

## Accelerate your SASE adoption with Versa

Secure, Smart, and Simple solution designed to meet the needs of businesses moving to the cloud

Versa SASE reduces the cost, time, and complexity of distributed environments by integrating security, networking, SD-WAN, multitenancy, and analytics via the cloud, on-premises, or a combination of both. Versa SASE meets the requirements for small to large enterprises and service providers, providing enhanced user/network/application visibility with policy-based control for protection and delivering optimal user/application performance.

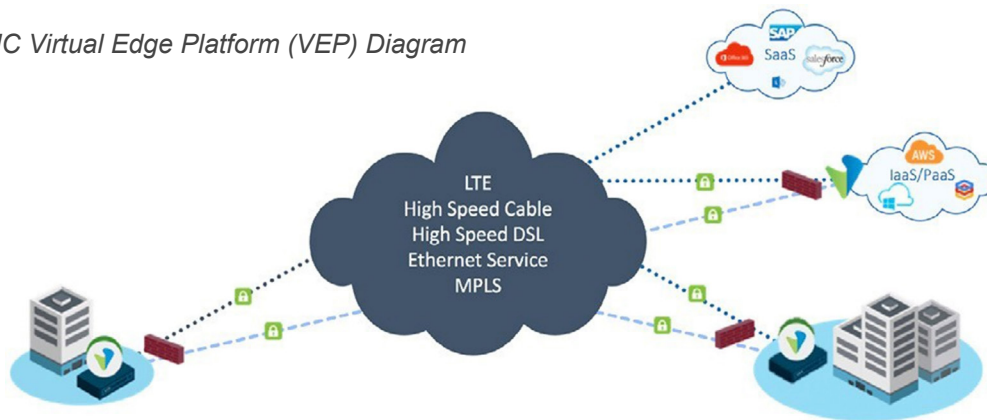
### Why Versa SASE:

- **Single pane of glass management** interface for cloud and on-premises networking and security
- **Integrated software image (VOS)** runs all networking, security, and analytics services in the cloud and on-premises
- **Single-pass parallel processing architecture** reduces latency, improves performance, and reduces attack surface and vectors
- **Consistent policy and features** via common design and architecture for networking, security, and analytics across cloud, on-premises, and client
- **Multi-tenancy** enables separation between every tenant extended to every branch site and client for granular roles and segmentation
- **Flexible deployment options** available via the cloud, on-premises, or as a blended combination of both

### Dell Technologies + Versa Networks

- Market leading software-defined branch solution that integrates routing, SD-WAN, Security, Wi-Fi, LTE in a single appliance
- Address the performance, networking, security and support needs of Fortune 500 and Forbes Global 2000
- Industry-leading, x86-based hardware built for open network available globally with local fulfillment and support
- Portfolio of small to large appliances with the same software to meet the varying needs of different sites

Versa on Dell EMC Virtual Edge Platform (VEP) Diagram

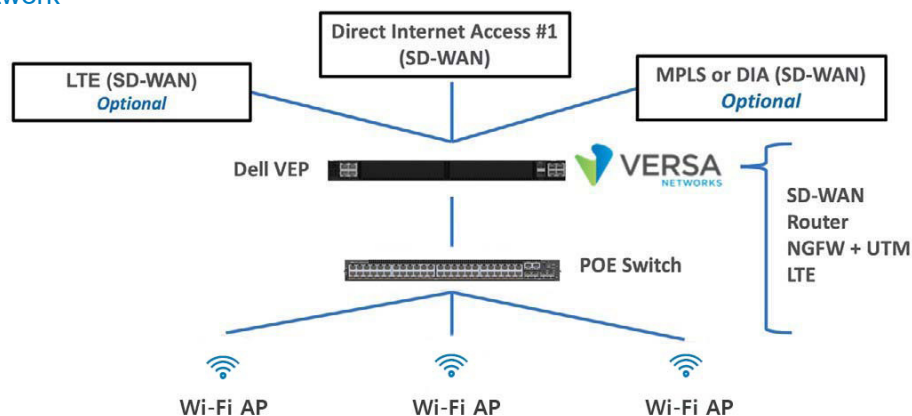


Full Stack Networking and Security for WAN EDGE	Smoothest Migration from Legacy to Current Network	Secure Local Internet Breakout Estate Wide
<ul style="list-style-type: none"> <li>• Simplify the WAN Edge and eliminate appliance sprawl</li> <li>• Routing, networking services, SD-WAN, Wi-Fi, LTE &amp; Security</li> <li>• uCPE to Host 3rd Party VNFs</li> <li>• Flexible site configurations (Mesh, Hub-Spoke, or both)</li> <li>• Support multiple WAN types – Ethernet, MPLS, IP, Satellite, etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Full router (IPv4/IPv6, OSPF/BGP),MPLS,NAT, DHCP, etc.</li> <li>• Underlay &amp; Overlay in a single appliance</li> <li>• Seamless interoperability across existing network and SD-WAN</li> <li>• Self-healing, standard routing-based network reachability</li> <li>• Easily migrate existing configurations and policies</li> </ul>	<ul style="list-style-type: none"> <li>• Enables distributed, direct connect to the Internet at remote sites or through gateways</li> <li>• Integrated Stateful Firewall, NGFW, IDS/IPS, AV, URL Filtering, DNS / SSL Proxy</li> <li>• Policies based on context (user, app, device, location) to ensure network usage maps to business intent and compliance</li> </ul>

