

# Zscaler™ and VeloCloud SD-WAN



## SOLUTION OVERVIEW

Zscaler and VeloCloud combine Zscaler's best-in-class Cloud Security Platform with VeloCloud Cloud-Delivered SD-WAN to optimize and secure local Internet breakouts. Together, they enable fast and secure access to websites and business-critical cloud applications from branch and remote office locations.

As more applications move to the cloud, the old approach of backhauling traffic over MPLS to a centralized Internet gateway via a hub-and-spoke architecture is no longer relevant. It is expensive and introduces unnecessary latency that negatively impacts user experience. To support a cloud transition and deliver a fast user experience, enterprise network architects are re-evaluating 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).

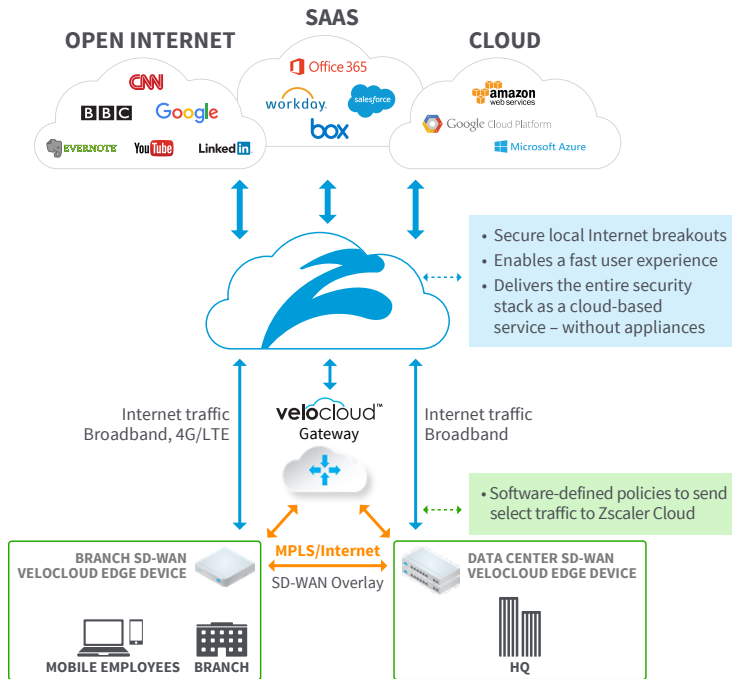
VeloCloud Cloud-Delivered SD-WAN simplifies how traffic is steered and provides bandwidth expansion for the branch. It also provides direct access to cloud applications through a distributed system of VeloCloud Gateways, a cloud-based VeloCloud Orchestrator and a branch platform, VeloCloud Edge. Using broadband along with MPLS as the transport mechanism, Dynamic Multi-Path Optimization steers traffic on a per packet basis to the optimal path as well as 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 locations.

However, connecting all branch 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 VeloCloud 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 many branches to Zscaler Cloud Security Platform. Together, Zscaler and VeloCloud minimize exposure to these risks.

## HIGHLIGHTS

- VeloCloud Cloud-Delivered SD-WAN simplifies connecting branches to the Internet, by leveraging multiple network connection types (broadband, LTE, and MPLS) and assuring optimal performance over any type of links
- VeloCloud steers Internet traffic locally to Zscaler directly from VeloCloud Edge or for performance sensitive traffic via its Gateway, to enable a fast and secure user experience
- 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 branch locations
- Zscaler ensures identical protection for users wherever they connect – with policies that follow the user
- Zscaler enables organizations to define and immediately enforce security and access policies across all locations from a single console, and together with VeloCloud allow rapid deployment of new security services in minutes, in just a few clicks

Zscaler delivers the entire security stack as a cloud service to secure Internet traffic and deliver a fast user experience — without backhauling and without deploying stacks of security appliances at each location. By routing Internet-bound traffic to Zscaler, customers 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. 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 in just a few clicks.



**ZSCALER AND VELOCLOUD**

Zscaler and VeloCloud make it easy to migrate from a hub-and-spoke to an Internet-only branch architecture by enabling secure and optimized local Internet breakouts. With VeloCloud Cloud-Delivered SD-WAN, network administrators determine what traffic to steer to Zscaler. Typically, all Internet bound traffic is forwarded to Zscaler, steering branch traffic from VeloCloud Edge or Gateway to the Zscaler Cloud Security Service using IPsec tunnels. Zscaler secures all traffic in the cloud, without security appliances and VeloCloud delivers Dynamic multipath optimization. The combined Zscaler and VeloCloud solution delivers a secure, high-performance SD-WAN solution that securely connects branches to the Internet with a fast user experience.

**About Zscaler**

Zscaler enables organizations to securely transform from the old world of IT, which focused on securing the internal network, to the world of cloud and mobility, where the Internet is the new enterprise network. Zscaler delivers the inbound and outbound gateway stacks as a service, providing secure access to the Internet and applications in the data center or cloud. Each day, the Zscaler cloud processes more than 30 billion requests, blocking 125 million threats for 5,000 organizations in 185 countries, and the ThreatLabZ research team provides continuous protection from new and evolving threats. Visit [www.zscaler.com](http://www.zscaler.com).

**About VeloCloud**

VeloCloud Networks™, Inc. is the Cloud-Delivered SD-WAN™ company, a Gartner Cool Vendor, the Frost & Sullivan Product Leader in the SD-WAN Solution Market, and a Best of Interop and Best of VMworld winner. The company simplifies branch WAN networking by automating deployment and improving performance over private, broadband Internet and LTE links for today’s increasingly distributed enterprises. VeloCloud SD-WAN includes a choice of public, private or hybrid cloud network for enterprise-grade connection to cloud and enterprise applications; branch office enterprise appliances and optional data center appliances; software-defined control and automation; and virtual services delivery. Discover more at [www.velocloud.com](http://www.velocloud.com).

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