Air Defense 10.6.2-05a2 Release Notes

AirDefense 10.6.2-05a2 Release Notes

Note: This document is an addendum to the release notes for the main release 10.6.2-05.

1. New Features in AirDefense 10.6.2-05a2

The AirDefense 10.6.2-05a2 (patch) release is a maintenance release fixing customer-found issue AD-11447.

Version Compatibility

The 10.6.2-05a2 patch version is upgradable only from version 10.6.2-05.

For existing customers who would like to upgrade to 10.6.2-05a2, AirDefense is an entitled product and requires an active support contract.

Firmware Version Compatibility

AirDefense 10.6.2-05a2 has been tested for compatibility against

- WiNG 7.9.5.1
- XIQC 10.09.01
- XIQ 24r3 and higher

6 GHz validated Sensor Models and Interop Build version

Sensor Model	Campus/Identifi Interop build
AP 5010	10.9.1.0-038R
AP 3000	10.9.1.0-038R
AP 4000	10.9.1.0-038R

2.4 GHz/5 GHz Supported Sensor Model and Interop Build version validated

Sensor Model	WING Interop build
AP 5010, AP5010u	WING 7.9.4.0
AP 410C-1	WING 7.9.4.0
AP 302w	WING 7.9.4.0
AP 305C-1	WING 7.9.4.0
AP 505i	WING 7.9.4.0
AP 310i, AP410i, AP510i	WING 7.9.4.0

Sensor Model	Identifi Interop build
AP 5010, AP5010u	10.9.1.0
AP 410C-1	10.9.1.0
AP 302w	10.9.1.0
AP 305C-1	10.9.1.0
AP 505i	10.9.1.0
AP 460c	10.9.1.0
AP 310i, AP410i, AP510i	10.9.1.0
AP 5050D, AP5050U	10.9.1.0

Sensor Model	XIQ/HOS
AP410C, AP460C	10.6.7
AP4000	10.6.7
AP510CX	10.6.7
AP302w	10.6.7
AP305c-1	10.6.7
AP5010, AP5010U	10.6.7
AP3000, AP3000X	10.6.7
AP5050D, AP5050U	10.6.7

Please see the section titled "DFS Tables, Sensor and Radio Share" in the corresponding WiNG release notes for a detailed matrix of sensor features supported for each access point in that WiNG release.

ExtremeCloud IQ Controller Version Compatibility
AirDefense 10.6.2-05 has been tested for compatibility against
- ExtremeCloud IQ Controller for version 10.09.01

Hardware Appliances
- Model NX-9500
- Model NX-9600

Virtual Platforms
- VMWare EXSi Hypervisor 5.5, 6.0, 6.5,7.0

Supported WiNG Wireless Access Points
- AP 6522, AP 6562
- AP 7161
- AP 7522, AP 7532, AP 7562
- AP 8163
- AP 8533
- AP 8432
- AP 7602
- AP 7622

- AP 7612, AP 7632, AP 7662
- AP 505, AP 510, AP 560
- AP 410, AP 460
- AP 310, AP 360

For feature support by WiNG release, please refer to the section titled "DFS Tables, Sensor and Radio Share" in the WiNG release notes.

Supported Extreme Wireless Access Points
- AP 3915
- AP 3916
- AP 3917
- AP 3912
- AP 3935
- AP 3965

Extreme CloudIQ Version Compatibility
AirDefense 10.6.2-05 has been tested for compatibility against
- XIQ (24R3)

Supported Extreme Wireless Access Points
- AP 410C/460C (10.6R1)
- AP305C/305CX
- AP302W
- AP4000
- AP5010/5010U
- AP5050D/5050U
- AP3000X/3000W
- AP510C

Extreme Switch Compatibility
- X440 (31.2.1.1 patch2-1)
- X590 (Firmware 30.5.1.15)

Supported Browsers

Browser	HTML5
Chrome	Version 122.0.6261.128 (Official Build) (64-bit)
Firefox	112.0.6261.128 (Official Build) (64-bit)
IE Edge	Version 123.0.2420.65 (Official build) (64-bit)

Supported OS
- Windows 7 Enterprise
- Windows 10 Enterprise
- Linux
- Mac (Thin Client Applications Only)

2. Installation

Follow these steps to upgrade an AirDefense system that is currently running AirDefense 10.6.2-05 firmware.

