instructions for creating a client key. Be sure that the URI in the Google application matches the instructions on this page.
7. Enter the **Client ID** and **Client Secret** from the Google application.

Note: These entries must match what is specified in the Google application.

8. Click **Save**. The Google authentication step is added to your enrollment workflow.

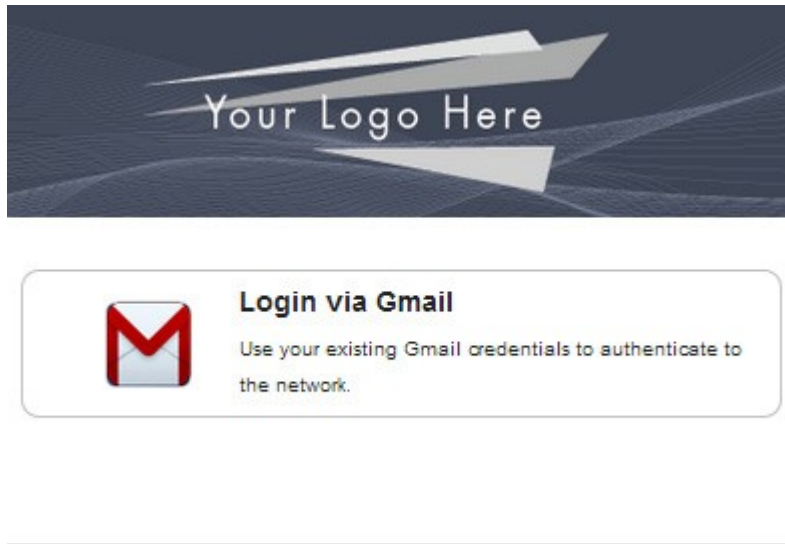
FIGURE 6 Cloudpath Workflow



User Experience for Google Authentication

When a user attempts to gain access to your network, they receive the Google authentication prompt during the enrollment process.

FIGURE 7 User Prompt for Google Authentication



After authenticating the user with their Gmail credentials, Cloudpath continues with the enrollment process and moves the user to the secure network.

Using LinkedIn for Third-Party Authentication

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Setting Up the LinkedIn Application

Before configuring Cloudpath for LinkedIn authentication, you must set up the LinkedIn application.

What You Need To Set Up The LinkedIn Application

- LinkedIn login credentials
- Name and Description for your application
- Privacy policy URL for your company
- JavaScript API Domain

How to Set Up the LinkedIn App

1. Navigate to <http://developer.linkedin.com>.
2. Sign in to your LinkedIn account.
3. Click **Create app**.

4. The **Create an app** page displays.

FIGURE 8 Create an app Screen on LinkedIn Developers Site

LinkedIn DEVELOPERS Products Documentation Help

Create an app

App name
CloudpathTestapp

1. App information

Company name
Ruckus Networks

App description
Test LinkedIn Authentication

App logo
This is the logo displayed to users when they authorize with your app.
Upload a logo

Privacy policy URL
https://jeff243.cloudpath.net/enroll/JackTest/Production

Business email
jeff@arris.com

2. Products

3. Legal terms

When you develop on our platform, you are agreeing to be bound by our [API Terms of Use](#).
In addition, certain products may be subject to additional terms:
[Plugins Terms of Use](#)

