

Release Notes for Cisco Aironet 1800s Active Sensor, Cisco Wireless Release 8.8.261.0

First Published: 2019-03-21

Introduction

This release notes document describes features, enhancements, and caveats for the Cisco Aironet 1800s Active Sensor using the Cisco Wireless Release 8.8.261.0. These release notes are updated as needed to provide information about new features, caveats, potential software deferrals, and related documents.



Note Explore the [Content Hub](#), the all new portal that offers an enhanced product documentation experience.

- Use faceted search to locate content that is most relevant to you.
- Create customized PDFs for ready reference.
- Benefit from context-based recommendations.

Get started with the Content Hub at content.cisco.com to craft a personalized documentation experience.

Do provide feedback about your experience with the Content Hub.

We recommend that you view the field notices for this release to check whether your software or hardware platforms are affected. If you have an account on Cisco.com, you can find the field notices at: http://www.cisco.com/en/US/customer/support/tsd_products_field_notice_summary.html.

However, if you do not have a Cisco.com account, you can find the field notices at: http://www.cisco.com/en/US/support/tsd_products_field_notice_summary.html.

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 and an Ethernet backhaul. 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.

What's New in Cisco Wireless Release 8.8.261.0

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

Error Codes

Error codes are designed for onboarding and all Cisco Wireless Service Assurance application tests that can be configured using the Cisco DNA Center. When the test fails, the sensor will send the error code to Cisco DNA Center and this will be displayed along with the test results. The error code will be converted to a human readable string and displayed on the Cisco DNA Center.

There are four categories of error codes for the sensor onboarding process:

- Reason codes: Category of error codes resulting from disassociation and deauthentication message
- Status codes: Category of error codes resulting from authentication and association failure
- DHCP state: Category of error codes resulting from IP address failure
- Category of specific error codes resulting from individual authentication and EAP type. It has the following sub-categories:
 - PSK key mismatch
 - EAP MSCHAPv2 failure
 - EAP SSL/TLS failure
 - PEAP failure
 - EAP Events
 - EAP TLS

Hidden SSID

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.

Onboarding

Beginning with Cisco Wireless Release 8.8.261.0, onboarding will be run once for a given set of tests that share the following set of common criteria:

- SSID
- AP (BSSID)
- Radio (band)
- Test frequency rate

The above criteria define a unique onboarding event. Once onboarding is done for tests that share the same criteria, then all tests will be executed, and the results will be sent to the Cisco DNA Center.

This improves the efficiency compared to the previous onboarding scheme when multiple tests were run against the same SSID, BSSID, radio etc., where each test had an explicit onboarding event.

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 4](#) and [Open Caveats, on page 4](#) sections list the caveats in the Cisco Wireless Release 8.8.261.0. 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

This section lists the open caveats in Cisco Wireless Release 8.8.261.0. These caveats apply to the current release and may apply to previous releases. A caveat that is open for a prior release and is still unresolved applies to all future releases until it is resolved.

Table 1: Cisco Aironet Network Sensor: Open Caveats in Cisco Wireless Release 8.8.261.0

C a v e a t Identifier	Caveat Description
CSCvo46077	Sensor: EAP-TLS cert works even when Microsoft Windows client does not work with sensor
CSCvo57291	Sensor: IPSLA test failed due to no response from AP
CSCvo84012	Sensor: Image upgrade in bad RF condition causes PCF and intermittent red X outdate

Resolved Caveats

This section lists the caveats that have been resolved in Cisco Wireless Release 8.8.261.0.

Table 2: Cisco Aironet Network Sensor: Resolved Caveats in Cisco Wireless Release 8.8.261.0

C a v e a t Identifier	Caveat Description
CSCvm75439	AP1800S may reboot to OOM on running all tests
CSCvm79133	Sensor does not recover from HEARTBEAT FAILURE after Cisco DNA Center software upgrade from Release 1.2.4 to Release 1.2.5
CSCvn14831	Cisco DNA Center Release 1.2.6: Sensor EAP-FAST test reports slow-onboarding
CSCvn68270	Web-server test fails for web authentication enabled SSID
CSCvo17656	Cisco Aironet 1800s Active Sensor upgrade times out and software image check fails
CSCvo30510	DHCP option 60 does not work with Cisco Aironet 1800s Active Sensor
CSCvo34601	Cisco DNA Center Release 1.2.10 : Sensors fails to connect to SSID sometimes resulting in onboarding failure
CSCvo34892	Manual PNP server configuration fails on Cisco Aironet 1800s Active Sensor
CSCvo59519	Sensor: PCF and intermittent red X outdate block users from upgrading the software image
CSCvo65341	AP as a sensor is not working with unicode values

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](#)

Communications, Services, and Additional Information

- To receive timely, relevant information from Cisco, sign up at [Cisco Profile Manager](#).
- To get the business impact you're looking for with the technologies that matter, visit [Cisco Services](#).
- To submit a service request, visit [Cisco Support](#).
- To discover and browse secure, validated enterprise-class apps, products, solutions and services, visit [Cisco Marketplace](#).
- To obtain general networking, training, and certification titles, visit [Cisco Press](#).
- 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.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: [www.cisco.com go trademarks](http://www.cisco.com/go/trademarks). Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1721R)

© 2019 Cisco Systems, Inc. All rights reserved.