## Product Comparison

Features	Why it Matters
DIA & SaaS Optimizations	Ensure cloud-based services and SaaS applications operate optimally at any moment
NGFW & UTM built-in	No complexity/cost to integrate with other security devices/services (although easily done if required)
Advanced BGP/OSPF support	Fits right into customer network, with no requirement for separate gateways, no interoperability with legacy locations
Data-Driven SLA Monitoring	Finer control over SLA traffic per overlay path based on local and remote endpoint link properties. This can help to reduce SLA traffic towards remote LTE links, reducing LTE usage and cost.
Core-Anchoring	Allocates cores for specific applications for enhanced processing speeds, ensuring critical application service quality
Application-based policy	Sends packets or sessions over the best WAN circuit at the time of sending based on App identity, not IP address, ensuring optimal application performance as Internet/WAN characteristics change over time
Native uCPE platform	Hosts guest virtual network services like WAN Optimization or existing virtual security functions, providing flexibility of vendor choice while delivering an efficient platform for data and packet processing on Intel DPDK-based Dell appliances
Analytics Built-in	Contextual near-real time and historical visibility into all things across the WAN, enabling IT to better control and fine-tune policies while being aware of network utilization and threat assessments.

## Sample Branch Network



## Dell Technologies Network Appliances with Versa OS(tm) installed

The following Dell Technologies Network Appliances ship with VOS™ (Versa Operating System) software installed and boot-up as a Versa node, combining Versa WAN edge software for SD-WAN, Routing, and NGFW. Versa licenses are purchased separately.

Model	Dell Part #	Description
VEP1425/1425N	210-AREH/ 210-BCBE	Versa OS(tm) installed. 4 core Intel Atom x86-based processor, 8GB RAM, 120GB SSD, 2 routed 1GbE SFP ports, 4 routed 1GE Cu interface. Wi-Fi and Bluetooth (only VEP1425). Versa license required.
VEP1445/1445N	210-ASHR/ 210-BBZZ	Versa OS(tm) installed. 8 core Intel Atom x86-based processor, 16GB RAM, 240GB SSD, 16 routed 1GbE SFP ports, 4 routed 1GE Cu interface. Wi-Fi and Bluetooth (only VEP1445). Versa license required.
VEP1485/1485N	210-ASHK/ 210-BCBB	Versa OS(tm) installed. 16 core Intel Atom x86-based processor, 32GB RAM, 240GB SSD, 6 routed 1GbE SFP ports, 4 routed 1GE Cu interface. Wi-Fi and Bluetooth (only VEP1485). Versa license required.
VEP4600-V910	210-ATWN	Versa OS(tm) installed. 8 core Intel Xeon-D-2100 x86-based processor, 64GB RAM, 240GB SSD, 2 routed 10GbE SFP+ ports, 4 routed 1GE Cu interface, 2 redundant power supplies. Versa license required.
VEP4600-V930	210-ATWM	Versa OS(tm) installed. 16 core Intel Xeon-D-2100 x86-based processor, 64GB RAM, 960GB SSD, 6 routed 10GbE SFP+ ports, 4 routed 1GE Cu interface, 2 redundant power supplies. Versa license required.

## Versa Performance on Dell EMC VEP Network Appliances

Model	Processor	SD-WAN B2B + NGFW	SD-WAN B2B + NGFW + AV	SD-WAN + NGFW + URL Filtering + IPS + AV	SD-WAN + NGFW + AV + IPS + SSL Decryption	uCPE Support
VEP4600-V930	Xeon-D 16 Core	13.1 Gbps	5.5 Gbps	1.5 Gbps	500 Mbps	Y
VEP4600-V910	Xeon-D 8 Core	6.3 Gbps	1.6 Gbps	400 Mbps	250 Mbps	Y
VEP1485/1485N	Atom 16 Core	3 Gbps	1 Gbps	500 Mbps	400 Mbps	Y
VEP1445/1445N	Atom 8 Core	2 Gbps	400 Mbps+	250 Mbps+	150 Mbps+	Y
VEP1425/1425N	Atom 4 Core	800 Mbps	250 Mbps+	120 Mbps+	70 Mbps+	N

- Features activated simultaneously during SD-WAN + NGFW testing: IPv4 Routing / Forwarding, IPsec Encryption, Layer 7 Application based traffic steering, CGNAT, Nextgen Firewall (NGFW), QOS (Classification and Marking), SLA monitoring, internal service chaining, URL Filtering (URL Filtering requires 4C/8GB system). Testing done with industry-standard IMIX sized traffic distribution. Performance is measured as full-duplex traffic counted only once



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