

INTEGRATION GUIDE

# How to Configure Sophos Central to Secure your Wireless Network with Portnox CLEAR

## Introduction

This document guides you step by step how to configure your Sophos Central wireless cloud 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 Sophos switch:
    - **Cloud RADIUS IP** - this is the IP address of the CLEAR RADIUS server
    - **Authentication port** - needed for the RADIUS authentication server
    - **Shared Secret** - this is the RADIUS client shared secret

## Registering the SSID in CLEAR

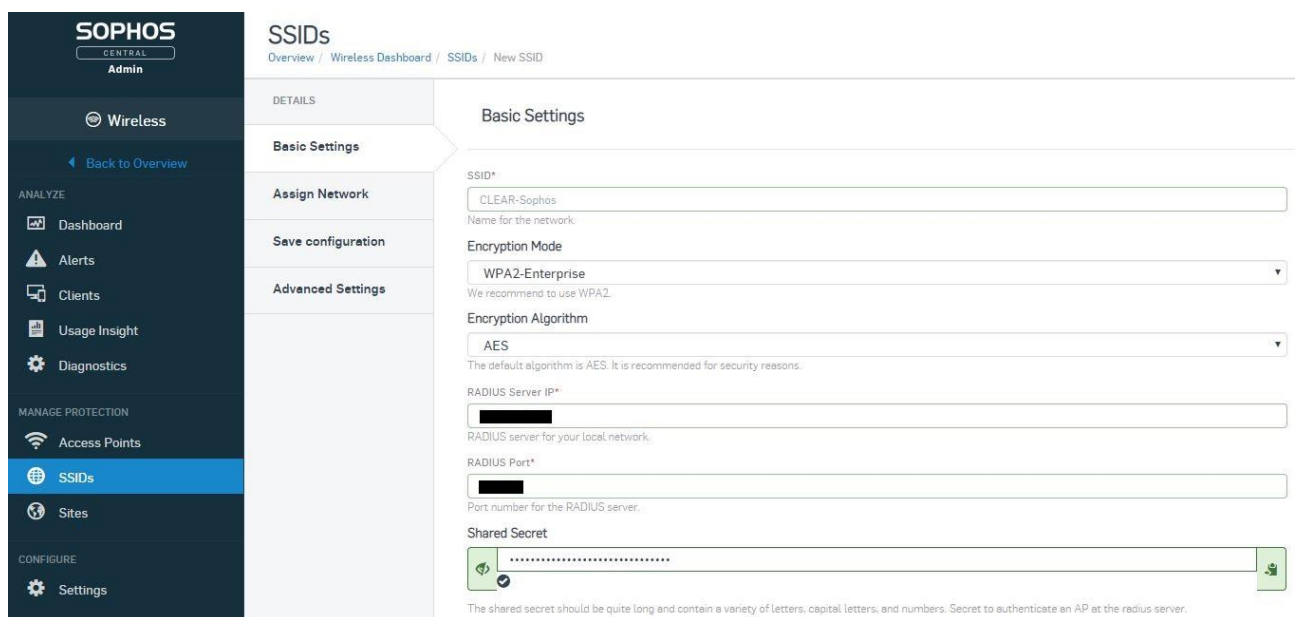
The second step is to register, in the CLEAR portal, the SSID of the wireless network you will be securing.

- 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 Sophos Wi-Fi SSID

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

- 1) In the Sophos portal, navigate to **My Products > Wireless > SSIDs**, and add a new SSID or edit an existing one.
- 2) In the SSID's **Basic Settings** tab, do the following:
  - a. Specify a **Name** for the SSID.
  - b. Select **WPA2-Enterprise** as the **Encryption Mode**.
  - c. Enter the following CLEAR RADIUS server details, which you noted in [Enabling CLEAR RADIUS Service](#), step (2)b:
    - In **Radius Server IP**, enter the Cloud RADIUS IP.
    - In **Radius Port**, enter the Authentication port number.
    - In **Shared Secret**, enter the Shared Secret.



The screenshot displays the Sophos Central Admin interface for configuring a new SSID. The left sidebar shows the navigation menu with 'Wireless' selected and 'SSIDs' highlighted. The main content area shows the 'SSIDs' configuration page with the 'Basic Settings' tab active. The configuration fields are as follows:

- SSID\***: CLEAR-Sophos
- Encryption Mode**: WPA2-Enterprise
- Encryption Algorithm**: AES
- RADIUS Server IP\***: [Redacted]
- RADIUS Port\***: [Redacted]
- Shared Secret**: [Masked with dots]

A note at the bottom of the form states: "The shared secret should be quite long and contain a variety of letters, capital letters, and numbers. Secret to authenticate an AP at the radius server."

- d. Click **Next**.

3) In the SSID's Assign Network tab, do the following:

- a. Select **Multiple Access Points** and assign the relevant available access points to the SSID.

The screenshot displays the Sophos Central Admin interface for configuring an SSID. The left sidebar shows the navigation menu with 'SSIDs' selected. The main content area is titled 'SSIDs' and 'Assign Network'. The 'Assign Network' section is active, showing the 'Assign Network' tab. The interface prompts the user to 'Please choose the devices to assign this SSID.' and offers the option to select 'Multiple Access Points'. Below this, there are two panels: 'Available Access Points' and 'Assigned Access Points'. The 'Available Access Points' panel contains a search bar and a list of available access points, with one entry 'AP15 [A4004F59C48BF34]' selected. The 'Assigned Access Points' panel is currently empty, showing a table header with columns for 'ACCESS POINT', '2.4 GHZ', and '5 GHZ'. Navigation arrows are visible between the two panels.

4) Click **Next** and **Save**.