

Create a Highly Resilient, Enterprise-grade Branch Architecture

SMART OUT-OF-BAND WITH UNITY EDGECONNECT SD-WAN

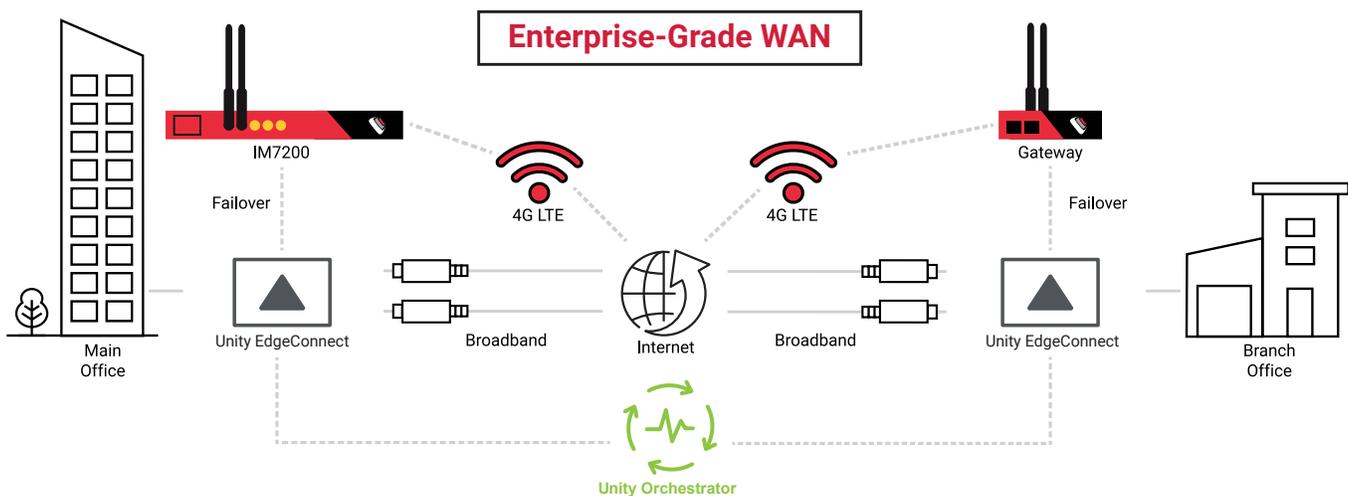
Many enterprise IT organizations are modernizing corporate networks to support increased flexibility and intelligent systems management, while simultaneously reducing operating expenses. SD-WAN is the clear favorite for new deployments, with the ability to scale quickly, centralize control and visibility of the system, and leverage the benefit of broadband internet alongside the more traditional MPLS circuits.

As with any IT infrastructure at branch locations, it is important to have remote access to the equipment at any time, so that critical events can be monitored and remediated from a central location. Modern organizations don't have the luxury of waiting for technical support staff to arrive on site before bringing the network back on line. Brand reputation can be damaged when customers lose access to their accounts, or local staff can't provide the expected level of service. The network needs to be available at all times.

THE SMART SOLUTION

Adding a cellular out-of-band management network to the deployment of a Silver Peak EdgeConnect node ensures visibility to remote devices even when the SD-WAN network cannot be directly accessed. The Opengear Resilience Gateway features *Smart Out-of-Band* management (*Smart OOB™*), with embedded 4G-LTE that provides always-on cellular access to the EdgeConnect node and associated network devices such as switches and PDUs.

Maintaining a dedicated, out-of-band physical connection from the Opengear Resilience Gateway to the console port on critical equipment allows a network engineer to remotely access the impacted unit, diagnose the problem and in many cases remediate the issue without going on site. This allows organizations to confidently operate and maintain their remote IT infrastructure, including the EdgeConnect SD-WAN nodes, knowing that they can easily gain console access to remote devices when necessary.



Remote console connectivity is especially valuable in the early days of a network deployment or migration, when configuration corner cases and other unexpected issues are most likely to arise. As a result, deploying Opengear Resilience Gateways in conjunction with Silver Peak EdgeConnect branch nodes can significantly accelerate deployment velocity, in turn reducing engineer time on site and associated costs.

