

## XpressConnect Enrollment System

# Setting Up Third-Party Authentication Within the XpressConnect Enrollment System Using LinkedIn™

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**Summary:** This document describes how to create a LinkedIn application for use with the Enrollment System, and how to configure the Enrollment System to use the LinkedIn application for authentication. **Document Type:** Configuration **Audience:** Network Administrator



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## Setting Up Third-Party Authentication Within the XpressConnect Enrollment System Using LinkedIn™

## **Overview**

The XpressConnect Enrollment System (ES) automates WPA2-Enterprise configuration on any device that connects to the network and automatically connects the device to a secure SSID. This *Automated Device Enablement* means authorized devices onboard simply and securely, with the appropriate level of access. By using the ES with Automated Device Enablement, the user gets configured and connected, regardless of device type, ownership, or level of access.

The flexible workflow engine gives network administrators further control by blending traditional policies (Active Directory, RADIUS, and integration with Microsoft CA) with additional policy capabilities (LinkedIn, Facebook, and Google Gmail). When you combine third-party authentication with traditional authorization methods, the social media provides additional identity information during the onboarding process to deliver automated, self-service access for all devices.



#### FIGURE 1. XpressConnect Onboarding System

## Setting Up the LinkedIn Application

Before configuring the Enrollment System for third-party authentication, you must set up the LinkedIn application.

### What You Need

- LinkedIn login credentials
- Name and Description for your application
- Website URL for your application
- JavaScript API Domain

## LinkedIn App Configuration

This section describes how to create the LinkedIn application to use with the Enrollment System.

### How to Set Up the LinkedIn App

- 1. Navigate to http://developer.LinkedIn.com.
- 2. Select MyApps.
- 3. Sign in to your LinkedIn account.
- 4. Click Create Application (or locate an existing application from the My Apps menu).
- 5. The My Applications page appears.

#### FIGURE 2. Create Applications

My Applications	Create Application
Create a New Application	
Company Name:*	
Cloudpath Networks	
Name: *	
AnnaTest Application	
Description: *	
Test QAuth via LinkedIn	
Application Logo URL: * Based on the current deployment locations, the Redirect URIs	
Application Use: *	
Other 🔻	
Website URL:*	
https://anna41.cloudpath.net/admin	
Business Email: *	
anna@cloudpath.net	
Business Phone:*	
303-555-1212	
✓ I have read and agree to the LinkedIn API Terms of Use.	
Submit Cancel	

- **6**. Enter the following information for your application:
  - Company Name
  - Name (of your application).
  - Description
  - Application Logo URL
  - Application Use
  - Website URL

- Business Email
- Business Phone
- 7. Agree to the *Terms of Service* and click *Submit*.
- 8. The application is created and the configuration page displays.

#### FIGURE 3. Application Configuration Page

Linked in <sub>©</sub> Developers	Home Docs Support Partners Blog Legal <b>My Apps</b> REST Console			
Cloudpath	naTest Application			
Authentication				
Settings	Authentication Keys			
Roles				
Mobile	Client ID: 78b9qqr0b4heqj			
JavaScript	Client Secret: BPd ZfR/WILKGCV3			
OS				
Usage & Limits				
My Applications	Default Application Permissions			
	□ w_share OAuth 2.0			
	Authorized Redirect URLs:			
	Add			
	https://anna43.cloudpath.net/enroll/AnnaTest/Production/linke			
OAuth 1.0a				
	Default "Accept" Redirect URL:			
	Default "Cancel" Redirect URL:			
	Update Cancel			

9. Enter the Authorized Redirect URLs and click Add.

#### Note >>

LinkedIn will need a list of acceptable Redirect URIs. These must be the full enrollment URL + "/linkedin", such as https://test.cloudpath.net/enroll/ *Regression/Test/linkedin*. Multiple URLs may be specified, with one per line.

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

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

## Setting Up the Enrollment System

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

#### What You Need

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

## **Enrollment System Configuration**

This section describes how to add a step to the enrollment workflow to authenticate a user using the LinkedIn application.

#### How to Add Third-Party 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. Place the authentication step after the User Type option.
- 4. 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.

Third-Party Authentication Setup	Cancel	< Back Save
Reference Information		
Reference Information		
💿 Name:		]
Description:		]
		;
Facebook Configuration		
Facebook Supported?		
App ID:		1
Secret:		]
Scope:		]
E Scope.		]
Event ID:		]
Page ID:		]
Group ID:		
Google Configuration		
Google Supported?		
Client ID:	anonymous	]
Client Secret:	anonymous	]
LinkedIn Configuration		
🖲 LinkedIn Supported?		
🖲 API Key:		]
Secret:		]
Current of Auth 2.0		
Custom OAuth 2.0		
Custom Oauth 2.0 Configuration		
🖲 Name:		]
Description:		]
+ Icon:	Choose File No file chosen	
Consumer Key:		]
Consumer Secret:		]
Access Token Endpoint URL:		]
Authorize URL:		]
🖭 Data URL:		]
🖲 Scope		]

#### FIGURE 4. Enrollment System Third-Party Authentication Setup

- 5. Enter the *Name* and *Description* of this configuration.
- 6. In the LinkedIn Configuration section, check the *LinkedIn Supported?* box.
- 7. Enter the *Client ID* (*API Key* in previous versions) and *Client Secret* (*Secret Key* in previous versions) from the LinkedIn application.

#### Note >>

These entries must match what is specified in the LinkedIn application.

6 w.cloudpath.pat 8. Click Save. The LinkedIn authentication step is added to your enrollment workflow.

FIGURE 5. Enrollment System Workflow

Workflow	LinkedIn Config Y View: Workflow Look & Feel Properties	×	
A workflow defines the sequence a user must go through to register and connect to the network. This includes the display of messages to the user, the acceptance of use policies, and authentication of the user and/or device. Each item below represent a step within the process. To add additional steps, click the insert arrow on the left side of row.			
Ste	1: Require the user to accept the AUP Welcome Message and AUP	.∥ X Q	
Ste	2: Split users by: Visitors Employees X Partners	.∥ ≣ × Q	
Ste	3: Authenticate the user via LinkedIn Authentication	II X Q	
Ste	94: Split users by: Internet-Only X Internal Access	. I ≡ X Q	
Ste	5: Prompt the user for a voucher from Partner Internal Access Vouchers	JXQ	
Ste	6: Display the message Contractor Welcome Message	JXQ	
Res	ult: Move user to Test Device Configuration and assign certificate using Client.		

## **User Experience**

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

FIGURE 6. User Prompt for LinkedIn Authentication



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

## **Additional Documentation**

You can find detailed information in the Enrollment System configuration guides, located on the left-menu Support tab of the ES Admin UI.

## **About Cloudpath**

Cloudpath Networks, Inc. provides software solutions and services that simplify the adoption of standards-based security, including WPA2-Enterprise and 802.1X, in diverse BYOD environments. Our goal is to make secure as simple as insecure; simple for network administrators to deploy and simple for users to access.

To learn more about the XpressConnect Enrollment System and how it can simplify your wireless environment, visit <u>www.cloudpath.net</u> or contact a Cloudpath representative.

If you need technical assistance, discover a bug, or have other technical questions, email support at support@cloudpath.net.

## **Contact Information**

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