ExtremeCloud SD-WAN Appliance Firmware ipe v24.5.7 Release Notes

New Features, Improvements, and Known Issues

9039321-04 Rev. AA

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Abstract

This release notes document for ExtremeCloud SD-WAN Appliance Firmware version ipe 24.5.7 outlines new features, addressed defects, and known issues for SD-WAN deployment environments. The primary new feature, BFD Configurable Timers and Per-Interface Profiles (SWAN-52), enables per-WAN interface optimization of Bidirectional Forwarding Detection transmit intervals and multiplier values, with appliance-level settings capable of overriding template-level configurations. Key defect resolutions include updated default BFD timers adjusted from 5 × 200 ms to 4 × 600 ms to improve stability on high-latency and packet-loss-prone wireless links (CFD-15990), dynamic DPI cache adjustment to prevent resource exhaustion during high-traffic periods in fabric mode (CFD-16526), firmware-controlled LED support for IPE 420AX appliances (WAF-978), and elimination of false End-to-End Connectivity Lost alarms in hub-and-spoke Fabric Extend topologies (CFD-14353). A known limitation exists regarding IPE-2200 rackmount kit compatibility, supporting rack depths between 26 and 33.5 inches. Users are directed to Extreme Networks support channels for additional assistance.

General Release Information

Current Release: ipe 24.5.7

New Features in ipe 24.5.7

New features in release 24.5.7

Feature ID	Feature	Description
SWAN-52	BFD Configurable Timers and Per-Interface Profiles	BFD transmit interval and multiplier values are configured per WAN interface, allowing you to optimize failure detection for different link types. Appliance-level settings can override template-level BFD settings.

Addressed Issues in ipe 24.5.7

Addressed Issues in release 24.5.7

Issue ID	Description
CFD-15990	The default SD-WAN BFD timer of 1 second with a multiplier of 5 caused frequent IS-IS adjacency flaps on slow or unstable wireless connections, even when the IPsec tunnel remained operational. The default BFD timer was updated from **5 × 200 ms** to **4 × 600 ms**, increasing the timeout to better tolerate latency and intermittent packet loss on poor-quality WAN links.
CFD-16526	The **WAN Out of Resource/Out of Context** alarm was repeatedly triggered on SD-WAN appliances operating in fabric mode during periods of high traffic, particularly when DNS traffic was dominant. Stale DPI sessions accumulated and exhausted the available DPI context resources. The DPI cache now dynamically adjusts its scan window based on the current system load to remove stale entries more efficiently and prevent resource exhaustion.

Issue ID	Description
WAF-978	The **IPE 420AX** did not support firmware-controlled system status LED behavior.
CFD-14353	In a hub-and-spoke SD-WAN Fabric Extend topology, the spoke appliance generated persistent **End-to-End Connectivity Lost** alarms for the Ingress Controlled Backup (IBA) path to the hub, even though site-level connectivity remained intact and end-user traffic was unaffected.

Known Issues in ipe 24.5.7

Known Issues in ipe 24.5.7

Issue ID	Description
NA	The rackmount kit included with the IPE-2200 appliance supports rack from 26'' to 33.5" deep. If your rack depth is outside this range, use a compatible alternative rackmount kit.

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