Note: Direct upgrade from any other version is not supported.

1. Copy the file AD-upgrade-10.6.2-05a2.tar file to the /usr/local/tmp folder on the AirDefense server using the smxmgr account. You can use any tool such as scp, ssh secure file transfer client, putty, etc. to copy the file.
2. Login to AirDefense as smxmgr.
3. From the menu select Software ⎸ Servmod, then accept the default location of the patch file: /usr/local/tmp/ The menu shows available files.
4. Enter the number corresponding to AD-upgrade-10.6.2-05a2.tar and press Enter

   AirDefense installs the 10.6.2-05a2 patch.

   For base system new installations of AirDefense, see the full instructions on how to upload the AirDefense image onto an NX and install it successfully in the *Extreme AirDefense Users Guide*.

3. SPR/Issues Fixed

CFD # Fixed	Summary
AD-11447	Addressed an issue where the ExtremeCloud IQ Controller import was failing with a perpetual "In Progress" message.

Note: The following is the configuration used for validation:
1. Total number of Floor plans: 37
2. Total number of Access Points: 3106
3. Total number of BSS: 3125.

The above configuration consumes approximately 30 GB of ADSP server hard disk memory after successful import. You must ensure you have sufficient memory for this import.

4. Vulnerabilities Fixed

- None

5. Known Issues and Recommendations

- None

6. Feature Matrix Dedicated Sensing

ExtremeCloud IQ (XIQ) Managed

AP Model Dedicated Sensor	Earliest Supported Firmware Version	WIPS and Advanced Forensics	Spectrum Analysis	Advanced Spectrum Analysis	Live View	AP Test	Wireless Vulnerability Assessment (WVA)	BT/BLE Security
AP410C[2]/AP460C[2]	10.6r4	✓	✗	✓	✓	✗	✗	✗
AP410C-1[2]	10.4r6	✓	✗	✗	✓	✗	✗	✗
AP4000[5]	10.4r1	✓	✗	✓	✓	✗	✗	✗
AP4000-1[5]	10.5r1	✓	✗	✓	✓	✗	✗	✗
AP5010[6]	10.5r1	✓	✗	✓	✓	✗	✗	✗
AP5050U[2]/AP5050D[2]	10.5r3	✓	✗	✓	✓	✗	✗	✗

ExtremeCloud IQ Controller v10.x (XIQC) Managed

AP Model Dedicated Sensor	Earliest Supported Firmware Version	WIPS and Advanced Forensics	Spectrum Analysis	Advanced Spectrum Analysis	Live View	AP Test	Wireless Vulnerability Assessment (WVA)	BT/BLE Security
AP305C[1]/CX[1]	10.0.0.0	✓	✗	✓	✓	✓	✓	✗
AP305C-1[1]	10.1.0.0	✓	✗	✓	✓	✓	✓	✗
AP310ie[3,4]/360ie[3,4]	10.0.0.0	✓	✗	✓	✓	✓	✓	✓
AP410ie[2]/460ie[2]	10.0.0.0	✓	✗	✓	✓	✓	✓	✓
AP410C[2]/AP460C(S)[2]	10.0.0.0	✓	✗	✓	✓	✓	✓	✓
AP410C-1[2]	10.1.0.0	✓	✗	✓	✓	✓	✓	✗
AP505i[1]/510ie[4]/560ih[4]	10.0.0.0	✓	✗	✓	✓	✓	✓	✗
AP4000[5]	10.0.0.0	✓	✗	✓	✓	✗	✗	✗
AP4000-1[5]	10.1.0.0	✓	✗	✓	✓	✗	✗	✗
AP5010[6]/AP5010U	10.03.01	✓	✗	✓	✓	✓	✓	✓
AP5050U[2]/AP5050D[2]	10.6.0	✓	✗	✓	✓	✗	✗	✗
AP3000[1]/AP3000X[1]	10.6.0	✓	✗	✓	✓	✗	✗	✗

