Extreme networks

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IQ Engine 10.3r3 Release Notes

Release date: June 14, 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 21.2.20.1 and later

New Features and Enhancements

This release introduces the following new features and enhancements:

AP302W Support Enhancements: IQ Engine now includes the following enhancements for the AP302W wall plate access point:

- The AP302W access point operating as a router now possesses feature parity with the AP150W access point operating as a router.
- When operating as a router, AP302W access points now support URL filtering.
- IQ Engine running on the AP302W access points now report additional wired client statistics to ExtremeCloud IQ and ExtremeIOT.
- You can configure the Eth1 port to function as a backhaul port.
- AP302W access points now support client mode.
- IQ Engine now extends the user policy enforcement to include devices connected to the wired ports.

Country Code Support: IQ Engine 10.3r3 includes support for Palau, Cameroon, and Kazakhstan.

Security Hardening: IQ Engine has been enhanced to prevent remote code executions, de-aggregation attacks, and de-fragmentation attacks.

Power Floor Improvement: Devices running IQ Engine 10.3r3 can now set the transmit power floor to 1 dB to prevent excessive EIRP after imputing the combined gains of radio chains and antennas. Previously, the power floor was 2 dB.

Tech Data Content Enhancement: Tech data exported during troubleshooting now includes PSE configuration information.

802.11ac Hardware Support: IQ Engine 10.3r3 now supports the following 802.11ac access points: Atom AP30, AP122, AP130, AP150W, AP230, AP250, AP550, and AP1130.

Known and Addressed Issues

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

Known Issues in IQ Engine 10.3r3

HOS-17309	AP410C access points sometimes become unstable and reboot.
HOS-16788	Devices are reporting inconsistent values for transmitted and received byte counts.
HOS-16878	Devices running IQ Engine 10.3r1 sometimes generate alarm messages with neighborhood background scanning disabled.
HOS-16843	Devices running IQ Engine 10.3r1 sometimes generate WIPS alarm messages for excluded channels.

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.