What is Vocal IP's SD-WAN?

SD-WAN is a new and revolutionary network technology that enables business and enterprise customers to create reliable and secure private data and voice networks over any type of broadband connection. Vocal IP's Software-Defined Wide Area Network (SD-WAN) is an extension of Software-Defined Networking (SDN) technology. With SD-WAN, routing intelligence can be applied at the application layer, which means businesses can set routing priorities for over 5,000 different applications. SD-WAN is orchestrated with cloud-based management and automation to simplify the delivery of services to the customer's offices. All with the manageability, performance, and reliability assurances that businesses expect. Vocal IP's SD-WAN service benefits multi-location organizations and is an ideal solution for networks in heavily regulated industries such as healthcare, finance, legal, non-profit, and retail. This innovative technology is quickly becoming the new standard in enterprise networks, growing by 40% year after year and replacing MPLS networks worldwide.

How does Vocal IP's SD-WAN work?

By virtualizing network administration and security functions, Vocal IP's SD-WAN centralizes management in the cloud. Using cost-effective broadband such as shared fiber, cable, or 4G LTE, SD-WAN can effectively utilize available connections. Each location's SD-WAN appliance performs real-time monitoring of the WAN connections for performance degradation and intelligently routes traffic using connections with less latency, jitter, and packet loss. Vocal IP's SD-WAN Application Awareness capability enables Quality of Service (QoS) with dynamic traffic steering using the best WAN connection for mission-critical business applications, such as VoIP, CRM and SaaS. With quick, cost-effective deployment and an easy-to-use management portal, Vocal IP SD-WAN solution allows business of all sizes to take full control over their networks and reduce costs.


Vocal IP's SD-WAN service is available with 6 different network bandwidth throughput options; 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps, 1 Gbps and 2 Gbps. In addition, the service is available as SD-WAN only or combined with powerful Unified Threat Management (UTM) functionality. Vocal IP's SD-WAN package with Unified Threat Management (UTM) includes centralized security with powerful functions such as antivirus, an intrusion prevention system (IPS), web and email filtering with spam protection, and data leak prevention (DLP).

Traditional Enterprise WANs vs. SD-WAN

Traditional enterprise WAN typically leverages MPLS network architecture. However, MPLS networks are limited in that they can only work over dedicated connections, such as dedicated fiber. If Internet access is required over MPLS, firewalls become a necessity. Due to the high cost of dedicated connections, firewall hardware and licensing, MPLS is only cost-effective for larger locations. In traditional enterprise networks, each router operates independently, and administration is required at each device, slowing down network scalability and requiring advanced technical expertise. MPLS networks may be integrated with SD-WAN networks to leverage existing investments while getting the benefits of cutting-edge technology. SD-WAN is the next major step in the evolution of WANs, where networks can be easily centrally managed for all locations and performance, security and reliability can be ensured, regardless of the type of connection.
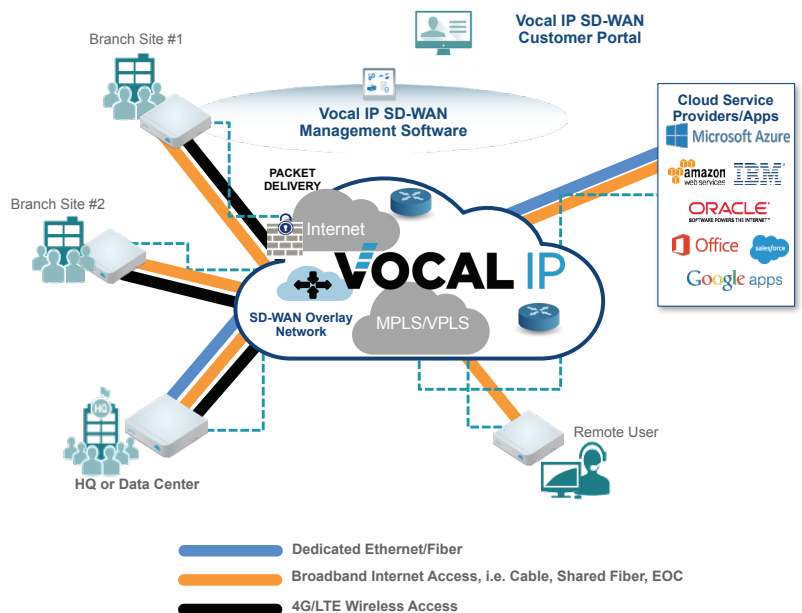
Key Features of Vocal IP's SD-WAN
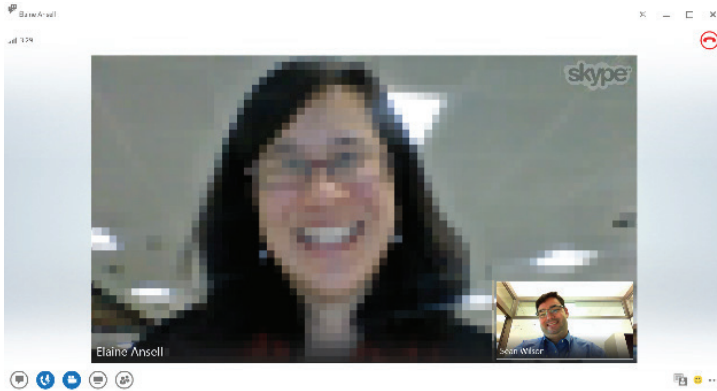
Unified Communications (UC) over broadband-based Internet often fails to deliver Quality of Service.

