

Extreme Fabric: Simplifying Network Operations

Extreme Fabric is the industry's most widely deployed and only end-to-end, automated, and secure network fabric solution that spans campus, data center, and branch. Extreme Fabric, built on Shortest Path Bridging, is a network abstraction technology that delivers virtualized network services, connecting users and devices across the network. It enables multiple, discrete, and secure virtual networks to run seamlessly over a common infrastructure, independent of topology. These virtualized networks are inherently secure, with automated provisioning that minimizes manual configuration and the risk of network errors.



Unify

Highly scalable fabric solution that spans campus, data center, and branch locations over wired, wireless, and third-party devices.



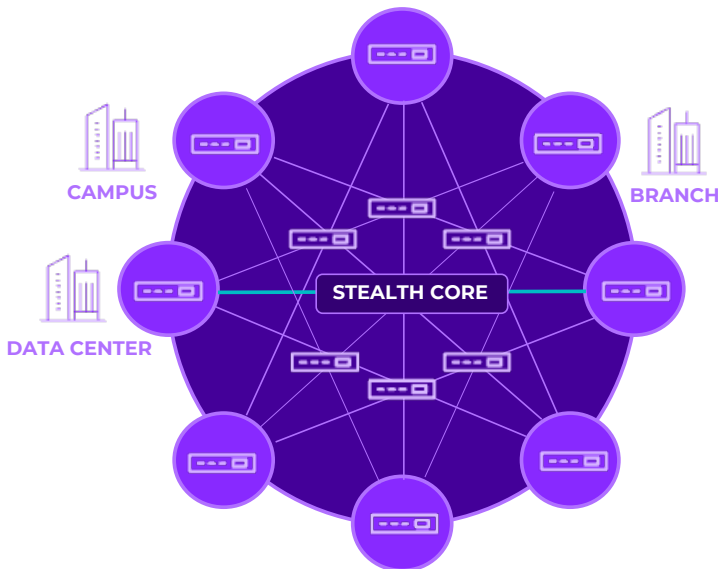
Automate

Built-in automation helps eliminate manual configurations to enable faster deployments, easier troubleshooting, and better network resiliency.



Secure

Inherently secure design isolates network services and protects against network breaches.



Eliminating Complexity

From multiple protocols to one

Build robust, scalable, and reliable virtual architectures that are free from complexity as Shortest Path Bridging (SPB) technology eliminates the need to understand and configure multiple protocols and replaces them with just one.

Faster Time to Service

Edge-only provisioning

Improve service agility and eliminate the need for maintenance windows. Edge-only provisioning in near real-time reduces the time taken to make business changes and enables IT to deliver services to business on the same day. In addition, dynamically deploy services and devices in a highly virtualized world with automatic attachment of devices.

Better Time to Repair

Eliminate hop-by-hop analysis

Troubleshoot faster with Shortest Path Bridging. SPB's deterministic paths enables troubleshooting to focus on end-to-end path instead of examining each hop individually. Services are presented only at the edge nodes and the core nodes are only involved in data forwarding and never terminate services.

Enhanced Business Continuity

Sub-second recovery

Experience high levels of agility and superior service availability as Extreme Fabric consistently delivers sub-second recovery across the entire network including Layer 2, Layer 3, and IP Multicast services.

Invisible Core

Simplified security

Safeguard and secure the network against IP-based attacks. Ethernet-centric Shortest Path Bridging technology makes network topology invisible from IP-perspective as there are no inherent hop-by-hop paths to trace. Additionally, services are transported completely isolated from each other, preventing lateral movement.

Automated IoT

Plug & Play networks

Simplify and expedite provisioning of IoT devices while reducing network exposure and attack profile. Extend services to the edge only when required and only for a specific application session. As applications terminate, or end-point devices disconnect, the now-redundant services retract from the network.

Multicast Made Easy

Simplified scalability

Leverage the advantages of Extreme Fabric's single-protocol technology – Shortest Path Bridging – to integrate IP Multicasting directly into the stack without the need for complicated protocol overlays, resulting in simplified provisioning to enable highly scalable networks.

Resource Efficient

Do more with less

Simplify network operations with built-in automation. Edge-only provisioning helps reduce time to service, Zero-touch provisioning and auto sensing offer plug-and-play capabilities for new devices, and fully automated sub-second recovery ensures service continuity. Extreme Fabric not only improves IT efficiency but also enables IT to focus on more strategic initiatives.