



Zscaler and Silver Peak Solution Brief

SOLUTION OVERVIEW

The Zscaler and Silver Peak joint solution combines the Zscaler™ Cloud Security Platform with Unity EdgeConnect SD-WAN solution, enabling enterprises to build high-performing SD-WANs that provide secure direct internet access to any website or cloud application from branch and remote office locations.

The ready availability of inexpensive broadband internet services, combined with the migration of many standard IT applications from the corporate data center to the cloud, is prompting enterprise network architects to re-evaluate the design of their WAN architectures. Traditional hub-and-spoke topologies based on MPLS are expensive relative to broadband internet, and they force all traffic, including traffic for cloud apps, to be backhauled to the corporate data center for handoff to the internet – consuming bandwidth and negatively impacting user productivity for cloud apps.

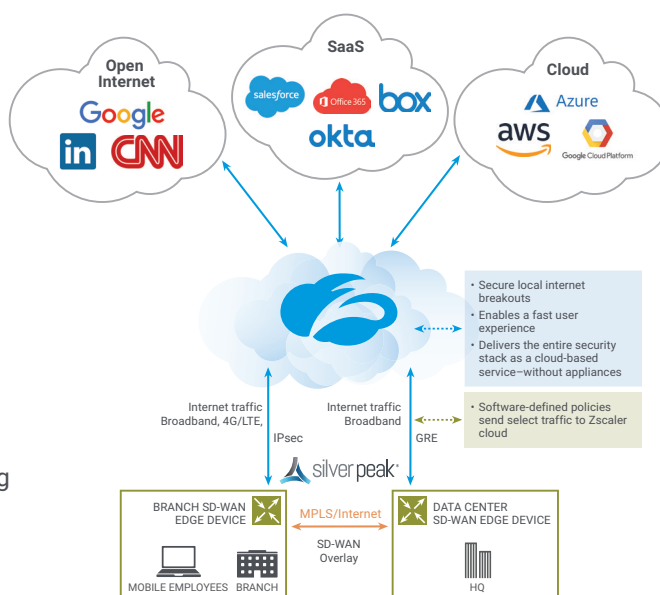
SD-WAN solutions enable enterprise WAN networks to be built using internet service (along with MPLS) as the underlying transport. As compared to MPLS, internet-based broadband connectivity is often a factor of 10x less expensive per bit. Beyond cost savings due to low-cost bandwidth, broadband services also offer the promise of directly connecting branch office workers to internet-hosted SaaS applications and websites, which represent an increasing percentage of total WAN bandwidth for most distributed enterprises.

However, this direct connection of branch locations to the internet poses significant new security risks, which are particularly challenging to manage in remote offices with limited on-site IT resources. The Zscaler and Silver Peak joint solution mitigates exposure to these risks. The solution enables customers to route all their internet-bound traffic directly to the Zscaler Cloud Security service.

HIGHLIGHTS

- **Maximize the efficient use of on-premises connections:** Direct internet handoff for all web services, eliminating inefficient backhaul to the corporate data center firewall.
- **Minimize the on-premise hardware resources required for a secure, flexible SD-WAN:** Silver Peak Unity EdgeConnect can be delivered as a virtual machine, and the Zscaler Cloud Security service is entirely cloud-based, resulting in no incremental on-premises hardware resources.
- **Provide comprehensive security for application traffic:** Zscaler offers comprehensive security, data protection, visibility, and control for internet and cloud applications.
- **Easy-to-secure internet breakouts:** Deployment of new branch locations is as simple as adding an EdgeConnect virtual (or physical) appliance and provisioning two tunnel connections – primary and backup—to the Zscaler cloud. These tunnels can be either GRE or IPsec to support bandwidth or dynamic IP usage flexibility.
- **Shift WAN network expenses from CAPEX to OPEX:** With no incremental on-site hardware (EdgeConnect virtual appliance, Zscaler cloud service) and subscription-based licensing, the Zscaler and Silver Peak joint solution requires no up-front capital expense.

Zscaler provides the world's leading cloud-based security platform, delivering superior security without the need for on-premises hardware, appliances, or software. Zscaler puts a perimeter around the internet, so that enterprises don't need to put a security perimeter around every office. The Zscaler Cloud Security Platform acts as a series of security check posts in more than 100 data centers around the world. By simply redirecting internet traffic to Zscaler, enterprises can instantly secure stores, branches, and remote locations. Zscaler sits between users and the internet, inspecting every byte of traffic—even if it's encrypted or compressed—so that users are secure and all hidden threats can be caught before they can infiltrate the enterprise network.



Branch locations connect to internet apps via GRE or IPsec tunnels to Zscaler

SILVER PEAK EDGECONNECT AND ZSCALER CLOUD SECURITY

Silver Peak EdgeConnect integrates directly with the Zscaler security cloud to provide customers with a secure, high-performance SD-WAN solution using standard broadband internet transport. Using the Silver Peak Business Intent Overlay policy framework, network administrators are able to define which traffic requires the security provided by the Zscaler service. Most often, the default policy will be to forward all internet traffic to/from branch offices through Zscaler. Traffic is exchanged between the customer's EdgeConnect nodes (such as its branch locations) and the Zscaler security cloud using standards-based GRE or IPsec tunnels. This solution is transparent to end-user applications, and it is fully compatible with all of the management and reporting capabilities found in Zscaler and Silver Peak products.

About Silver Peak

Silver Peak is the global leader in broadband and hybrid WAN solutions. Silver Peak offers a high-performance SD-WAN solution that provides secure and reliable virtual overlays to connect users to applications with the flexibility to use any combination of underlying transport without compromising application performance. This results in greater business agility and lower costs. More than 3,000 globally distributed enterprises have deployed Silver Peak broadband and hybrid WAN solutions across 80 countries. Learn more at silver-peak.com.

About Zscaler

Zscaler enables the world's leading organizations to securely transform their networks and applications for a mobile and cloud-first world. Its flagship services, Zscaler Internet Access™ and Zscaler Private Access™, create fast, secure connections between users and applications, regardless of device, location, or network. Zscaler services are 100% cloud delivered and offer the simplicity, enhanced security, and improved user experience that traditional appliances or hybrid solutions are unable to match. Used in more than 185 countries, Zscaler operates a multi-tenant, distributed cloud security platform that protects thousands of customers from cyberattacks and data loss. Learn more at zscaler.com or follow us on Twitter [@zscaler](https://twitter.com/zscaler).