Opengear's *Smart OOB* lets enterprises remotely and securely monitor, access, and manage virtually any device on the SD-WAN network from anywhere. The powerful combination of remote access and monitoring capabilities include auto-response and remediation, plus out-of-band access over cell/dial and Failover to Cellular™ backup. All features are easily managed from a centralized console. *Smart OOB* dashboards provide secure remote interaction with key data and the real-time status of power levels, network availability, server performance, temperature conditions, cage door positions and more, all from a standard web browser.

CASE STUDY:

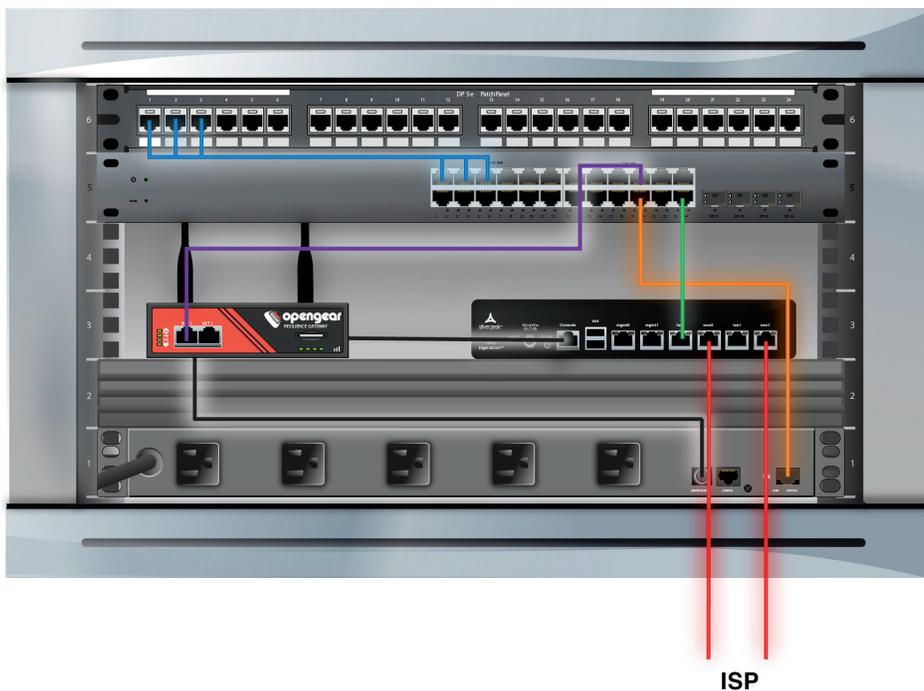
DEPLOYING ENTERPRISE-GRADE WAN ACROSS A BRANCH OFFICE NETWORK

A financial services company deployed an SD-WAN solution at each of its branch offices throughout the U.S., replacing hundreds of expensive dedicated MPLS lines routing traffic from the home office to each branch and back again. Deploying a Silver Peak EdgeConnect SD-WAN solution at each location has added flexibility to their network, while realizing a significant cost saving by replacing those legacy MPLS lines with less expensive broadband.

The company required a reliable alternative access solution in the event of hardware failure or software issues at remote sites. They chose Opengear Resilience Gateways to provide always-on connectivity with *Smart Out-of-Band* management. And by replacing the traditional POTS lines with cellular access, the fixed-line savings easily pays for the out-of-band investment.

SILVER PEAK UNITY EDGECONNECT

Silver Peak SD-WAN solutions enable distributed enterprises to build a better WAN, securely connecting users to applications without compromising application performance. Unity EdgeConnect physical or virtual appliances deliver predictable application performance over any combination of transport services including low-cost consumer broadband. Orchestrated application-driven security policies enable direct internet breakout for trusted SaaS and web applications. Fully compatible with existing WAN infrastructure, EdgeConnect provides a graceful migration to an SD-WAN and ultimately to the Thin Branch, simplifying the WAN architecture. EdgeConnect high-performance SD-WAN solutions improve business productivity and customer responsiveness while significantly lowering WAN OPEX and CAPEX.



SD-WAN & OUT-OF-BAND: A SMART SOLUTION

Modern networks are utilizing SD-WAN to increase flexibility, reduce costs and secure connections of standard broadband. Providing the ability to dynamically choose the most efficient traffic route, SD-WAN routers are more sophisticated requiring more firmware updates which can create more opportunities for challenges to arise.

Read our white paper: <https://opengear.com/sd-wan-and-smartooob>



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