I have read and agree to these terms

Cancel Create app

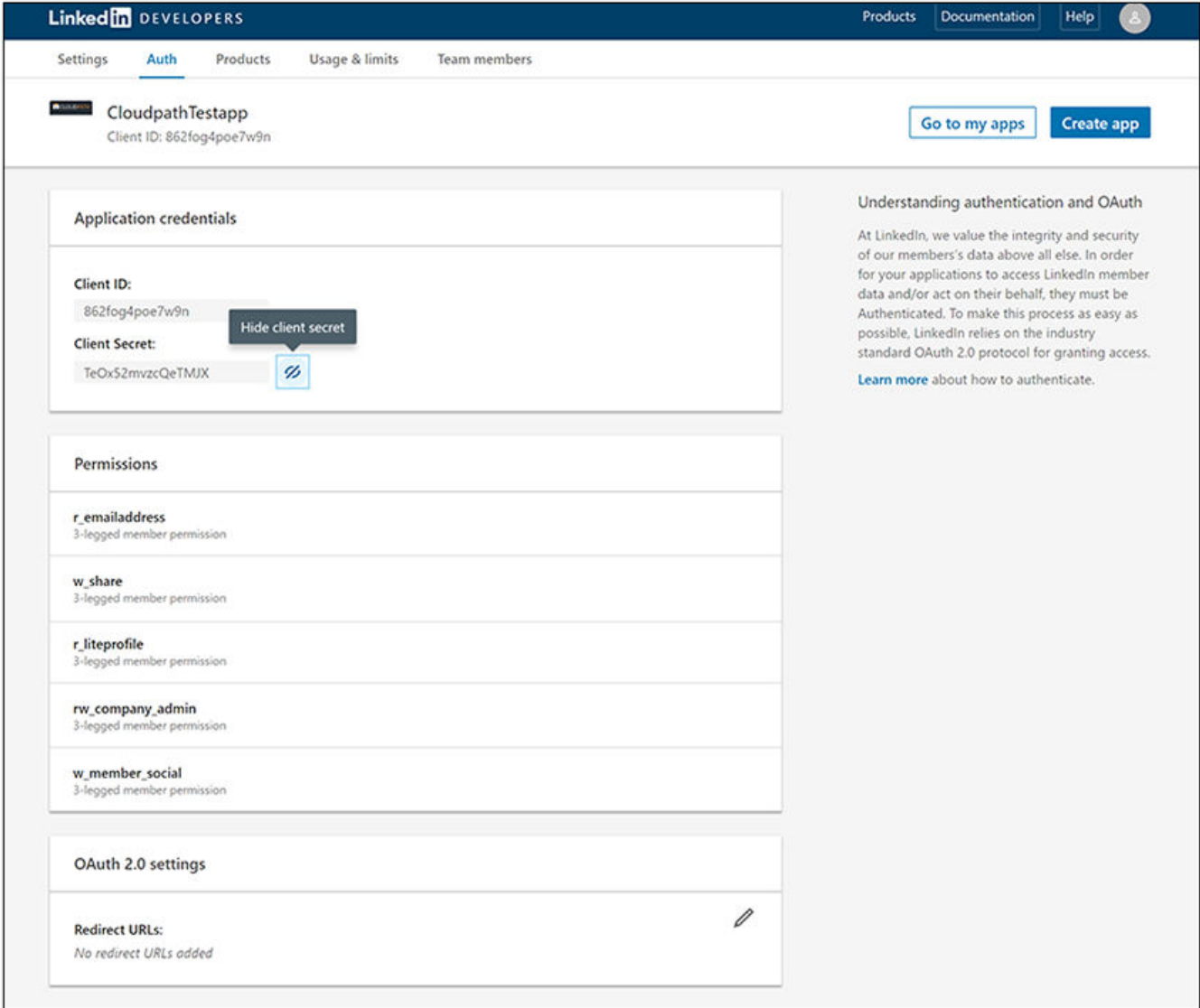
Notes
When naming your app please provide a unique application name less than 50 characters.
The privacy policy entered will be shown to each user when your app requests access to their LinkedIn member data.
Depending on the products added, we may need to further review your request and we may require additional information after you create the app before we can provision API access. We will follow-up by email to the primary email address associated with your LinkedIn member account if we need more information and to inform you of our decision.

5. Enter the following information for your application:

- App name (name of your application)
- Company name
- App description
- Upload an application logo
- Private policy URL (of your company)
- Business Email

- 6. Agree to the **Terms of Service** and click **Create app**.
The application is created, and you are returned to a screen that provides the information you just configured.
- 7. Click the **Auth** tab of your application screen. An example figure is shown below:

FIGURE 9 Auth Tab Settings of Newly Created Application



- In the OAuth 2.0 settings section, use the pencil icon to enter the Redirect URLs.

NOTE

These must be acceptable Redirect URLs and must include the full enrollment URL + "/linkedin". An example is:
`https://jeff243.cloudpath.net/enroll/JackTest/Production/linkedin`.

You obtain the "Redirect URL" during workflow creation when you add a step to "Authenticate to a third party."

