Collect diagnostics on Industrial Wireless (IW) 9167 in CURWB mode

Contents

Introduction

This document describes the steps need to collect diagnostic files on the IW 9167. The Cisco[®] Catalyst[®] IW9167 Series provides reliable wireless connectivity for mission-critical applications in a state-of-the-art platform. It can operate in Wi-Fi 6, Workgroup Bridge (WGB), or Cisco Ultra-Reliable Wireless Backhaul (Cisco URWB) mode.

Collecting log files

Login to the web UI of the FM device by accessing https://<IP-address>

Fixed Infrastructure:

1. Diagnostics files for all radios

Login to the web UI of the FM device, click the **status** link under MANAGEMENTSETTINGS in the lefthand settings menu, and then click download diagnostics



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2. Traffic Capture on the connected port on each radio (using Wireshark/tcpdump) (not mandatory, needed depending on the issue)

Fluidity:

1. Diagnostics files for all radios (mandatory)

Login to the web UI of the FM device, click the **status** link under MANAGEMENTSETTINGS in the lefthand settings menu and then click download diagnostics as

2. Fluidstats captures when the problem is occurring (if needed)

- a. Open the Fluidstats app
- b. SSH to the mobile radio in question and issue the command below:

fluidity monitor <destination IP address> <destination UDP port>

c. Click †start capture', stop when it finishes, and click to save the pcap file

3. Download the analytical graph

Navigate to data analysis, specify the timeframe, put the mesh ID/IP of the radio in question, and click confirm. Export all the data.

4. Traffic Capture on the connected port on each radio (using Wireshark/tcpdump) (not mandatory, needed in very special cases)

LED Pattern definition for CURWB mode

AP State	LED State
General warning; insufficient inline power	Cycling through Red, Green, Amber
Limbo (Provisioning) mode: Fallback	Chirping Amber
Limbo (Provisioning) mode: DHCP	Amber
SNR Excellent (>=25)	Blinking Green
SNR Good (15<=x<25)	Fade-in Green
SNR BAD (10<=x<15)	Fade-in Amber
SNR Unbearable (<10)	Fade-in Red

Including the LED state information as relevant to the problem at hand would be beneficial.

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