Extreme Campus Controller v5.x (XCC) Managed

AP Model Dedicated Sensor	Earliest Supported Firmware Version	WIPS and Advanced Forensics	Spectrum Analysis	Advanced Spectrum Analysis	Live View	AP Test	Wireless Vulnerability Assessment (WVA)	BT/BLE Security
AP305C/CX[1]	7.3.5.0	✓	✗	✓	✓	✓	✓	✗
AP310ie[4]/360ie[4]	7.8.5.0	✓	✗	✓	✓	✓	✓	✗
AP310ie-1[4]	7.8.5.0	✓	✗	✗	✓	✓	✓	✗
AP410ie[2]/460ie[2]	7.8.5.0	✓	✗	✓	✓	✓	✓	✗
AP410ie-1[2]	7.8.5.0	✓	✗	✗	✓	✓	✓	✗
AP410C[2]/AP460C[2]	7.8.5.0	✓	✗	✓	✓	✓	✓	✓
AP505i[1]/510ie[4]/560ih[4]	7.8.5.0	✓	✗	✗	✓	✓	✓	✗
AP510ie-1[4]	7.8.5.0	✓	✗	✗	✓	✓	✓	✗
AP4000[6]	7.8.5.0	✓	✗	✗	✓	✓	✗	✓

ExtremeCloud Appliance v4.76.08 (XCA) Managed								
AP Model Dedicated Sensor	Earliest Supported Firmware Version	WIPS and Advanced Forensics	Spectrum Analysis	Advanced Spectrum Analysis	Live View	AP Test	Wireless Vulnerability Assessment (WVA)	BT/BLE Security
AP310ie[4]/360ie[4]	WING 7.3.1.4	✓	✗	✓	✓	✓	✓	✗
AP410ie[2]/460ie[2]	WING 7.3.1.4	✓	✗	✓	✓	✓	✓	✗
AP505i[1]/510ie[4]/560ih[4]	WING 7.3.1.4	✓	✗	✗	✓	✓	✓	✗
AP7522[1]/7532[1]/7562[1]	WING 7.3.1.4	✓	✗	✗	✓	✓	✓	✗
AP8432[2]	WING 7.3.1.4	✓	✗	✓	✓	✓	✓	✗
AP8533[2]	WING 7.3.1.4	✓	✗	✗	✓	✓	✓	✗

WiNG Controller Managed								
AP Model Dedicated Sensor	Earliest Supported Firmware Version	WIPS and Advanced Forensics	Spectrum Analysis	Advanced Spectrum Analysis	Live View	AP Test	Wireless Vulnerability Assessment (WVA)	BT/BLE Security
AP7532[1]/7522[1]/7562[1]	WING 7.3.1.1	✓	✗	✓	✓	✓	✓	✗
AP8533[2]	WING 7.3.1.1	✓	✗	✓	✓	✓	✓	✓
AP8432[2]	WING 7.3.1.1	✓	✗	✓	✓	✓	✓	✓
AP310ie[4]/360ie[4]	WING 7.4.1.2	✓	✗	✓	✓	✓	✓	✓
AP410ie[2]/460ie[2]	WING 7.4.1.2	✓	✗	✓	✓	✓	✓	✓
AP410C[2]/AP460C[2]	WiNG 7.6.4.0	✓	✗	✓	✓	✓	✓	✓
AP505i[1]/510ie[4]/560[4]	WING 7.9.3	✓	✗	✓	✓	✓	✓	✓
AP310ie-1[4]	WING 7.9.3	✓	✗	✓	✓	✓	✓	✗
AP410C-1[2]	WING 7.9.3	✓	✗	✓	✓	✓	✓	✗
AP410i-1[2]	WING 7.9.3	✓	✗	✓	✓	✓	✓	✗
AP510i-1[5]	WING 7.9.3	✓	✗	✓	✓	✓	✓	✗
AP5010[6]/AP5010U[6]	WING 7.9.3	✓	✗	✓	✓	✗	✗	✗

Notes:
[1]Both radios must be configured as a sensor. No client service possible when operating as a sensor
[2]Third radio capable of only 2.4/5GHz sensor functionality. For AP 8432 – First radio can be used either as a dedicated 2.4/5GHz sensor and second radio for data, or both radios can operate as sensors (No client service).
[3]First radio can operate as 2.4/5GHz sensor. With first radio operating as sensor, only 5GHz client service on second radio
[4]First radio 2.4/5GHz dedicated sensor capable. Second radio also able to operate as dedicated 5GHz single band sensor
[5]Third radio can operate as 2.4/5/6GHz sensor. When enabled, no client service on 6GHz possible
[6]First radio can operate as 2.4/5/6GHz sensor. When enabled, second and third radio provide 5/6GHz client service

