



INTEGRATION GUIDE

# How to Configure Aruba Controller to Secure your Guest Wireless Network with Portnox CLEAR

## Introduction

This document guides you step by step how to configure your Aruba wireless environment using Portnox CLEAR to control guest user access.

## Enabling CLEAR RADIUS Service

The first step is to enable the CLEAR RADIUS service:

- 1) Verify your organization is registered on Portnox CLEAR Cloud Services:  
<https://clear.portnox.com/>.
- 2) In the CLEAR portal, go to **Settings > Services** and expand **CLEAR RADIUS Service**. Then:
  - a. If the **Enable Cloud RADIUS** checkbox is not checked, click **Edit** and check the **Enable Cloud RADIUS** checkbox.
  - b. Note the RADIUS server details which you will need when configuring the Aruba Controller:
    - **Cloud RADIUS IP** - this is the IP address of the CLEAR RADIUS server
    - **Authentication port**
    - **Accounting port** - needed for the RADIUS accounting server
    - **Shared Secret** - this is the RADIUS client shared secret

## Enabling CLEAR Captive Portal Service

The second step is to enable the CLEAR Captive Portal (=Guest portal).

- 1) In the CLEAR portal, go to **Settings > Services** and expand **CLEAR Captive Portal Service**. Then:
  - a. If the **Enable CLEAR Captive Portal** checkbox is not checked, click **Edit** and check the **Enable CLEAR Captive Portal** checkbox.
  - b. Note the **URL** and the **IP (for walled garden)** which you will need when configuring the Aruba controller.

# Configuring the Aruba Wi-Fi SSID

In the final step, we configure the Aruba guest wireless SSID to control guest user access.

- 1) In the Aruba controller interface, navigate to **Configuration > Authentication > Auth Servers**, and add a new server. Enter the following CLEAR RADIUS server details, which you noted in

[Enabling CLEAR RADIUS Service](#), step (2)b:

- In **IP address / hostname**, enter the Cloud RADIUS IP.
- In **Auth port**, enter the Authentication port number.
- In **Acct port**, enter the Accounting port number.
- In **Shared key**, enter the Shared Secret.

The screenshot displays the Aruba Mobility Controller interface for ArubaQA. The left sidebar shows the navigation menu with 'Authentication' highlighted. The main content area is titled 'Auth Servers' and contains the following sections:

- Server Groups 4:** A table with columns: NAME, SERVERS, FAIL THROUGH, LOAD BALANCE, SERVER RULES. Rows include 'default', 'internal', 'Aruba-CLEAR-Guest\_dot1\_sng', and 'Aruba-CLEAR\_dot1\_sng'.
- All Servers 2:** A table with columns: NAME, TYPE, IP ADDRESS / HOSTNAME, SERVER GROUP. Rows include 'CLEAR' (RADIUS) and 'internal'.
- Server Options:** A form for configuring the 'CLEAR' server. Fields include: Name (CLEAR), IP address / hostname (redacted), Auth port (redacted), Acct port (redacted), Shared key (masked with dots), Retype key (masked with dots), Timeout (5), Retransmits (3), and NAS ID.

Buttons for 'Cancel' and 'Submit' are visible at the bottom right of the form.

- 2) Navigate to **Configuration > WLAN** and add a new SSID.
  - a. In the general tab, select **Guest** as the **Primary usage**.

The screenshot displays the Aruba Mobility Controller configuration interface for 'ArubaQA'. The left sidebar shows the navigation menu with 'Configuration' and 'WLANs' highlighted. The main content area shows a table of WLANs and a configuration form for the selected 'Aruba-CLEAR-Guest' WLAN.

**WLANs 3**

NAME (SSID)	AP GROUP	KEY MANAGEMENT
Aruba-CLEAR	default, test	WPA-Enterprise
Aruba-CLEAR-Guest	default, test	Open
test	Aruba-CLEAR-Guest	default, test

**Aruba-CLEAR-Guest** **General** VLANs Security Access

Name (ssid): Aruba-CLEAR-Guest

Primary usage:  Employee  Guest

Broadcast on: All APs

Forwarding mode: Tunnel

b. In the **Security** tab, select external captive portal with the following Captive Portal Options:

- Add the Radius server which was created on step #1 as **Auth servers**.
- In the **Host**, enter: <https://guests.portnox.com>.
- In the **Page**, enter the rest of the URL which you noted in Enable CLEAR Captive Portal service.

For example, in case the full URL is:

<https://guests.portnox.com/12345-12345-12345>

List “/12345-12345-12345” as the **Page**.

The screenshot displays the configuration interface for the 'Aruba-CLEAR-Guest' WLAN. The 'Security' tab is selected, showing a list of captive portal options on the left and configuration fields on the right. The 'Auth servers' field is highlighted with a blue box, and the 'Host' field is also highlighted. The 'Host' field contains the value 'guests.portnox.com'. The 'Page' field contains a redacted value. The 'Redirect URL' field contains the value 'http://' followed by a redacted value. The 'Use purple wi-fi' checkbox is unchecked.

NAME (SSID)	AP GROUP	KEY MANAGEMENT
Aruba-CLEAR	default, test	WPA-Enterprise
Aruba-CLEAR-Guest	default, test	Open
test	default, test	Open

**Aruba-CLEAR-Guest**    General    VLANs    **Security**    Access

**Captive Portal Options:**

- ClearPass or other external Captive Portal
- Internal Captive Portal with authentication
- Internal Captive Portal with email registration
- Internal Captive Portal, no auth or registration
- No Captive Portal

**Auth servers:** [ + ]

Host addressing:  IPv4     IPv6

Host: [ guests.portnox.com ]

Page: [ [REDACTED] ]

Redirect URL: [ http:// [REDACTED] ]

Use purple wi-fi:  [ ]