

Architecture, Engineering, and Construction

Easily connect sites with cloud-delivered WAN from VMware SD-WAN by VeloCloud



VMware SD-WAN delivers zero-touch, enterprise-grade WAN to rapidly connect remote sites for the architecture, engineering, and construction industries.

VMware SD-WAN™ by VeloCloud® modernizes architecture, engineering, and construction (AEC) enterprise networks with a cloud-delivered WAN that dynamically steers business-critical applications over the best available path for reliable access:

- Simplifies WAN for pop-up construction sites and remote offices by moving the network to the cloud for easy install and teardown
- Enables multiple, inexpensive broadband links, including 4G LTE, to behave like a secure and high-bandwidth WAN link for reliable access to building information modeling (BIM) systems and rich media files
- Enables faster deployment and ease of management of remote sites from mergers, acquisitions, and spinoffs with centralized management and policy-based enforcement
- Allows for flexible IT budget management with a cost-effective, pay-as-you-go subscription model

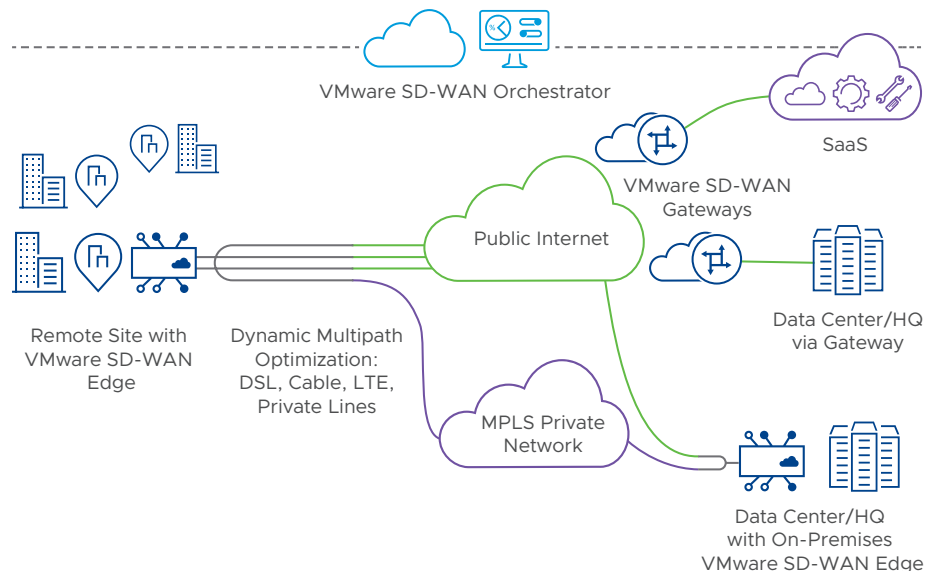


FIGURE 1: VMware SD-WAN network as a service provides a complete cloud-delivered WAN solution that includes cloud networking, virtualized services, and ordinary broadband links transformed to behave like an enterprise-grade Internet.

Simplify WAN deployment with cloud

- Deploy new, temporary, or pop-up branches in minutes with zero IT touch with the VMware SD-WAN Edge by VeloCloud with cloud activation and management.
- Automatically select cloud gateways for the best direct path, which eliminates backhauling of WAN traffic for software-as-a-service (SaaS) applications such as Office 365, BIM, and other cloud applications.
- Scale from one pop-up site to thousands of remote offices seamlessly with unified architecture. Provide full interoperability with other WAN vendors for remote branches from your acquisitions and mergers.
- Eliminate upfront CapEx costs with the subscription-based network as a service.

