Release Notes for Cisco Aironet 1800s Active Sensor, Cisco Wireless Release 1.3.1.2

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Introduction

This release notes document describes features, enhancements, and caveats for the Cisco Aironet 1800s Active Sensor using the Cisco Wireless Release 1.3.1.2. These release notes are updated as needed to provide information about new features, caveats, potential software deferrals, and related documents.

Note

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Overview of Cisco Aironet 1800s Active Sensor

The Cisco Aironet 1800s Active Sensor is a part of Cisco's Wireless Service Assurance solution. The Wireless Service Assurance platform has three components, namely, Wireless Performance Analytics, Real-time Client Troubleshooting, and Proactive Health Assessment.

The Cisco Aironet 1800s Active Sensor is referred to as the Network Sensor, or sensor in this document.

The Cisco Aironet 1800s Active Sensor is an 802.11 a/b/g/n/ac (Wave 2) sensor, with internal antennas. The sensor can be mounted, in a vertical orientation, on a wall or a desk and supports 2x2:2 SS MU-MIMO applications. The sensor is capable of joining an infrastructure access point as a client. The sensor can be used to monitor, measure, and troubleshoot overall wireless network performance.

For more information about the sensor, including mounting instructions and limited troubleshooting procedures. setup and configuration, see the Cisco Aironet 1800s Active Sensor Getting Started Guide.

What's New in Cisco Wireless Release 1.3.1.2

The following section provides a brief introduction to the new features and enhancements that are introduced in this release:

Support to Change SSH Status, Sensor Hostname, and LED from the Cisco DNA Center GUI

Hidden SSID is supported on both kinds of SSID configuration, backhaul SSID and test SSID. The Cisco DNA Center will send the backhaul SSID to connect as part of provisioning. The test SSID is configured once the Cisco Aironet 1800s Active Sensor is onboarded to the Cisco DNA Center through the enrollment process.

The hostname of the sensor can be changed using Cisco DNA Center. Also, the LED can be turned OFF or ON from the Cisco DNA Center GUI.

Configuring CiscoSensorProvisioning as Backhaul SSID

Beginning with Cisco Wireless Release 1.3.1.2, the default SSID, `CiscoSensorProvisioning`, can be used for both provisioning and backhaul.

Cisco DNA Center will create a default profile named `CiscoSensorProvisionBackhaul` in advance, with EAP-TLS as the authentication method. This profile can be selected while onboarding the sensor after the automation service comes up. An additional backhaul need not to be explicitly created.

When the device connects to the `CiscoSensorProvisioning` SSID, it will use it for data reporting to Cisco DNA Center.

Support for EAP-TLS on Backhaul SSID

An additional EAP method of EAP-TLS is now available in the Cisco DNA Center GUI to upload the global certificate for the backhaul SSID.

Target AP Selection for Test Suite

This enhancement provides the ability to select a target AP in the existing test creation workflow. The target AP can be selected during the last stage of the sensor selection process. This is possible for both hidden and non-hidden SSIDs.

Sensor Provisioning Simplification

Beginning with Cisco Wireless Release 1.3.1.2, improvements have been made to the onboarding and Day 0 provisioning processes for the sensor.

The sensor completes the provisioning flow using `CiscoSensorProvisioning` SSID. During provisioning, the sensor obtains the backhaul SSID configuration which could either be the `CiscoSensorProvisioning` SSID or a different corporate SSID. In either case, the sensor completes registration with Cisco DNA Center and is added to the Cisco DNA Center **Inventory** on the same SSID.

The sensor validates the backhaul SSID once it is moved to the **Inventory**. If the backhaul SSID does not work, the sensor will fallback to the `CiscoSensorProvisioning` SSID and continue communication with Cisco DNA Center.

Caveats

Caveats describe unexpected behavior in the Cisco Wireless Network Sensor software. Severity 1 caveats are the most serious while Severity 2 caveats are less serious.

The Resolved Caveats, on page 3 and Open Caveats, on page 3 sections list the caveats in the Cisco Wireless Release 1.3.1.2. The following information is provided for each caveat:

- Identifier—Each caveat is assigned a unique identifier (ID) with a pattern of CSCxxNNNNN, where x is any letter (a-z) and N is any number (0-9). These IDs are frequently referenced in Cisco documentation, such as Security Advisories, Field Notices and other Cisco support documents. Technical Assistance Center (TAC) engineers or other Cisco staff can also provide you with the ID for a specific caveat.

- Description—A description of what is observed when the caveat occurs.

Cisco Bug Search Tool

The Cisco Bug Search Tool (BST), which is the online successor to the Bug Toolkit, is designed to improve the effectiveness in network risk management and device troubleshooting. The BST allows partners and customers to search for software bugs based on product, release, and keyword, and aggregates key data, such as bug details, product, and version. The tool has a provision to filter bugs based on credentials to provide external and internal bug views for the search input.

For more information about how to use the Cisco Bug Search Tool effectively, including how to set email alerts for bugs, filter bugs, and save bugs and searches, see the Bug Search Tool Help & FAQ page.

You can access the listed bugs through the BST. This web-based tool provides you access to the Cisco bug tracking system, which maintains information about bugs and vulnerabilities in the Cisco Wireless Network Sensor software and other Cisco hardware and software products.

Click the Caveat Identifier number in the table. The corresponding BST page is displayed with details of the bug.

Note If you are not logged in, you will be redirected to a **Log In** page where you need to enter your registered Cisco.com username and password to log In. If you do not have a Cisco.com account, you can register for one.

If the defect that you have selected cannot be displayed, this may be due to one or more of the following reasons:

- The defect number does not exist

- The defect does not have a customer-visible description yet

- The defect has been marked Cisco Confidential

Open Caveats

There are no open caveats in this release.

Resolved Caveats

This section lists the caveats that have been resolved in Cisco Wireless Release 1.3.1.2.

Table 1: Cisco Aironet Network Sensor: Resolved Caveats in Cisco Wireless Release 1.3.1.2

Caveat Identifier	Caveat Description
CSCvo46077	Sensor: EAP-TLS cert works even when Microsoft Windows client does not work with sensor
CSCvo84012	Sensor: Image upgrade in bad RF condition causes PCF and intermittent red `X` outdate
CSCvp62339	Speed test fails with Cisco Aironet 1800s Active Sensor on 5GHZ in the same setup where the test passes on an AP acting as a sensor.
CSCvp83041	Sensor shows many instances of `Onboarding Incomplete` even with FastSSID switching enabled
CSCvp87858	Sensor: **show scan list** shows unexpected values.
CSCvp87879	Sensor: Targeted AP fails due to `Sensor fails to find any AP with SSID k50-ssid-open-hidden`.
CSCvq28757	Sensors go into `Error` state in PNP app 24 hours after upgrading the sensor image via SWIM.
CSCvq89726	Sensor running Cisco Wireless Release 8.8.500.18 shows work list with an extra test.

Service and Support

For all support-related information, see http://www.cisco.com/c/en/us/support/index.html.

Related Documentation

- Cisco Aironet 1800s Active Sensor Getting Started Guide

- Cisco Aironet Sensor Deployment Guide

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- To find warranty information for a specific product or product family, access Cisco Warranty Finder.

Cisco Bug Search Tool

Cisco Bug Search Tool (BST) is a web-based tool that acts as a gateway to the Cisco bug tracking system that maintains a comprehensive list of defects and vulnerabilities in Cisco products and software. BST provides you with detailed defect information about your products and software.