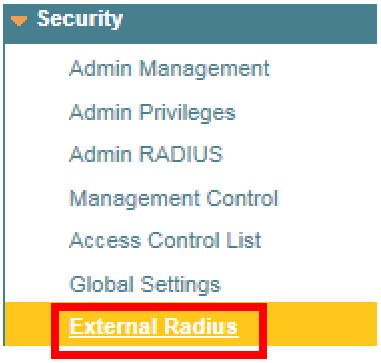
Ruckus Cloudpath – Xirrus AP Integration

This document describes how to setup a Xirrus AP for integration into Ruckus Cloudpath for user enrollment and policy management. This configuration was performed on Cloudpath 5.1 and Xirrus XR630 AP running software version 8.2.4. This document assumes that the access point is operational and has network connectivity. It also assumes that Cloudpath is operational. The workflow will be discussed later in the document.

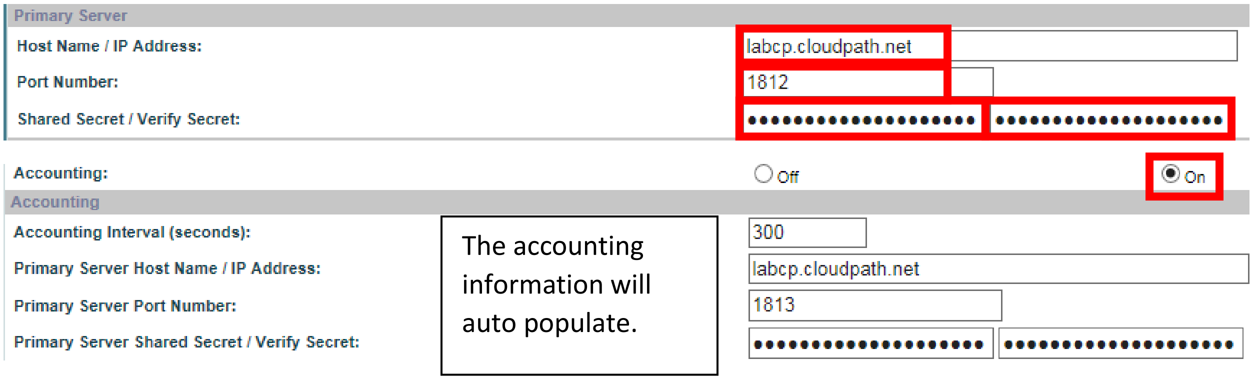
First we must configure Cloudpath to be the External Radius server for the AP.

Go to Configuration -> Security -> External Radius



Enter the information for Cloudpath Authentication and Accounting.

Note: *This information is located on the Cloudpath server under Configuration –> Radius Server -> Radius Server Settings.*



Primary Server

Host Name / IP Address:	labcp.cloudpath.net	
Port Number:	1812	
Shared Secret / Verify Secret:	●●●●●●●●●●●●●●●●●●●●	●●●●●●●●●●●●●●●●●●●●
Accounting:	○ Off	● On

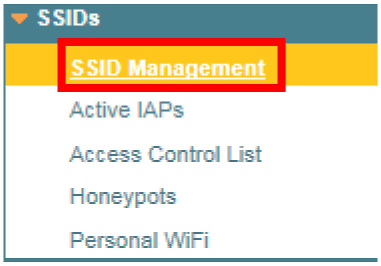
Accounting

Accounting Interval (seconds):	300	
Primary Server Host Name / IP Address:	labcp.cloudpath.net	
Primary Server Port Number:	1813	
Primary Server Shared Secret / Verify Secret:	●●●●●●●●●●●●●●●●●●●●	●●●●●●●●●●●●●●●●●●●●

The accounting information will auto populate.

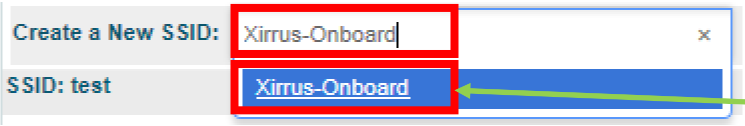
Configure the SSIDs:

Go to Configuration -> SSIDs -> SSID Management



Create the Onboarding SSID.