For more information, refer to [How to Add LinkedIn Authentication to the Workflow](#) on page 20. (Figure 11 on page 21 shows the Redirect URL, which appears once you have checked the "LinkedIn Supported?" box when adding the third-party authentication step.)

You can add multiple URLs.

The following figure shows the Redirect URL section after adding a URL:

FIGURE 10 Redirect URL Added to LinkedIn Configuration



- Click **Update** to save configuration changes to your application.

Make a note of your **Client ID** and **Client Secret**. You need this information to set up the LinkedIn authentication within Cloudpath.

Setting Up Cloudpath for LinkedIn Authentication

After the LinkedIn application is set up, you configure an authentication step in Cloudpath to prompt the user for the LinkedIn credentials.

What You Need to Configure Cloudpath for LinkedIn

- LinkedIn application Client ID (API Key in previous versions)
- LinkedIn application Client Secret (Secret Key in previous versions)

How to Add LinkedIn Authentication to the Workflow

You can add a step to the enrollment workflow to authenticate a user by using the LinkedIn application.

- Create an enrollment workflow for third-party authentication.
- Add an enrollment step that prompts the user to authenticate through a third-party source. The **Third-Party Authentication Setup** page allows you to specify which third-party sources are allowed as well as API information related to those sources.
- Place the authentication step after the **User Type** option.

4. Enter the **Name** and **Description** of this configuration.
5. Scroll down to the **LinkedIn Configuration** section, and check the **LinkedIn Supported?** box.

FIGURE 11 Cloudpath Third-Party Authentication Setup for LinkedIn

LinkedIn Configuration

LinkedIn Supported?

Instructions: The LinkedIn Developer's Console is available at <https://developer.linkedin.com>. From My Apps, create a new app for a website. You will need the Client ID and Client Secret for the app.

API Key:

Secret Key:

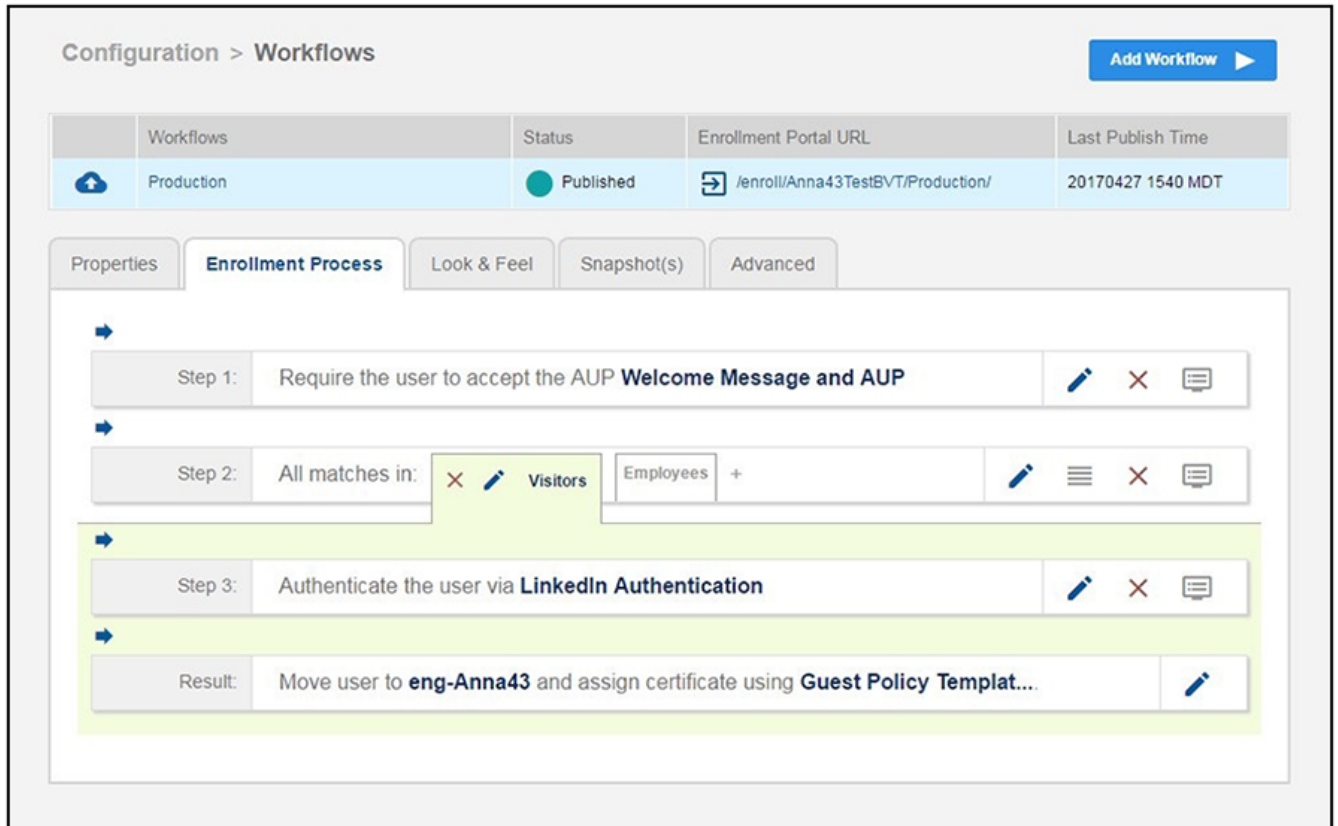
Redirect URL: LinkedIn will need a list of acceptable "Authorized Redirect URLs". These must be the full enrollment URL + "/linkedin", such as <https://test71.cloudpath.net/enroll/Regression/Test/linkedin>.

