



INTEGRATION GUIDE

# How to Configure Mist to Secure your Wireless Network with Portnox CLEAR

## Introduction

This document guides you step by step how to configure your Mist wireless environment using Portnox CLEAR to ensure secure and trusted 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 Mist SSID:
    - **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

## Registering the SSID in CLEAR

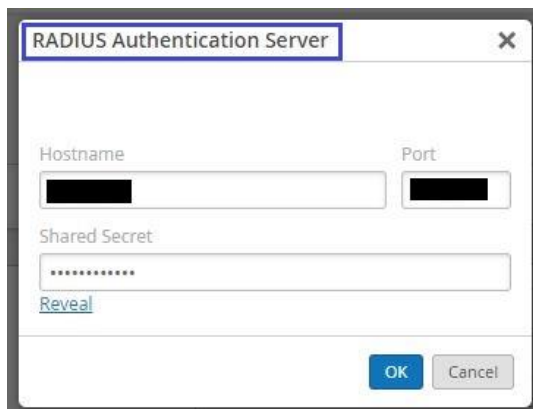
The second step is to register, in the CLEAR portal, the SSID of the wireless network you will be securing.

- 1) Navigate in the portal to **Groups**.
- 2) Edit the default “Unassigned” group or create a new security group.
- 3) Whether you are creating or editing a group, in **Group Settings** click **Add Wi-Fi network** and specify the **SSID** of the network you will be securing.

## Configuring the Mist Wireless SSID

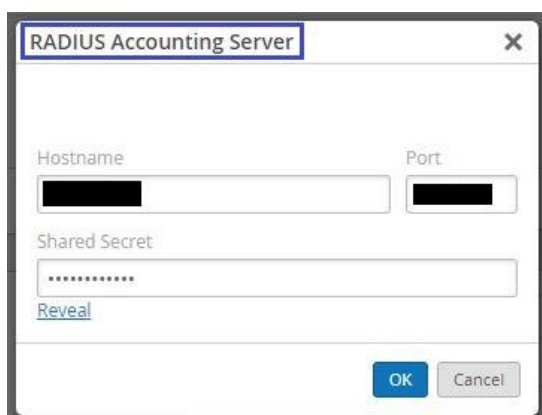
In the final step, we configure the Mist wireless SSID to be secured and protected based on CLEAR RADIUS authentication.

- 1) In the Mist portal, navigate to **Network > WLANs**, and add a new WLAN or edit an existing one.
- 2) In the SSID's **Security** section, Select **WPA-2/EAP (802.1X)**.
- 3) In the Radius section, do the following:
  - a. Add Radius authentication server. Enter the following CLEAR RADIUS server details, which you noted in [Enabling CLEAR RADIUS Service](#), step (2)b:
    - In **RADIUS Server**, enter the Cloud RADIUS IP.
    - In **RADIUS Port**, enter the Authentication port number.
    - In **RADIUS Secret**, enter the Shared Secret.



The screenshot shows a dialog box titled "RADIUS Authentication Server" with a close button (X) in the top right corner. It contains three input fields: "Hostname" and "Port" are side-by-side, and "Shared Secret" is below them. The "Shared Secret" field is masked with asterisks and has a "Reveal" link below it. At the bottom, there are "OK" and "Cancel" buttons.

- b. Add radius accounting server. Enter the following CLEAR RADIUS Accounting server details, which you noted in [Enabling CLEAR RADIUS Service](#), step (2)b:
      - In **RADIUS Accounting Server**, enter the Cloud RADIUS IP.
      - In **RADIUS Accounting Port**, enter the Accounting port number.
      - In **RADIUS Accounting Secret**, enter the Shared Secret.



The screenshot shows a dialog box titled "RADIUS Accounting Server" with a close button (X) in the top right corner. It contains three input fields: "Hostname" and "Port" are side-by-side, and "Shared Secret" is below them. The "Shared Secret" field is masked with asterisks and has a "Reveal" link below it. At the bottom, there are "OK" and "Cancel" buttons.

**Mist** PORTNOX

< WLANs: CLEAR-Corp

**SSID**  
CLEAR-Corp

**Labels**  
+

**WLAN Status**  
 Enabled  Disabled  
 Hide SSID  
 No Static IP Devices

**Radio Band**  
 2.4G and 5G  2.4G  5G

**Band Steering**  
 Enable

**Client Inactivity**  
Drop inactive clients after  seconds

**Data Rates**  
 Compatible (allow all connections)  
 No Legacy (2.4G, no 11b)  
 High Density (disable all lower rates)  
 Custom Rates

**Security**  
 WPA-2/PSK with passphrase [Reveal](#)  
 WPA-2/EAP (802.1X)  
 Open Access  
[More Options](#)

**Fast Roaming**  
 Default  
 Opportunistic Key Caching (OKC)  
 .11r

**RadSec**  
 Enabled  Disabled

**RADIUS Authentication Servers**  
[Redacted] : [Redacted] primary  
[Add a Server](#)

**RADIUS Accounting Servers**  
[Redacted] : [Redacted] primary  
[Add a Server](#)