Type the required name and click the linked name.

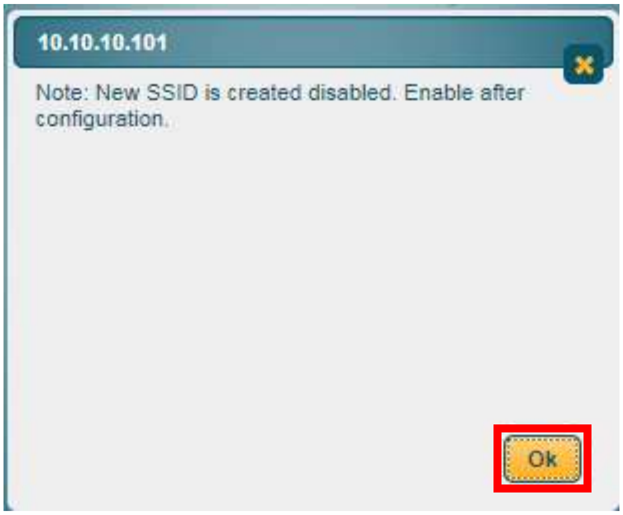


Create a New SSID: Xirrus-Onboard

SSID: test

Linked Name

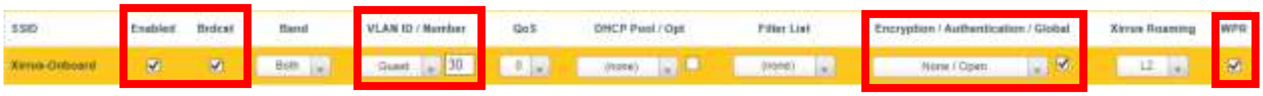
Click OK.



10.10.10.101

Note: New SSID is created disabled. Enable after configuration.

Configure the following settings:



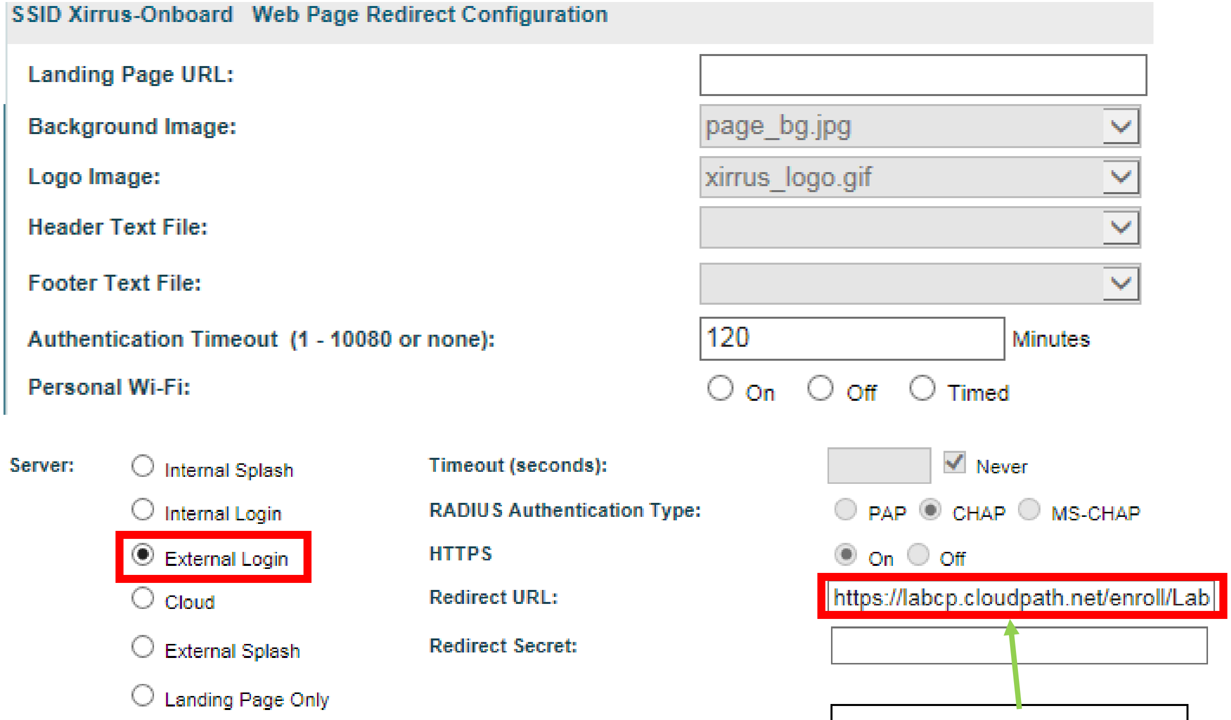
SSID	Enabled	Brdcst	Band	VLAN ID / Number	QoS	DHCP Pool / Opt	Filter List	Encryption / Authentication / Global	Xirrus Roaming	WPR
Xirrus-Onboard	☑	☑	Both	Guest 30	0	(none) □	(none)	None / Open ☑	L2	☑

