Lumen℠ SD-WAN with Versa Networks

Integrated control, intelligent automation and maximized performance for large enterprise networks.

Lumen SD-WAN with Versa Networks is a turnkey, centralized cloud management platform that helps better protect from ever-changing vulnerabilities, increase application control, and improve networking performance, resource and bandwidth efficiency for multi-site deployments.

Frequent use cases

Software-defined branch management
Bring multiple branch, campus, retail, data center, colocation and cloud locations under a single network umbrella with uniform policies and security protocols.

WAN optimization
Seamlessly integrate public and private transport – MPLS, Ethernet, internet, broadband, 4G/LTE – and intelligently route traffic to effectively utilize bandwidth while eliminating bottlenecks, backhauling and passive connectivity.

Software-defined security
Minimize security risk across your enterprise, including remote and branch locations, with constant visibility, centralized security management and policy from a single dashboard.

Benefits

Accelerated network agility
Manage and make changes to routing and user policies, traffic thresholds and security controls in near real time across your entire network.

Operational efficiency
Managed services supplement in-house resources with highly skilled experts to help design, configure, deploy and manage your network, freeing up valuable IT resources for other projects.

Maximized app performance
Dynamically route traffic based on app business rules and network conditions. Prioritize essential apps, automatically mitigate performance issues and deploy app-aware failover to help ensure continuous access to critical cloud-based resources.

Enhanced resiliency
Defend your hybrid network by deploying active/active connectivity that's balanced under normal conditions and automatically reroutes if one connection goes down.

Automated network intelligence
Enable automatic routing by user group, application, traffic thresholds or site location to deliver latency-minimized, prioritized traffic management for critical and sensitive traffic.
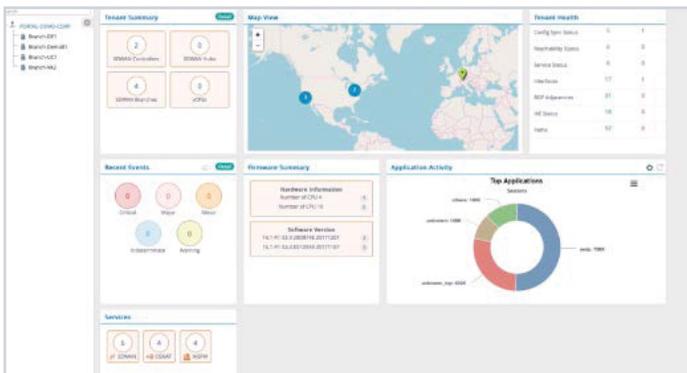
Figure 1: A sample overview dashboard from Lumen SD-WAN with Versa Networks.

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Technical features and capabilities

Connectivity and design

- SD-WAN hosted infrastructure, software licenses and rental customer premises equipment (CPE) options supporting up to 10 Gbps
- Lumen connectivity or bring-your-own-transport—MPLS, Ethernet, dedicated internet, broadband, 4G/LTE
- Multiple virtual routers for complete traffic segmentation with unlimited forwarding paths
- Site-to-site auto VPN securely connects branch locations using fully meshed, partially meshed or hub-and-spoke
- Flexible WAN design options to fit individual site needs including high-availability and global configurations as well as BGP, OSPF, and CGNAT

Management and control

- Management flexibility with fully managed and co-managed options; 24/7 customer self-service portal access for agile co-management
- Automatic, customer and pre-defined identification for over 3,100 applications for policy-based control; application QoS, intelligent optimal path selection and packet duplication
- Service wrapper includes design, deployment, configuration, activation, change management, appliance/circuit monitoring and upgrades, event management, appliance upgrades and 24/7 support for the entire WAN solution
- Optional (for fee) on-site installation and maintenance at each SD-WAN site

Security and insights

- Authentication, key exchange and encryption
- Stateful firewall and Geo-IP based firewall rules include content filtering, URL filtering, IP filtering and IDS/IPS
- Real-time and historical analytics and reporting with pervasive visibility from Layer 2 to Layer 7 – sites, circuits, apps, threats, SD-WAN, etc.

Why choose Lumen?

- Network leadership, As a Tier 1 global WAN provider with extensive peering of public and private IP networks and a CDN network with over 40 terabits per second (Tbps) total edge capacity, we are experts in traffic steering and network management.
- Security, Our global visibility into the threat landscape enables us to see more threats before they impact your business.
- Global network, Approximately 450,000 fiber route miles and services in North America, EMEA, Latin America and APAC.

FROST & SULLIVAN

2019 BEST PRACTICES AWARD

2019 Frost Radar Best Practices Award for Innovation Excellence in the North American Managed SD-WAN

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