7. Feature Matrix Radio-Share Sensing

ExtremeCloud IQ (XIQ) Managed

AP Model Dedicated Sensor	Earliest Supported Firmware Version	WIPS and Advanced Forensics	Spectrum Analysis	Advanced Spectrum Analysis	Live View	AP Test	BT/BLE Security
AP302W	10.2r3	✓	✗	✗	✓	✗	✗
AP3000/AP3000X	10.6r1	✓	✗	✗	✓	✗	✗
AO650/510C	10.2r3	✓	✗	✗	✓	✗	✗

ExtremeCloud IQ Controller v.10.x (XIQC) Managed

AP Model Radio-Share Sensor	Earliest Supported Firmware Version	WIPS and Advanced Forensics	Spectrum Analysis	Advanced Spectrum Analysis	Live View	AP Test	BT/BLE Security
AP302w	10.0.0.0	✓	✗	✗	✓	✗	✗
AP305C/CX[3]	10.0.0.0	✓	✗	✗	✓	✗	✗
AP305C-1	10.1.0.0	✓	✗	✗	✓	✗	✗
AP310ie[3]/360ie[3]	10.0.0.0	✓	✗	✗	✓	✓	✓
AP505i[3]/510ie[3]/560ih[3]	10.0.0.0	✓	✗	✗	✓	✓	✗
AP4000[2]	10.0.0.0	✓	✗	✓	✓	✗	✗
AP4000-1[2]	10.1.0.0	✓	✗	✓	✓	✗	✗
AP3000/AP3000X	10..06.01	✓	✗	✗	✓	✗	✗

Extreme Campus Controller v5.x (XCC) Managed

AP Model Radio-Share Sensor	Earliest Supported Firmware Version	WIPS and Advanced Forensics	Spectrum Analysis	Advanced Spectrum Analysis	Live View	AP Test	BT/BLE Security
AP310ie[3]/360ie[3]	7.8.5.0	✓	✗	✓	✓	✓	✗
AP310ie-1[3]	7.8.5.0	✓	✗	✗	✓	✓	✗
AP505i[3]/510ie[3]/560[3]	7.8.5.0	✓	✗	✗	✓	✓	✗
AP510ie-1[3]	7.8.5.0	✓	✗	✗	✓	✓	✗

WiNG Controller Managed

AP Model Radio-Share Sensor	Earliest Supported Firmware Version	WIPS and Advanced Forensics	Spectrum Analysis	Advanced Spectrum Analysis	Live View	AP Test	BT/BLE Security
AP7532/7522/7562[1]	WING 7.3.1.1	✓	✗	✗	✓	✓	✗
AP8432[2]	WING 7.3.1.1	✓	✗	✗	✓	✗	✓
AP310ie[3]/360ie[3]	WiNG 7.6.1.0	✓	✗	✗	✓	✓	✓
AP505i[3]/510ie[3]/560[3]	WiNG 7.6.1.0	✓	✗	✗	✓	✓	✓
AP310ie-1	WiNG 7.7.1.0	✓	✗	✗	✓	✓	✗
AP510i-1	WiNG 7.7.1.0	✓	✗	✗	✓	✓	✗
AP3000/AP3000X	7.9.2	✓	✗	✗	✓	✗	✗

Notes:
[1]Both the first and second radio can operate with radio-share sensing together or independently.
[2]Spectrum Analysis is not supported with radio-share mode enabled.
[3]AP Testing in radio-share mode - only single-cell/internal BSS AP testing is supported. AP Testing on remote BSS is not supported.

8. AirDefense Extreme Wireless Feature Matrix

For the EW 39xx series access points operating as dedicated sensors, AirDefense supports the following features:
- WIPS
- Advanced Forensics
- Liveview

AirDefense also supports the following features for AP 39xx operating as radio-share sensors.
- WIPS
- Advanced Forensics
- Liveview

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