VLAN (optional)

Encryption is None/Open and check Global

Web Page Redirect

Configure the Redirect to Cloudpath:



SSID Xirrus-Onboard Web Page Redirect Configuration

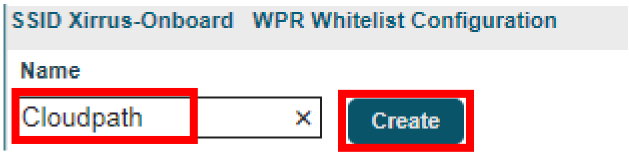
Landing Page URL:	
Background Image:	page_bg.jpg
Logo Image:	xirrus_logo.gif
Header Text File:	
Footer Text File:	
Authentication Timeout (1 - 10080 or none):	120 Minutes
Personal Wi-Fi:	○ On ○ Off ○ Timed

Server:	○ Internal Splash	Timeout (seconds):	☑ Never
	○ Internal Login	RADIUS Authentication Type:	○ PAP ● CHAP ○ MS-CHAP
	● External Login	HTTPS	● On ○ Off
	○ Cloud	Redirect URL:	https://labcp.cloudpath.net/enroll/Lab
	○ External Splash	Redirect Secret:	
	○ Landing Page Only		

The Redirect URL: is from Cloudpath under the Workflow Enrollment Portal URL

Create the Whitelist:

Enter a name and click create.



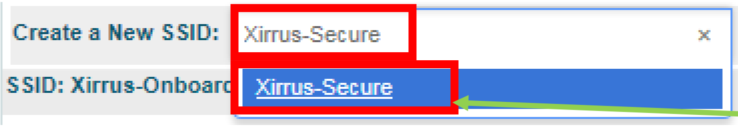
SSID Xirrus-Onboard WPR Whitelist Configuration

Name

Cloudpath ×

Configure the Secure SSID

Type the required name and click the linked name.

