

XpressConnect Enrollment System

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

Software Release 4.2 December 2015

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



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

Software Release 4.2 December 2015

Copyright © 2015 Cloudpath Networks, Inc. All rights reserved.

Cloudpath Networks and *XpressConnect* are trademarks of *Cloudpath Networks, Inc.* Other names may be trademarks of their respective owners.

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

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 Facebook Application

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

What You Need

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

Facebook App Configuration

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

Create the New App

- 1. Go to http://developer.facebook.com.
- 2. Click the My Apps tab and log in using your Facebook credentials.
- 3. From the My Apps tab, select Add a New App.
- 4. On the Add a New App page, select Website. This automatically brings up the Quick Start for Website wizard.

Note >>

This guide describes how to create the App ID using the *Developer Dashboard*, not the Quick Start wizard.

- 5. On the top right of the Quick Start, click Skip and Create ID.
- 6. Enter the name of the new application and click Create New FB App ID.
- 7. On the Create New App ID page, enter the app Display Name and Namespace.
- 8. Select a Category, and click *Create App ID*.
- 9. Complete the Captcha Security Check.
- **10**. The *Apps* page for your application opens with the *Dashboard* tab selected.

FIGURE 2. Facebook Apps Dashboard

Developers My Apps	Products D	ocs Tools & Support	News		
Test New Web App	Dashboard				
③ Dashboard		Test New V)	
Settings		App ID	API Version [?]	App Secret	
★ Status & Review		1099913133369364	v2.3	•••••	Show
App Details					
L Roles	Getting Started				
🔥 Open Graph	using the Facebo	ook SDK for IOS, Android, Ca	nvas and Websites.		
Alerts	Facebook Login				
Nocalize	Active Login Use	ers Trend			
Canvas Payments					
Audience Network	1		ary Active 65615		\$÷ ▼
🐣 Test Apps					
Malytics					

Tip >>

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

Configure Basic App Settings

- 1. Select the left-side *Settings* tab.
- 2. If needed, select the top-menu Basic tab.
- **3.** Enter the *App Domain(s)* and *Contact Email* for your application.
- 4. Click Add Platform.

FIGURE 3. Basic Settings

F Developers Apps -	Products Docs Tools - Support	Q Search in docs
Cloudpath Test Ne 🔻	Basic	Advanced Migrations
③ Dashboard	App ID	App Secret
🌣 Settings	515051978616780	Show
	Display Name	Namespace
★ Status & Review	Cloudpath Test New App	cloudpath_test_app
App Details	App Domains	Contact Email
Roles		Used for important communication about your app
🖧 Open Graph	+	Add Platform
Alerts	Delete App	Discard Save Changes
Localize		
Payments		
Audience Network		
🐣 Test Apps		
M Insights		

- 5. On the Select Platform window, select Website.
- 6. Enter the Site URL for your site.

Configure Advanced App Settings

- 1. While on the left-menu *Settings* tab, select the top-menu *Advanced* tab.
- 2. In the OAuth section, enter the *Valid OAuth Redirect URI*. The URI format should be similar to *https://test.company.com/enroll/Test/Production/facebook*.

Test New Web App	Basic	Advanced	Migrations
 Dashboard Settings Status & Review 	No Native or desktop app? Enable if your app is a native or desk Deauthorize Callback URL What should we ping when a user deauthor	top app izes your app?	
🌍 App Details	App Restrictions		
Roles	Contains Alcohol Restricts age in some locations (?)	Age Restri	ction
Open Graph Alerts	YES Social Discovery App shows up in Newsfeed	Anyone (13+) • Country Restricted Restrict app to users in selected countries
Nu Localize	Security		
Canvas Payments	Course ID White list		
Audience Network	App requests using the app secret must originate fro	om these IP addresses.	
🐣 Test Apps	Update Settings IP Whitelist		
🖂 Analytics	App Settings can only be updated from these IP add	resses.	
	Update Notification Email	ass when undates are	made to ann settings
	Client Token		made to app settings.
	3db506f084e092bcc4d0ee66d5fd1969		Reset
	NO Require App Secret Require app secret for server API ca VES Allow API Access to App Settin Set to No to prevent changes to app through API calls	lls No gs settings	Require 2-Factor Reauthorization Require 2-fac to change application settings
	OAuth Settings		
	VES Client OAuth Login Enables the OAuth Client login flow Valid OAuth redirect URIs	NO	Embedded browser OAuth Login Browser control for OAuth client login
	https://test.company.com/enroll/Test/Production/face	book ×	

FIGURE 4. Advanced Settings

3. Click Save Changes.

Note >>

Your changes may take several minutes to propagate to all servers.

