Cloudpath and Brocade/Motorola Wireless Integration

This document describes the steps required to integrate a Brocade/Motorola Wireless System with Ruckus Cloudpath. This is not a definitive guide as different situations and requirements require different configurations. This is a guide to get you as close as possible to a finished product.

For this setup, we are using Ruckus Cloudpath version 5.1 and Moto Wing 5.5 on a 7131 AP acting as a virtual controller. We will use an Onboarding SSID and a Secure SSID.

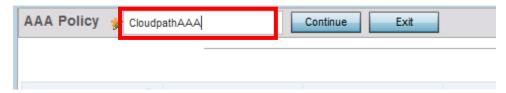
First we need to configure the AAA Policy in the Brocade/Motorola (Moto) controller.

Configure Cloudpath as a AAA Server in the controller:

Go to Configuration -> Network -> AAA Policy

Select Add at the bottom Right

Name the new AAA Policy and click continue



All the information required on the next tabs comes from Cloudpath (Configuration -> Radius Server).

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

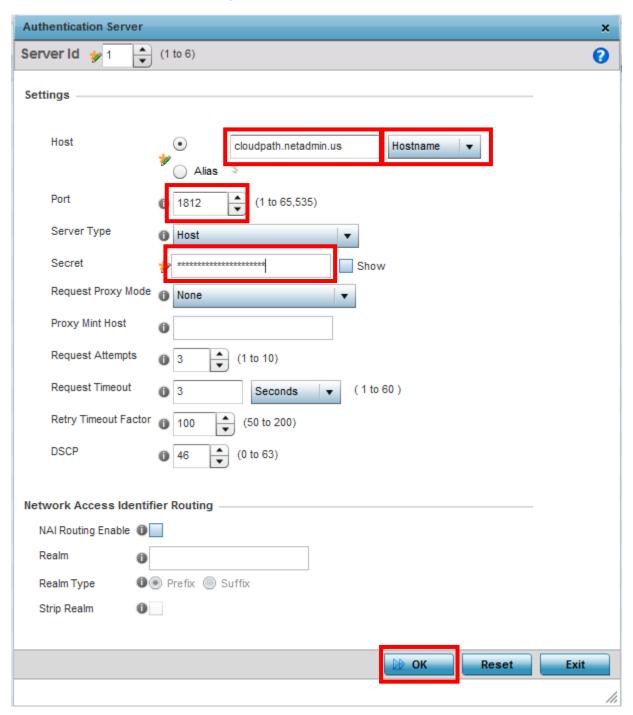
Authentication Port: 1812

Accounting Port: 1813

Shared Secret: ****** Q New Random Set

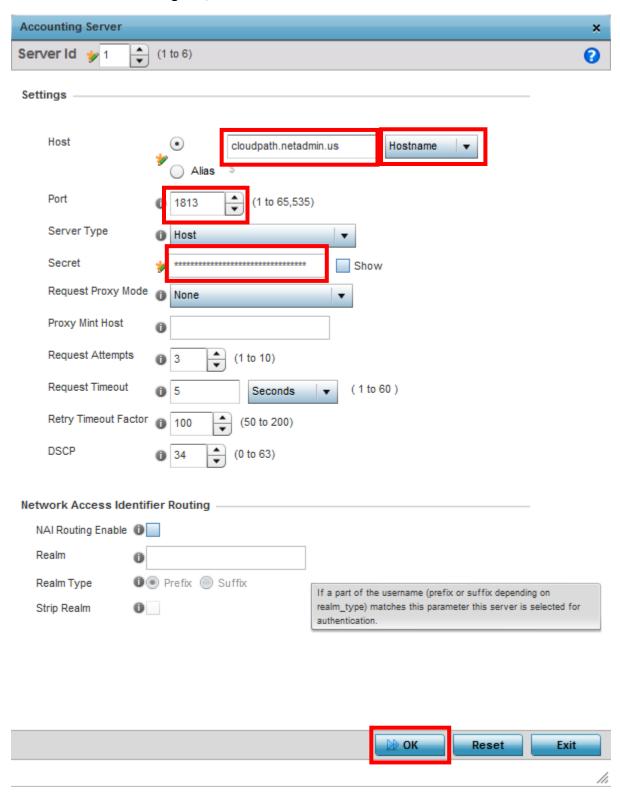
IP Address in Cloudpath is the hostname in Controller, Authentication Port, and Shared Secret. Click the spy glass to see and copy the key.

On the Radius Authentication Tab, click Add.



Click OK to Save and the Exit.

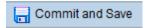
On the Radius Accounting Tab, Click Add.



Click OK to Save and then Exit.

Click Exit to complete the AAA Policy.

Click Commit and Save to implement and save the changes.

