IQ Engine 10.3r4 Release Notes

Release date: August 13 2021

Hardware platforms supported: Atom AP30, AP122, AP122X, AP130, AP150W, AP230, AP245X, AP250, AP302W, AP305C, AP305CX, AP410C, AP460C, AP460S6C, AP460S12C, AP510C, AP510CX, AP550, AP630, AP650, AP650X, and AP1130

Management platforms supported: ExtremeCloud IQ 21.3.10.1 and later

New Features and Enhancements

This release introduces the following new features and enhancements:

AirDefense Support Enhancements: AP305C, AP305CX, AP510C, and AP510CX access points can now function as sensors in radio share mode. In Radio share mode, the radio functions as a sensor when it is not actively receiving and transmitting client WLAN traffic. When configured with an AirDefense server in an AirDefense on-premises environment, APs in radio share mode can use Air Termination to force clients to disconnect from the network.

DTLS 1.2 Support: Devices running IQ Engine 10.3r4 or later now support CAPWAP connections using DTLS 1.2. Using DTLS 1.2 to secure CAPWAP tunnels does not impact legacy Qualcomm devices.

Mesh Improvements: Meshed devices running IQ Engine 10.3r4 can now switch channels to clear the DFS channel more efficiently during a radar event.

DNS Server Management: When receiving a DNS request with an unresponsive primary DNS server, IQ Engine now chooses a secondary DNS server more quickly to prevent authentication timeouts. IQ Engines has also optimized how it handles changes in DNS ordering and configuration.

DNS Security Enhancements: IQ Engine DNS software has been hardened against recently revealed vulnerabilities, CVE-2020-25686, CVE-2020-25684, and CVE-2020-25685.

AVC Signature Updates: The Application Visibility and Control (AVC) signatures have been updated to include the latest Zoom application traffic.

Known and Addressed Issues

The following tables list known and addressed issues in IQ Engine 10.3.

Known Issues in IQ Engine 10.3r4

HOS-17309	AP410C access points sometimes become unstable and reboot.

HOS-17271	AP305C, AP302W, and AP510C access point cannot detect clients that are connected to a different BSS. **Workaround**: To detect devices connected to neighboring networks, use promiscuous mode.
HOS-16843	Devices running IQ Engine 10.3r1 sometimes generate WIPS alarm messages for excluded channels.

Addressed Issues in IQ Engine 10.3r4

CFD-6494	ExtremeGuest Essentials allowed non-employees to register as employees.
CFD-6481	Supplemental CLI Commands that were uploaded to devices were not functioning as expected.
CFD-6473	Wi-Fi interfaces sometimes became unresponsive and did not transmit data.
CFD-6154	AP650 access points sometimes restricted the data throughput of some applications so that some file transfers were slow.
HOS-16915	Wired Clients connected to a AP150W functioning as a router did not appear in the ExtremeCloudIQ client list.
HOS-16788	Transmit and Receive Byte count values did not match the values reported in ExtremeIOT and Client 360 View.

Addressed Issues in IQ Engine 10.3r3

CFD-5858	AP250 access points sometimes became unresponsive and required a manual power cycle to recover.
CFD-5832	AP650 access points running IQ Engine 10.2r3 were spontaneously rebooting. This behavior might also affect AP510C access points.
CFD-5519	AP122 access points exhibited high CPU usage when ACSP was running.
HOS-17075	When an admin attempted to terminate a DFS channel BSS or client, the access point did not terminate the target.

Addressed Issues in IQ Engine 10.3r2a

CFD-5719	For some tablet devices, the wireless connection was unstable when the devices were associated to AP305C access points.
HOS-17160	AP410C access points sometimes became unresponsive.

Addressed Issues in IQ Engine 10.3r2

CFD-6092	The Eth1 port of the AP302W access point did not supply sufficient PoE power to supply some devices.
HOS-16837	The channel width on some APs did not change dynamically.
HOS-16833	Software Defined Radio (SDR) configurations sometimes did not upload successfully to the AP.
HOS-16793	AP302W wallplate access point experienced high packet loss and loss of connectivity after the admin enabled private client groups (PCG).

Addressed Issues in IQ Engine 10.3r1

This is the inaugural release of IQ Engine 10.3.