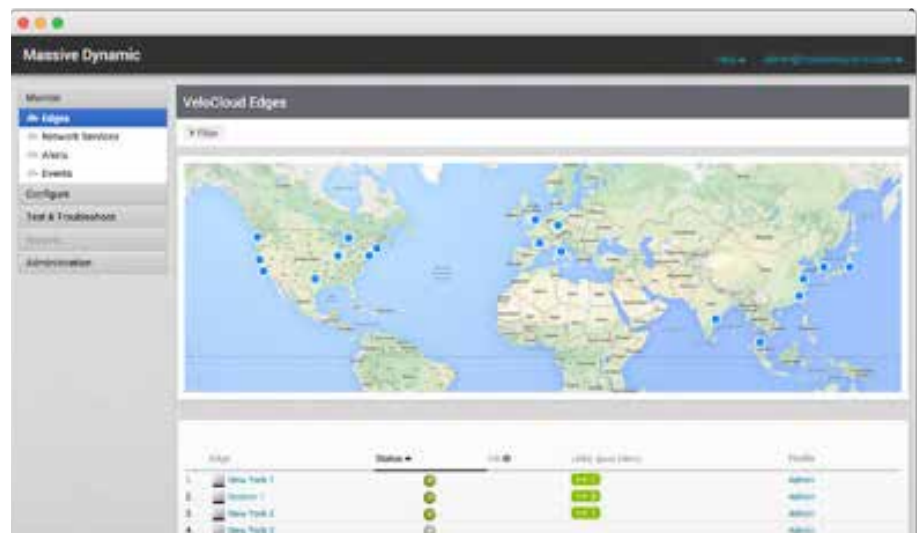


FIGURE 2: Geographically separated VMware SD-WAN Edges.

Aggregate broadband LTE links for remote sites

- Aggregate multiple inexpensive broadband links, including 3G/4G LTE and leased lines, into a virtual, high-bandwidth WAN to support critical applications, access to design and media data files, and collaboration such as voice/video and virtual desktops.
- Gain redundancy and performance protection from the enterprise-grade WAN with dynamic multipath steering and on-demand link remediation.
- Get granular control based on custom business objectives from smart quality of service (QoS) with application-aware classification for more than 2,200 applications.
- Attain enterprise-wide monitoring and group policy setting for all sites, ISPs, applications, and users.



FIGURE 3: VMware SD-WAN dashboard.

Centralized management, control, and policy enforcement

- Stateful and context-aware firewall (application, user, device) for advanced security
- Automatic, single-click site-to-site VPN for branch-to-headquarters and direct branch-to-branch traffic; monitor real-time status and health from the cloud console
- Business policies based on application priorities, usage, and security goals
- Easy plug-and-play device installation and teardown at remote sites based on the job requirement

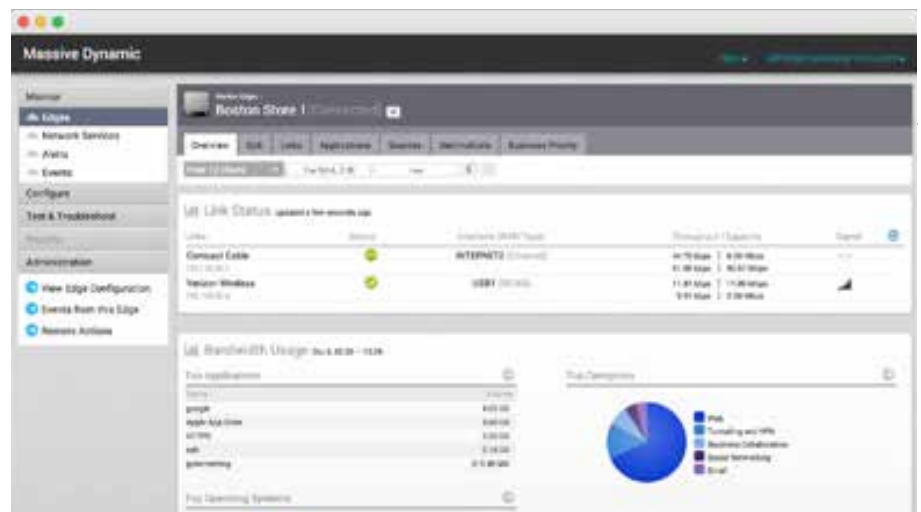


FIGURE 4: Example of VMware SD-WAN configuration.