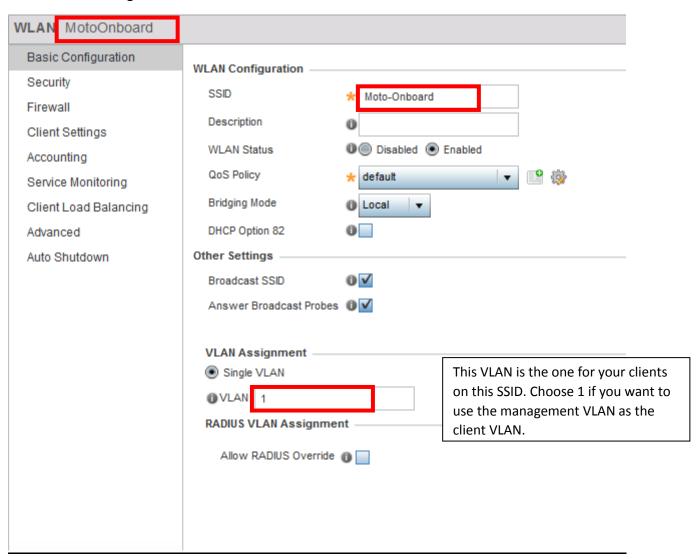


Next we will create an SSID to connect to and configure the settings for Cloudpath.

Note: If you have an existing SSID you want to use, just modify it for use with Cloudpath.

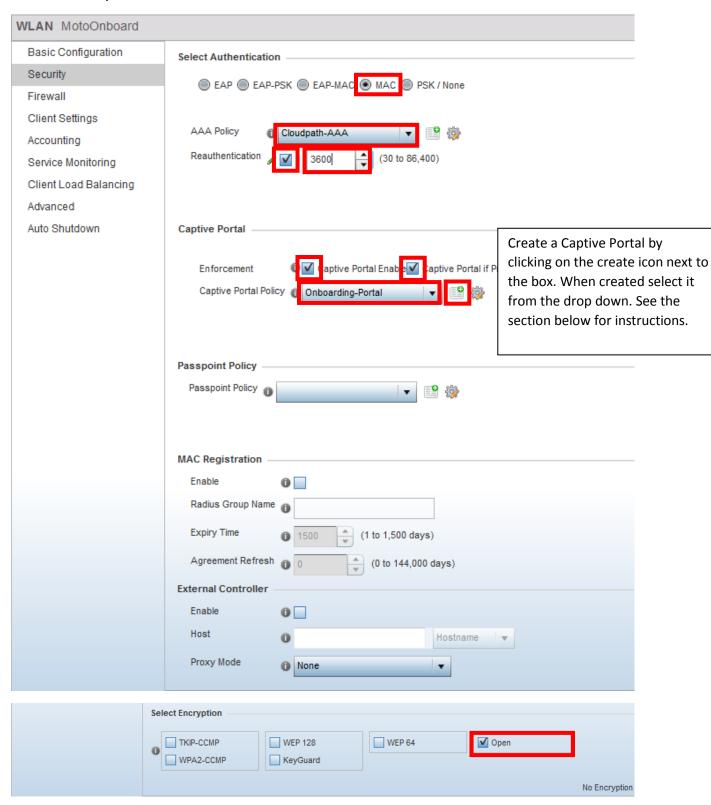
Create an Onboarding SSID:

On the Basic Configuration Tab:



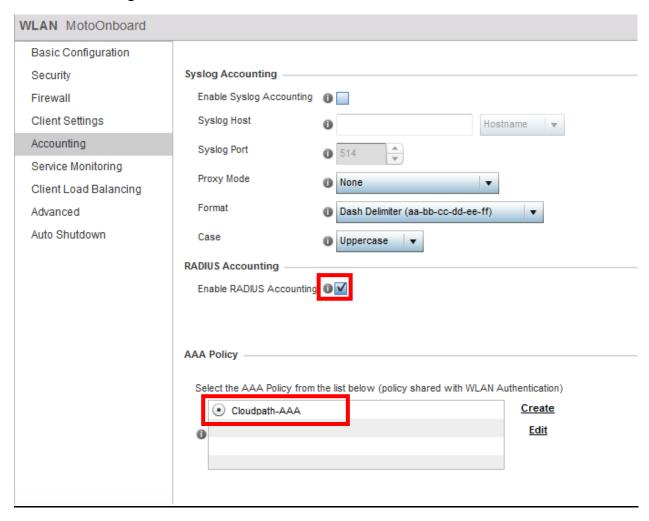
Click OK to Save

On the Security Tab



Click OK to Save

On the Accounting Tab

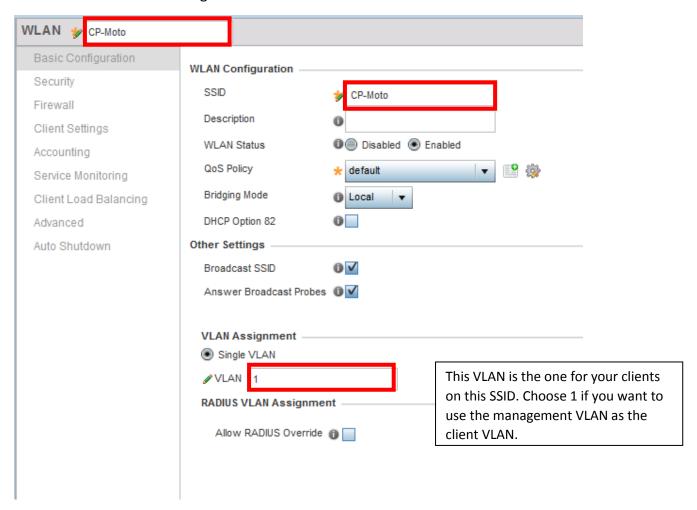


Click OK to Save and Exit

Create a Secure SSID:

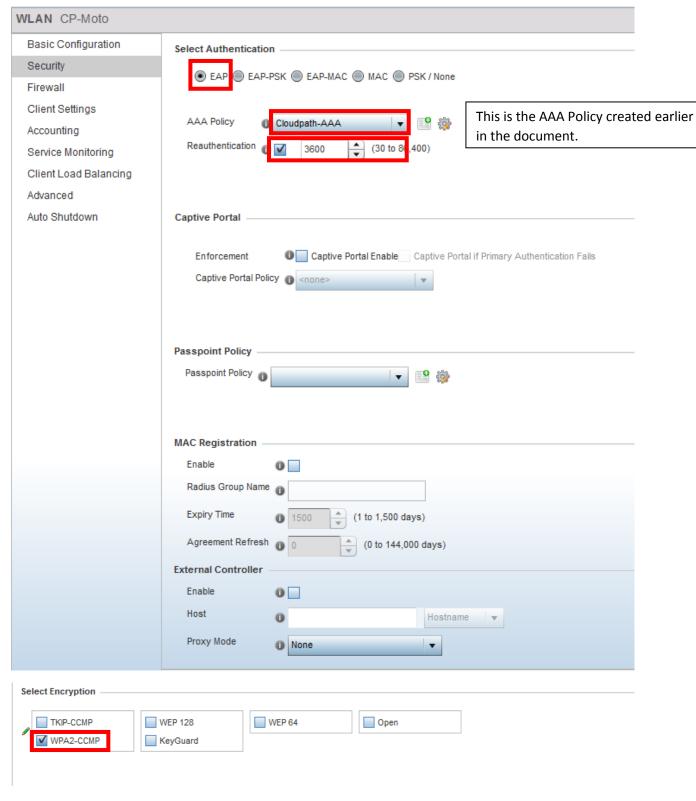
Go to Configuration -> Wireless -> Wireless LANs

Click Add. On the Basic Configuration Tab:



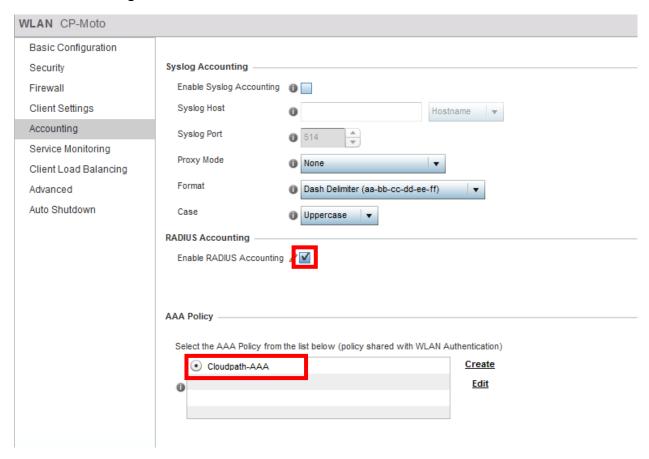
Click OK to Save.

On the Security Tab:



Click OK to Save.

