

SD-WAN

Performance	<p>Dynamic Multipath Optimization comprises of automatic link monitoring, auto detection of provider and auto-configuration of link characteristics, routing and QoS settings. On-demand, Per-packet link steering is performed automatically based on the measured performance metric, intelligent application learning, business priority of the application, and link cost. Delivers sub-second blackout and brownout protection to improve application availability. Remediates link degradation through forward error correction, activating jitter buffering and synthetic packet production.</p> <p>Smart QoS Granular classification of 2,500+ applications enables smart control. Out-of-the-box defaults set the Quality of Service (QoS) policies for common business objectives with IT required only to establish traffic priority. Knowledge of application profile enables automation of QoS configurations and bandwidth allocations.</p> <p>Application Performance Monitoring continuously computes a Quality Score (VQS) to assess performance of critical voice, video, or data applications at any given time with the ability to alert IT staff. This analysis provides administrators a comprehensive before-and-after view into application behaviour on individual links and the future enhancements.</p>
Scalable & Interoperability	<p>Scalable and redundant gateway capacity is automatically orchestrated when and where needed for enterprise grade branch-to-branch, branch-to-data center, and branch-to-cloud access. Static, backhauled and unreliable best effort access paths are eliminated.</p> <p>Our cloud network provides access to cloud and enterprise datacenter's via standard IPsec connections, eliminating need for datacenter installations or manual per-branch setup. Cloud gateways provide colocation or direct connect access to SaaS and IaaS.</p>
Application Visibility	<p>SD-WAN offers recognition and classification of 2,500+ applications and sub applications without the need to deploy separate hardware or software probes within each branch location.</p> <p>It intelligently learns applications as they are seen on the network and adds them to the VeloCloud cloud-based application database. Services such as firewall, intelligent multipath, and Smart QoS may be controlled through application-aware business policy control.</p>
Security	<p>An SD-WAN can improve network security by encrypting WAN traffic as it moves from one location to another, and by segmenting the network so that if a breach occurs, the damage is minimized.</p> <p>SD-WAN can also assist IT administrators detect attacks more quickly by providing constant visibility into the amount and types of traffic on a network.</p>
Reliability	<p>MPLS networks typically offer highly reliable packet delivery. Internet uplinks, on the other hand, often fail. To compensate for this fact, many organizations that move entirely to SD-WANs choose to order multiple internet links from different providers to maintain 99.99 percent availability in the case of link failure.</p>