

INTEGRATION GUIDE

How to Configure Extreme Wireless Controller to Secure your Wireless Network with Portnox CLEAR

Introduction

This document guides you step by step how to configure your Extreme 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 Extreme WLC:
 - **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

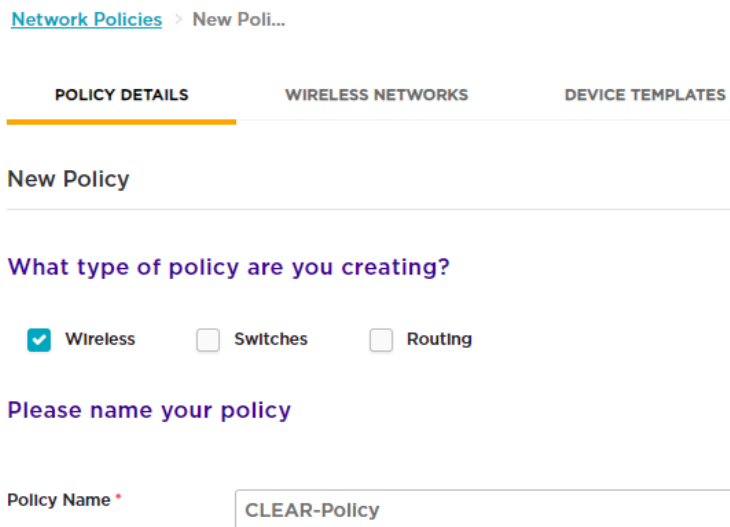
The second step is to register, in the CLEAR portal, the SSID of the wireless network you will be securing.

- 1) Navigate in the portal to **Settings > Groups**.
- 2) Edit the default 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.

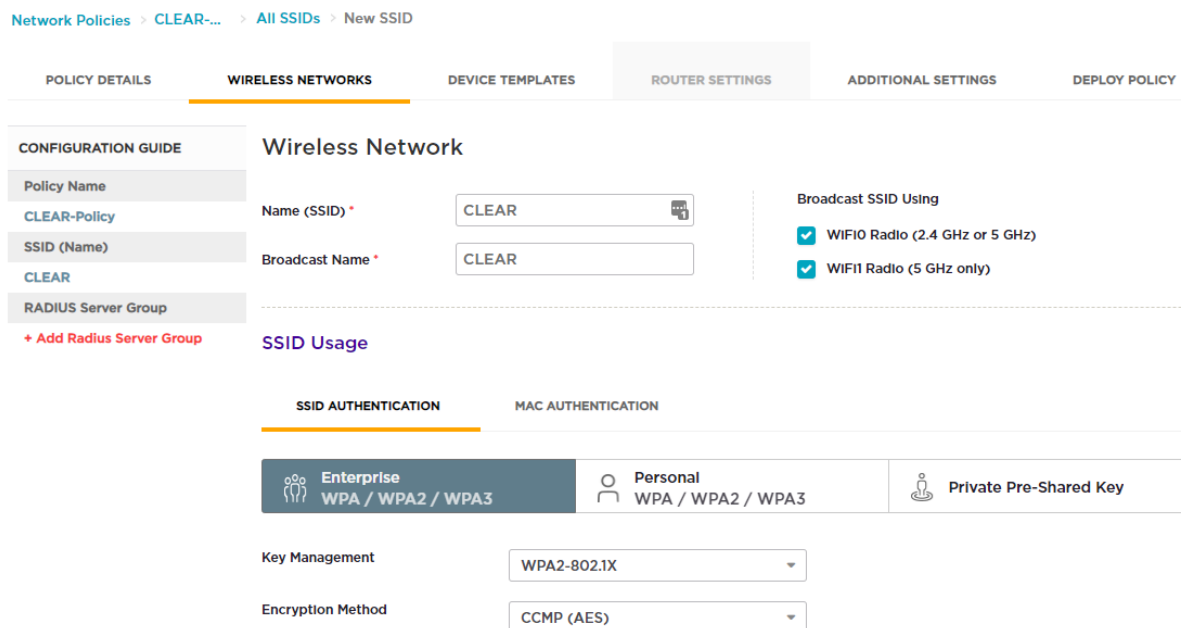
Configuring the Extreme Wireless SSID

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

- 1) In the Extreme web interface, navigate to **Configure > Network Policies** and **Add New Policy**:
Select **Wireless**, enter a **Policy Name** and click **save**:



- 2) On **Wireless Networks** click add and select **All Other Networks (standard)**.
 - a. Enter the SSID name and select **Enterprise** authentication:




- b. On authentication settings, click add and type **Radius server group name**.
- c. Add new external Radius server:
 - Enter a name for the **Radius server**.
 - On **IP/Host Name**, click add > IP Address and enter the CLEAR Radius IP address you noted in [Enabling CLEAR RADIUS Service](#), step (2)b:

New IP Address or Host Name

New IP Address or Host Name

Name *

+ 





	IP ADDRESS	TYPE
	<input type="text" value=""/>	Global

- In server type > **authentication port, accounting port and Shared Secret**, enter the following CLEAR RADIUS server details, which you noted in [Enabling CLEAR RADIUS Service](#), step (2)b.

Configure RADIUS Servers

EXTERNAL RADIUS SERVER (0) **EXTREME NETWORKS A3 (0)** **EXTREME NETWORKS**

New External RADIUS Server

Name *	<input type="text" value="CLEAR-Radius"/>
Description	<input type="text"/>
IP/Host Name *	<input type="text" value="CLEAR-Radius"/>   
Server Type *	<input checked="" type="checkbox"/> Authentication Port: * <input type="text" value=""/>
	<input checked="" type="checkbox"/> Accounting Port: * <input type="text" value=""/>
Shared Secret	<input type="text" value="....."/>  <input type="checkbox"/> Show Password