On the Accounting Tab:

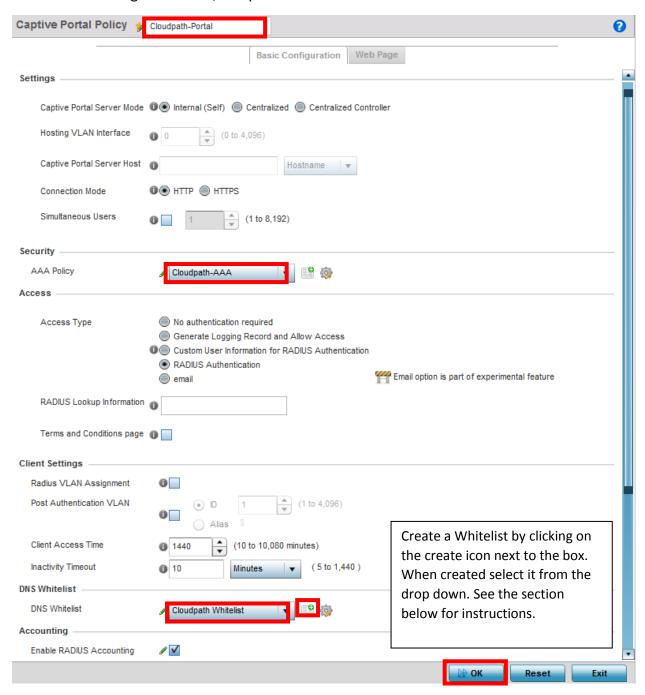


Click OK to Save and Exit

Create a Captive Portal:

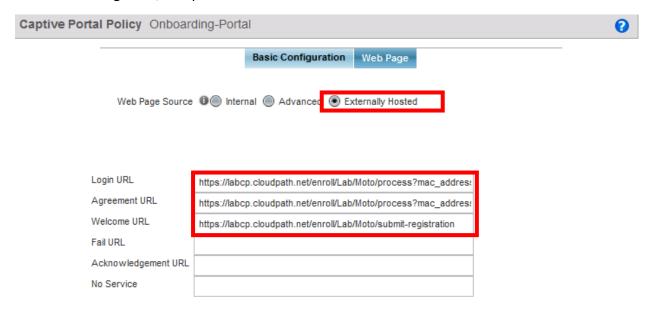
This can also be doe from Configuration -> Services -> Captive Portals

On the Basic Configuration Tab, complete the marked fields.



Click OK to Save

On the Web Page Tab, complete the marked fields.



A set of pre-existing web pages outside of the Controller are specified by the provided URLs. Four separate URLs point to external web pages for: Logging the user in, Welcoming the user after logging in successfully and Informing the user of a failed login attempt.

Login URL:

https://labcp.cloudpath.net/enroll/Lab/Moto/process?mac_address=WING_TAG_CLIENT_MAC

Agreement URL:

https://labcp.cloudpath.net/enroll/Lab/Moto/process?mac_address=WING_TAG_CLIENT_MAC

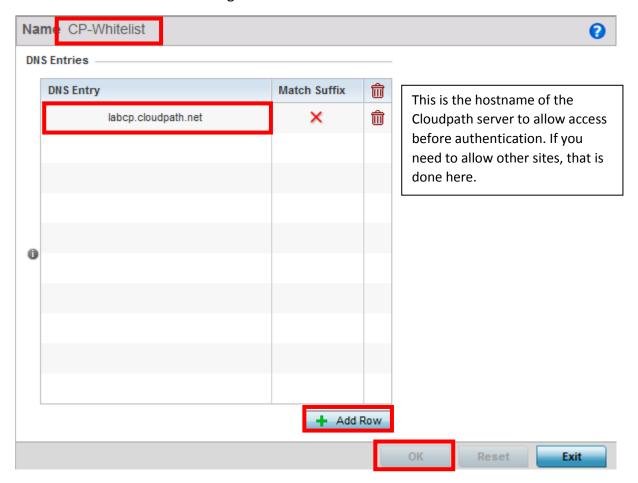
Welcome URL

https://labcp.cloudpath.net/enroll/Lab/Moto/submit-registration

Note: The yellow highlighted part is the Cloudpath Enrollment Portal URL. (Configuration -> Workflows)

Create a Whitelist:

This can also be done from Configuration -> Services -> DNS Whitelist

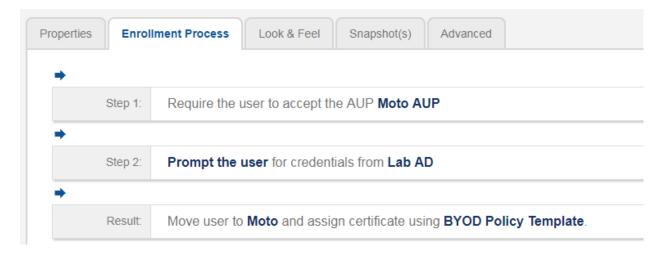


Click OK to Save and Exit.

Cloudpath Configuration

Below is the Workflow configuration used in Cloudpath for this setup:

Enrollment Process



Device Configuration Summary

Summary Information

