DELIVER AN EXCEPTIONAL AND SECURE RETAIL CUSTOMER EXPERIENCE WITH ZSCALER AND VMWARE SD-WAN BY VELOCLOUD

The combination of the Zscaler™ Cloud Security Platform with the VMware SD-WAN by VeloCloud enables you to optimize and secure local internet breakouts. Together, the solutions enable fast, secure, and reliable access to websites and business-critical cloud applications from all your retail and corporate office locations.

Solution Overview

As more applications move to the cloud, the old approach of backhauling traffic over MPLS to a centralized internet gateway at the company headquarters via a hub-and-spoke architecture is no longer effective. It is expensive and introduces unnecessary latency that negatively impacts your retail associates and their ability to deliver the highest-quality customer experience. To support a cloud transition and deliver a fast user experience, network architects are reevaluating the design of their WAN architectures to find ways to route internet traffic locally and to take advantage of inexpensive broadband internet services, often turning to Software-Defined Wide Area Networking (SD-WAN). A key requirement for this transition is to maintain the enterprise risk posture and PCI compliance.

VMware SD-WAN by VeloCloud simplifies the way traffic is steered and provides bandwidth expansion for your retail locations. It also provides direct access to cloud applications through a distributed system of VMware SD-WAN by VeloCloud Gateways, a cloud-based VMware SD-WAN by VeloCloud Orchestrator, and the VMware SDWAN by VeloCloud Edge branch platform. Using broadband along with MPLS as the transport mechanism, Dynamic Multi-Path Optimization (DMPO) steers traffic on a per-packet basis to the optimal path and it remediates transmission degradations. By defining policies in the cloud via a single interface, organizations can easily deploy new applications and services, and manage policies across a large number of retail locations. To enable customers to maintain regulatory compliance, required traffic can be segmented and all site to site traffic encrypted.

Connecting all retail locations directly to the internet introduces significant security and user-experience risks, which are particularly challenging to manage with limited IT resources. One-click service insertion capabilities provided by the VMware SD-WAN business policy framework reduces complexity and aligns business policies with application needs and business objectives. Traffic policies can be effectively managed to easily forward traffic from your retail locations to the Zscaler Cloud Security Platform. Together, Zscaler and VMware SD-WAN minimize exposure to risks and enable the customer to maintain PCI compliance.

vmware®

Zscaler services enable organizations to move securely from castle-and-moat networks to modern direct-to-cloud architectures. Zscaler cloud-delivered services securely connect users to applications, regardless of where users connect or where applications are hosted, while providing comprehensive threat prevention and a fast user experience. All without the cost and complexity of appliances. Discover more at www.zscaler.com.

VeloCloud, now part of VMware, is a SD-WAN market leader. VMware NSX SD-WAN by VeloCloud is a key component of the Virtual Cloud Network and tightly integrated with NSX Data Center and NSX Cloud to enable customers extend consistent networking and security policies from the data center to the branch to the cloud. For more information, visit www.velocloud.com or www.vmware.com, and follow the company on Twitter @VeloCloud.

Zscaler delivers the entire security stack as a cloud service to secure internet traffic and deliver a fast user experience for your retail associates and your customers—without backhauling and without deploying stacks of security appliances at each location. By routing internet-bound traffic to Zscaler, businesses can immediately begin inspecting all traffic—all ports and protocols, including SSL. Organizations can define and immediately enforce access and security policies across all locations from a single console. This includes Data Loss Prevention and other controls to prevent PII or credit card information leakage. There is no compromising on security because policies follow the users to provide identical protection no matter where they connect. And, Zscaler cloud services scale elastically so you can deploy new services across all locations in just a few clicks.

Highlights

- VMware SD-WAN simplifies connecting retail and corporate office locations to the internet by leveraging multiple network connection types (broadband, LTE, and MPLS) and assuring optimal performance over any type of link, while enforcing PCI traffic segmentation and encryption.
- VMware SD-WAN steers internet traffic locally to Zscaler directly from NSX SD-WAN Edge or, for performance-sensitive traffic via its Gateway, to enable a fast and secure user experience for your retail associates and your customers.
- Zscaler delivers the entire security stack as a cloud-based service that eliminates the need to buy, deploy, and manage security appliances in all your locations.
- Zscaler ensures identical protection for users wherever they connect—with policies that follow the user, so your regional directors and district managers will have the same access wherever they connect.
- Zscaler enables organizations to define and immediately enforce access control, threat prevention and data protection policies across all locations from a single console and, together with NSX SD-WAN, allows rapid deployment of new security services in minutes, with just a few clicks.
- Together, VMware SD-WAN and Zscaler enable the customer to maintain the enterprise risk posture and PCI compliance while facilitating the transition to modern direct-to-cloud architecture via local internet breakouts at all locations.

Zscaler and VMware SD-WAN

Zscaler and VMware SD-WAN make it easy to migrate from a hub-and-spoke to a direct-to-cloud architecture by enabling secure and optimized local internet breakouts for your retail locations. With the VMware SD-WAN Cloud-Delivered solution, network administrators determine how to route traffic. Typically, all internet-bound traffic is forwarded to Zscaler, steering traffic from your retail locations on the VMware SD-WAN Edge to the Zscaler Cloud Security Service using IPsec tunnels. If needed, customers have the flexibility to steer traffic via the Gateway. Zscaler secures all traffic in the cloud without security appliances and VMware SD-WAN delivers dynamic multipath optimization. The Zscaler and VMware SD-WAN combination delivers a secure, high-performance SD-WAN solution that securely connects your retail locations to the internet with a fast user experience, so your teams have access to the applications and tools they need to deliver an exceptional customer experience.