

ExtremeCloud™ IQ

Cloud-Based Network Management

Tech Ascension 2023
Cloud Infrastructure
Solution of the Year



IT teams are grappling with support of hybrid work environments, budget constraints, and the pressure of delivering quality user experiences. ExtremeCloud IQ, a key enabler of Extreme's cloud networking architecture, provides unified management and insights for an end-to-end view of Extreme device and SD-WAN portfolio. Extreme's One Network One Cloud approach simplifies secure connectivity across branch, edge, campus, and data center environments by leveraging artificial intelligence (AI) networking and Universal ZTNA for network and application access control.

Unified for simplicity

- Provides enhanced insight and streamlined management of wired, wireless, and SD-WAN through comprehensive visualization and reporting.
- Expedites routine tasks through workflows, Instant features, and open API integrations.
- Automates configuration of Universal ZTNA, SSIDs, ports and VLANs on Universal access points (APs) and switches.
- Helps ensure network health and positive end-user experiences with proactive alerting and device and client monitoring.

Secure for protection

- Assists with access control and over the air threat detection leveraging Extreme's Universal ZTNA and AirDefense Essentials.
- Conforms to ISO, CSA-STAR certifications, and SOC2 and GDPR compliance.
- Addresses data privacy and compliance requirements via a range of cloud management deployment options.

AI Networking for scale

- Optimizes network performance, customer experience, and security by providing actionable insights using anomaly detection with Explainable ML (machine learning) with recommendations.
- Expedites routine tasks through workflows, Instant features, and open API integrations.
- Identifies issues and facilitates troubleshooting with ML Insights and dynamic packet capture (PCAP) help to address problems clients typically encounter when associating with an AP.

Licensing for efficiency

- Facilitates cloud migration of third-party and legacy devices through simplified licensing and pooling.
- Enables effective license usage and cost predictability through license portability.



Unified for Simplicity

Managing an end-to-end network requires a range of capabilities to streamline daily operations and reduce costs. ExtremeCloud IQ provides industry-leading unified network management across datacenter, campus, branch, and edge environments. It combines a comprehensive range of network management and analytics applications. Administrators can manage, configure, monitor, and troubleshoot Extreme Wired and Wireless devices and SD-WAN.

ExtremeCloud IQ provides full-stack visibility and analytics to help isolate problems and facilitate rapid troubleshooting. Advanced reporting and proactive alerting help ensure network health and positive end-user experiences. Granular application visibility helps administrators better understand user behavior and facilitates root cause analysis. The automation features include auto-provisioning, wizards, templates, and APIs to orchestrate and integrate routine processes. Intuitive workflows make configuration and provisioning tasks easier and more efficient. Instant features speed switch onboarding, provisioning, and set-up operations and ensure consistency. The Instant Secure Port feature links to the Universal ZTNA RADIUS service for integrated authentication and policy enforcement.

AI Networking for Scale



The ExtremeCloud IQ ML Insights features provide analysis in real-time and historical dashboard views with the ability to drill-down into details. This helps identify and troubleshoot network events that clients typically encounter when associating with an access point (AP), authenticating, and accessing the network. Intelligent automation triggers dynamic PCAP to collect salient data used for root cause analysis. The analysis includes details of an event and the suggested remediation.

Anomaly detection and proactive alarms help to ensure the user experience and increase network uptime. Extreme's practical approach to AI networking reduces the number of trouble tickets and escalations by looking for patterns ahead of time. Curated, out-of-box AI anomaly detection for wired and wireless environments require no tuning. This simplifies setup and saves time. ExtremeCloud IQ features Explainable ML algorithms that are transparent, so users can trust the insights and recommendations. It identifies the anomalies that matter proactively, provides context, and recommends actions to remediate issues.

Secure for Protection

Unified, cloud-based management allows ExtremeCloud IQ to identify threats, ensure consistent policy, and supports network and application access control. When ExtremeCloud IQ is used with ExtremeCloud Universal ZTNA, it enables application and network access control supporting both hybrid work and NAC for guest access, IoT, and bring your own device (BYOD) use cases.

Extreme's One Cloud implementation of ExtremeCloud IQ is secure by design, with infrastructure as-a-service (IaaS) vendor agnostic security and privacy certifications. It conforms to ISO / IEC 27017 / IEC 27001 and ISO / IEC 27701. ExtremeCloud IQ also has CSA-STAR compliance certification to ensure the highest levels of information systems and data protection, management, and compliance. ExtremeCloud IQ offers customers cloud choice in deployment – whether public, private, or ExtremeCloud Edge options to support data security and compliance needs. It is designed to facilitate compliance with US and international data privacy regulations including CCPA/CPRA, GDPR, and other international regulations.

Licensing for Efficiency



By leveraging ExtremeCloud IQ Site Engine, IT organizations can transition to cloud-based network management at their own pace. Many IT operations teams are consolidating the number of network management tools they use in their environment as they transition to software as-a-service (SaaS) infrastructure management platforms. ExtremeCloud IQ Universal Licensing provides consistent pricing as organizations implement their transition plans. The Universal Licenses are pooled, so they are not specific to device, location, or user. They can be applied to any Extreme Universal or legacy device as well as third-party switches, APs, firewalls and IoT devices.

Universal Licenses are portable across devices, device types, and Extreme's network management applications. The same license applies to APs, switches, third-party, and cloud-native devices. The licenses are pooled with simple, value-based tiers. They are portable across on-premises, public, private, and ExtremeCloud Edge cloud-based deployments. This portability allows licenses to be transferred between devices, providing efficient license usage and cost predictability.



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