<u>Lab 8.6.7: Wireless Intrusion Protection Configuration on a Ruckus WLAN AP Controller</u>

From TestOut CompTIA Security+ Course

In this lab I will be configuring the Wireless Intrusion Protection System (WIPS) on a Ruckus WLAN AP Zone Controller.

The scenario for this lab is as follows:

"You are a network technician for a small corporate network. You would like to enable Wireless Intrusion Prevention on the wireless controller. You are already logged in as WxAdmin.

Access the Wireless Controller console through Chrome on http://192.168.0.6.

In this lab, your task is to:

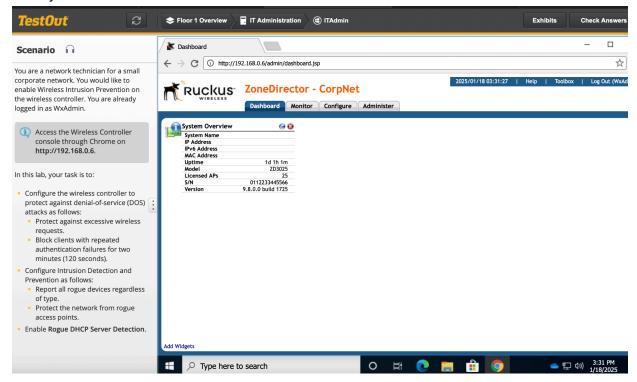
- Configure the wireless controller to protect against denial-of-service (DOS) attacks as follows:
 - Protect against excessive wireless requests.
 - Block clients with repeated authentication failures for two minutes (120 seconds).
- Configure Intrusion Detection and Prevention as follows:
 - Report all rogue devices regardless of type.
 - Protect the network from rogue access points.
- Enable Rogue DHCP Server Detection."

To start I will navigate to the Ruckus Web Portal @ **192.168.0.6**. The Lab states that we are pre-authenticated as the user **WxAdmin**.

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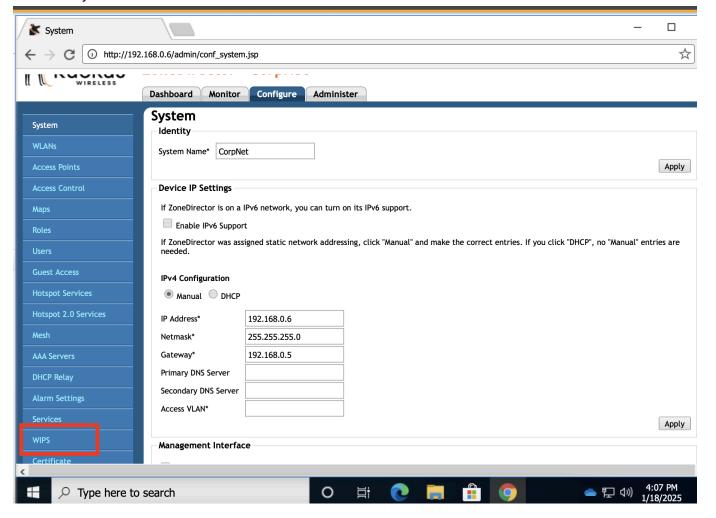
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To get to the **Wireless Intrusion Prevention System** configuration settings I'll navigate on the top menu bar to the **Configure** Master Menu. Once there I will head to the left menu panel and select **WIPS**:

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Once I'm on the menu for **WIPS**, my first task is to enable DOS Attacks Protection. This is when an attacker is able to send packets against a WiFi Network and De Authenticate all Users off it (provided their Wifi Adapter has a strong enough signal in the vicinity of the target SSID). The Lab states:

Configure the wireless controller to protect against denial-of-service (DOS) attacks as follows:

- Protect against excessive wireless requests.
- Block clients with repeated authentication failures for two minutes (120 seconds).

On the **WIPS** configuration page I can scroll down to enable these:

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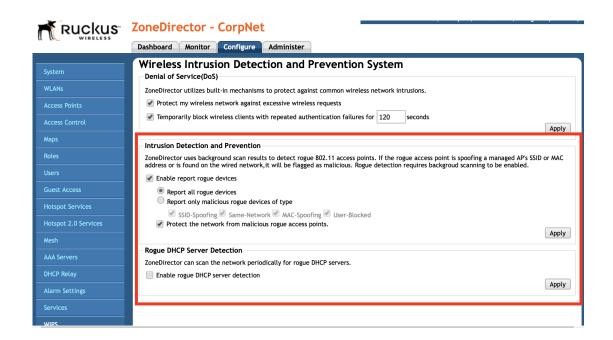


Once those are enabled I will hit the **Apply** button. After that applies, I'll move on to the next part of the lab which is:

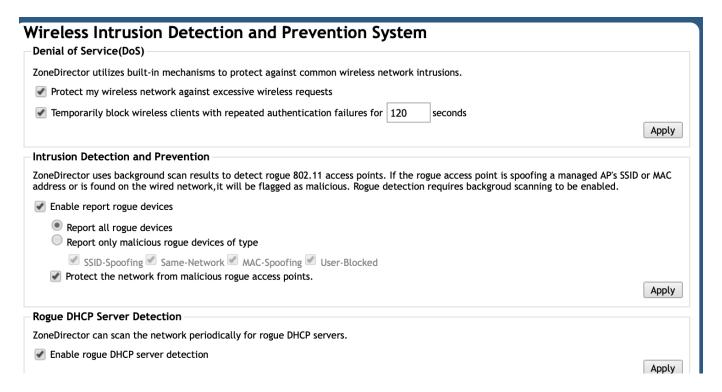
- Configure Intrusion Detection and Prevention as follows:
 - Report all rogue devices regardless of type.
 - Protect the network from rogue access points.
- Enable Rogue DHCP Server Detection.

Both tasks can be done from within the same place in the Ruckus Web Portal Configurator.

Within the same **WIPS** submenu where I completed the last task, I'll scroll down to the **Intrusion Detection and Prevention** subsection (highlighted below in Red).



Once all the settings have been configured it will look like this:



I will hit **Apply** on all 3 sections just to make sure everything is properly pushed out to our APs.

At this point I have completed all tasks for this lab, which again is:

- Configure the wireless controller to protect against denial-of-service (DOS) attacks as follows:
 - Protect against excessive wireless requests.
 - Block clients with repeated authentication failures for two minutes (120 seconds).
- Configure Intrusion Detection and Prevention as follows:
 - Report all rogue devices regardless of type.
 - Protect the network from rogue access points.
- Enable Rogue DHCP Server Detection

This now concludes this lab!

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