Based on the current deployment locations, the Redirect URLs should be:
<https://jeff243.cloudpath.net/enroll/JackTest/Production/linkedin>

6. In the API Key field, enter the Client ID from the LinkedIn Auth Tab Settings of Newly Created Application screen (refer to [Figure 9](#) on page 19).
7. In the Secret Key field, enter the Client Secret from the LinkedIn Auth Tab Settings of Newly Created Application screen (refer to [Figure 9](#) on page 19).

8. Click **Save**. The LinkedIn authentication step is added to your enrollment workflow.

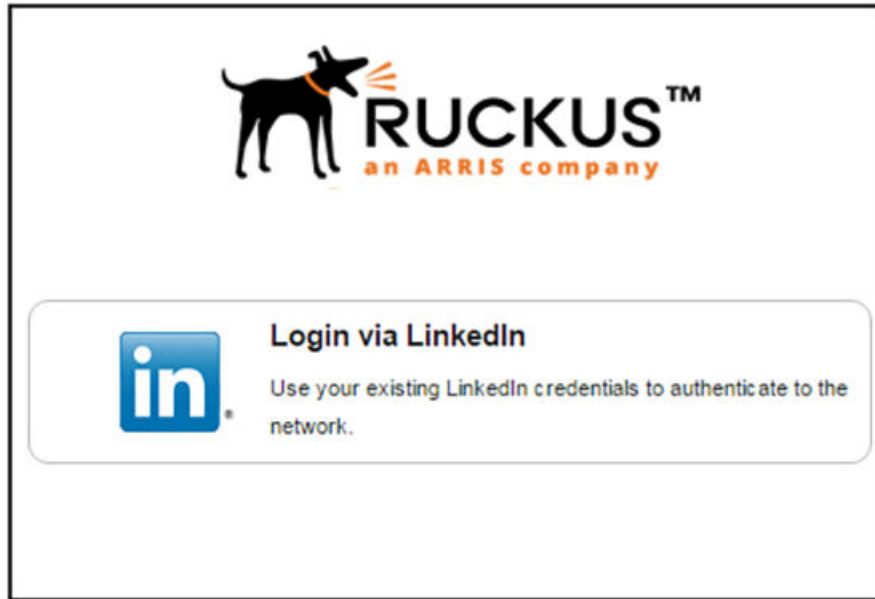
FIGURE 12 Cloudpath Workflow With LinkedIn Step Added



User Experience for LinkedIn Authentication

When a user attempts to gain access to your network, they receive the LinkedIn authentication prompt during the enrollment process.

FIGURE 13 User Prompt for LinkedIn Authentication



After authenticating the user with their LinkedIn credentials, Cloudpath continues with the enrollment process and moves the user to the secure network.



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