Setting Up the Enrollment System

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

What You Need

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

Enrollment System Configuration

This section describes how to add a step to the enrollment workflow to authenticate a user using a Facebook 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. 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			
Reference Information			
Reference Information			
Name:	LinkedIn, Facebook, or Gmail]	
Description:			
		;	
Facebook Configuration			
Facebook Supported?	V		
• App ID:	240420922689846]	
Secret:	7d7943a06c1a936aa204a62733496f85]	
• Scope:	read_stream,email,user_groups]	
Event ID:]	
🖲 Page ID:	415657268463174]	
🖲 Group ID:		1	
Coogle Continuention		-	
Google configuration			
Google Supported?			
Client ID:	anonymous]	
Client Secret:	anonymous]	
LinkedIn Configuration			
EinkedIn Supported?	V		
API Key:	z6pif7gaisz2]	
Secret:	FzFsHLTskkhDFCdz]	
Custom OAuth 2.0			
Eustom Oauth 2.0 Configuration			
• Name:		1	
Description:]	
+ Icon:	Choose File No file chosen	-	
Consumer Key:		1	
Consumer Secret:]	
Access Token Endpoint URL:]	
Authorize URL:]	
]	
Scope]	
Scope		1	

FIGURE 5.	Enrollment S	System	Third-Partv	Authentication	Setup
FIGURE 5.	Enroliment S	ystem	Infru-Party	Authentication	Sei

- 4. Enter the *Name* and *Description* of this 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, Page ID, and Group ID - Allows the application to provide additional information about the user.

Note >>

You must add user likes in the scope to use Page ID and you must add user_groups in the scope to use a Group ID.

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

FIGURE 6. Enrollment System Workflow

orkflow Test	Workflow View: Workflow Look & Feel Properties	
A workflow defin	es the sequence a user must go through to register and connect to the network. This includes the dis	play
Each item below	represent a step within the process. To add additional steps, click the insert arrow on the left side of	row.
Step 1:	Require the user to accept the AUP Welcome Message and AUP	JXQ
Step 2:	Solit users by: V @ Vicihare Emelance	.∥ ≣ × 9,
Step 3:	Authenticate the user via Facebook Authentication	IX Q
Result:	Move user to BVT ES With TLS and assign certificate using Client Template.	
Kesult:	Hove age to by LES with TES and assign continente daing circuit reinplate.	1.08

User Experience

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

FIGURE 7. User Prompt for Facebook Authentication



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

9

Terminology

The following table defines terminology for the Facebook authentication feature.

Term	Definition
App ID	The ID that Facebook assigns to your application.
App Secret	The secret key that allows your app to capture the Facebook request objects.
Enrollment	The process of a user becoming authenticated and ultimately gaining network access.
Enrollment workflow	The sequence a user must go through to register and connect to the network.
Facebook app	A web application directly within Facebook that allows you to add Facebook capabilities to an external website.
Onboarding Wireless Network	An open wireless network that provides access to the Enrollment System.
Secure Wireless Network	A WPA2-Enterprise wireless network.
Scope parameters	Permissions that allows your application to obtain additional data from the Facebook application.
Third-Party Authentication	Allow access to a network using a secure login through an outside application.

TABLE 1. Sponsored Guest Access Terminology

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

General Inquiries: info@cloudpath.net

Support:support@cloudpath.net

Sales:sales@cloudpath.net

Media:media@cloudpath.net

Marketing:marketing@cloudpath.net Phone:+1 303.647.1495 (US) +1 866.472.6053 (US) +44 (01) 161.261.1400 (UK) Fax:+1 760.462.4569 Address:1120 W 122nd Ave, Suite 302 Westminster, CO 80234 USA