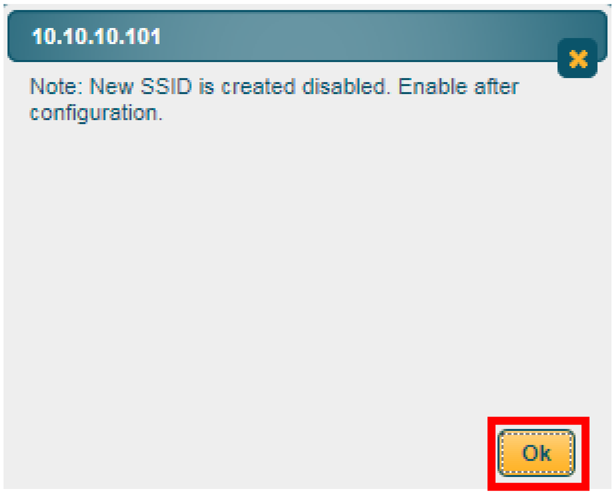


Create a New SSID: Xirrus-Secure ×

SSID: Xirrus-Onboard

Linked Name

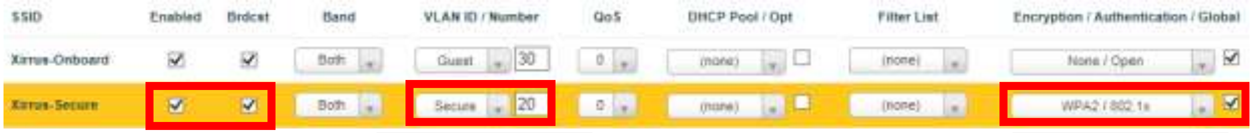
Click OK



10.10.10.101

Note: New SSID is created disabled. Enable after configuration.

Configure the following settings:

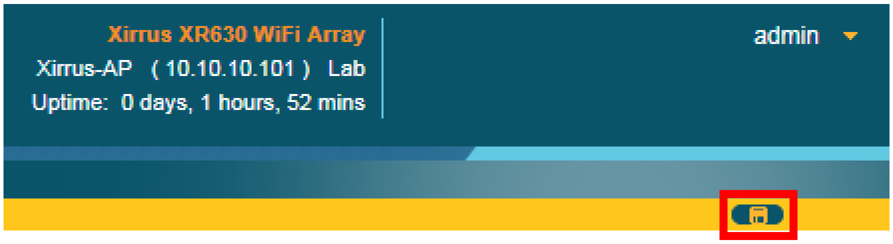


SSID	Enabled	Brdcst	Band	VLAN ID / Number		QoS	DHCP Pool / Opt		Filter List	Encryption / Authentication / Global	
Xirrus-Onboard	☑	☑	Both	Guest	30	0	(none)	□	(none)	None / Open	☑
Xirrus-Secure	☑	☑	Both	Secure	20	0	(none)	□	(none)	WPA2 / 802.1x	☑

VLAN (optional)

Encryption is WPA2/802.1x and check Global

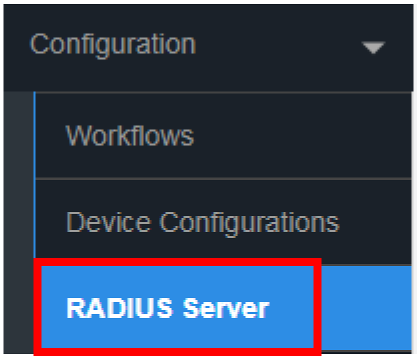
Save the configuration on the AP.

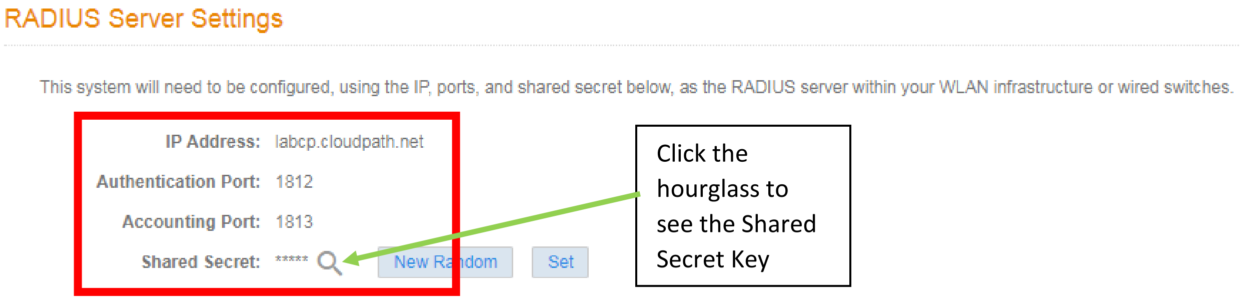


Xirrus XR630 WiFi Array
Xirrus-AP (10.10.10.101) Lab
Uptime: 0 days, 1 hours, 52 mins

Cloudpath Information

Radius Server information:





RADIUS Server Settings

This system will need to be configured, using the IP, ports, and shared secret below, as the RADIUS server within your WLAN infrastructure or wired switches.