Vocal IP SD-WAN delivers UC and QoS using regular Internet >99% of the time.

Key Feature	Benefit to your Business
WAN Path Control	Network status and performance, WAN policies, application priority and QoS, security, etc. can be centrally managed from an easy-to-use network management portal.
Dynamic Application Fail-over	Phone calls and data connections are never lost as intelligent multi-path technology will seamlessly fail-over to the best available WAN link when a primary path degrades.
Application Steering and Automated Path Intelligence	SD-WAN can manage priority and QoS for over 5,000 applications. Application awareness enables intelligent routing based on specific application and user.
Bandwidth Aggregation	The bandwidth from multiple data connections are aggregated to maximize network capacity. SD-WAN provides per-packet load balancing. No more backup connections that sit idly waiting for the primary WAN link's failure.
Vocal IP Project Management and Zero-touch Deployment	Vocal IP provides end-to-end Project Management for SD-WAN deployments including on-site engineers to set up your network. For smaller locations that do not require a dispatch, we offer zero-touch deployment shipped SD-WAN devices to your locations and configure them remotely and securely, allowing rapid deployment of new locations.
Firewall and Unified Threat Management (UTM)	SD-WAN can be combined with an advanced firewall functionality with Unified Threat Management software, providing an added layer of security using tools like antivirus, an intrusion prevention system (IPS), web and email filtering with spam protection, and data leak prevention (DLP)

Vocal IP's SD-WAN technology is combined with our 24/7/365 technical and engineering support as well as proactive network management. Vocal IP will provide a customized network solution that is tailored to your current requirements and can easily adapt to changes within your business in the future.

About Vocal IP

Vocal IP, headquartered in New York City, is a nationwide provider of Data, Voice, Unified Communications (UCaaS) services backed by our wholly owned next-generation network. We are a privately owned, financially stable company and experienced steady organic growth over the years. Our services are backed by a reliable data and voice network with multi-access transport methods, highly experienced and certified engineering staff, efficient and responsive installation services and 24/7/365 technical support from our Network Operations Center (NOC). Vocal IP combines the strength of a best-in-breed, large scale national network of a major carrier with the service, expertise and customer focus of the most committed and knowledgeable IT consulting firm.

For more information, visit vocalip.com or email us at sales@vocalip.com