IP Address: labcp.cloudpath.net

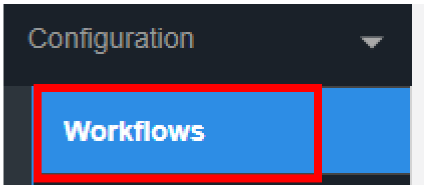
Authentication Port: 1812

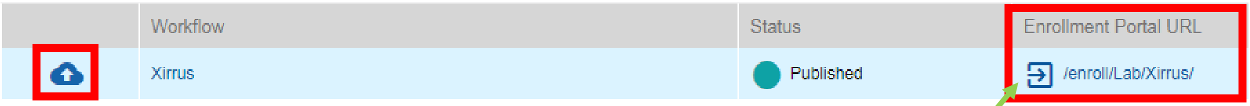
Accounting Port: 1813

Shared Secret: *****

Click the hourglass to see the Shared Secret Key

Workflow Information:





	Workflow	Status	Enrollment Portal URL
	Xirrus	● Published	/enroll/Lab/Xirrus/

Shows the workflow is published

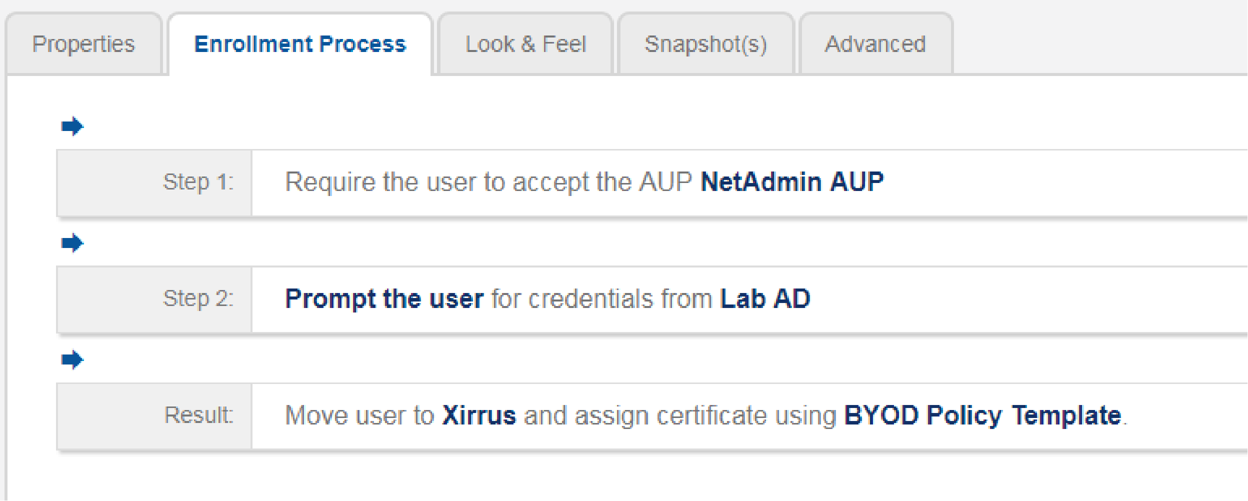
Enrollment Portal URL:

The Enrollment Portal URL: https://labcp.cloudpath.net/enroll/Lab/Xirrus/

Cloudpath Server Hostname

Portal URL

Workflow configuration:



Step 1: Require the user to accept the AUP **NetAdmin AUP**

Step 2: **Prompt the user** for credentials from **Lab AD**

Result: Move user to **Xirrus** and assign certificate using **BYOD Policy Template**.