

Talari and Zscaler

SD-WAN Accessed Cloud Security for the Branch

Over the past few years, industry trends associated with the use of cloud-based applications, the deployment of SD-WAN as the next-generation edge solution for enterprise and service providers, and the transition of security services to a cloud delivery model have all gained momentum. Talari and Zscaler have joined forces to validate the integration of a Talari SD-WAN solution coupled with Zscaler's Cloud Security Platform and in the process deliver an easy to deploy and manage solution that allows IT to easily and cost-effectively support all of these trends in their organization.

Traditional Branch Access to Internet Resources

Most organizations leverage a well-established hub and spoke WAN design with a centralized Internet access model (Figure #1). In this design, MPLS is the WAN transport and all Internet destined traffic is forwarded to a regional site or data center location over the corporate WAN. In the data center, additional services, such as firewall, are applied before traffic is forwarded to and from the Internet. While this model offers a centrally managed solution for security, Internet traffic forwarding is inefficient since traffic is forwarded over both the WAN and Internet connections. This "double hop" incurs additional expense and adds delay, which impacts end-user satisfaction when accessing common cloud applications like Office365. Also, the WAN infrastructure is administered on a site-by-site basis, which is difficult to manage and costly to upgrade.

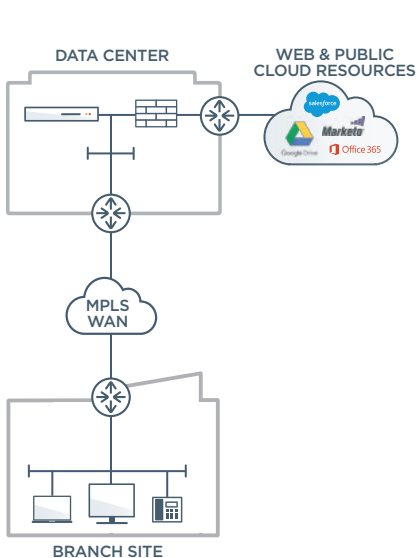


Figure 1: Traditional Branch Access to Internet Resources

Together, Talari and Zscaler enable customers to:

- Easily deploy and manage next generation WAN and security services
- Transform hub-and-spoke network architectures into more secure, direct-to-cloud connections
- Secure Internet breakouts without the cost and complexity of deploying additional security appliances on customer premises
- Ensure superior edge application performance over a secure infrastructure

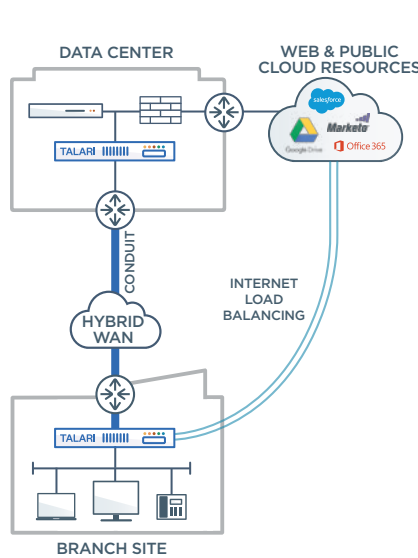


Figure 2: Branch with SD-WAN and Local Internet Access

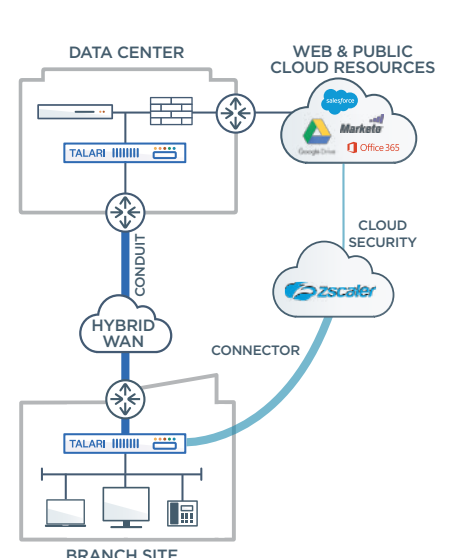


Figure 3: Branch with SD-WAN and Integrated Cloud Security Platform

Solution Step #1: Deploy a Talari Failsafe SD-WAN Edge

Deploying a Talari SD-WAN will address many of the cloud application requirements that organizations are facing. The solution enables a hybrid WAN comprised of cost-effective broadband Internet links combined with MPLS to address branch capacity requirements, while utilizing a controller-based architecture to offer a single point of management for all nodes that comprise the SD-WAN. With an SD-WAN in place, it is easy to establish local Internet breakouts (Figure #2) to access cloud-based applications and services that can address the cost and QoE challenges that the traditional WAN and service design incurs. While the SD-WAN makes it easy to access the Internet directly from the branch, securing the branch Internet traffic remains a challenge.

Solution Step #2: Extend the SD-WAN to Integrate Zscaler

By adding Zscaler into the SD-WAN and cloud design, organizations can secure outbound Internet traffic without backhauling traffic or implementing security appliances at each location. Also, Zscaler enables organizations to define and enforce access and security policies across all locations from a single console. To facilitate the forwarding of traffic from the branch to Zscaler, Talari has integrated a Zscaler connector into its SD-WAN solution (Figure #3). This connector allows the SD-WAN nodes at each branch site to easily add Zscaler services and perform the appropriate Internet traffic forwarding. Once the connector is deployed, Zscaler will immediately begin inspecting all ports and protocols, including SSL.

Solution Benefits

Seamless secure cloud access – enables the Talari SD-WAN edge nodes to transparently forward all Internet traffic to the Zscaler™ cloud over IPsec tunnels, providing a faster user experience, reducing bandwidth costs, and simplifying operations.

Faster access to apps – traditional network architectures are static and brittle; Talari with Zscaler delivers a secure, fast user experience, reduced MPLS costs, and fewer appliances to manage, maintain and keep updated.

Scale to meet demand – Talari and Zscaler deliver best-of-breed solutions that allow the WAN and security services to easily scale to meet the QoE expectation of users.

Why Talari Networks SD-WAN?

Talari is an innovator in next-generation SD-WAN technology, helping multi-site organizations transform their remote and branch-office networks by intelligently allocating more bandwidth at less cost, while delivering superior QoS for greater business continuity, operational agility and application control. Talari provides a truly failsafe Software-Defined WAN (SD-WAN) solution offering dynamic capacity, improved reliability and greater quality of experience. Our patented hardware and virtual solutions provide the most resilient and responsive network, delivering stable, complex traffic across the widest area networks and hybrid-cloud IT infrastructures, regardless of the underlying transport technology or application architecture.

Why Zscaler Security Cloud?

Zscaler was architected from the ground up as a multi-tenant, distributed cloud security platform. Zscaler has effectively moved security into the Internet backbone, operating in more than 150 data centers around the world and enabling organizations to unlock the promise of cloud and mobile computing by providing users with the shortest and safest path to the internet. Zscaler delivers carrier-grade internet security, advanced persistent threat (APT) protection, data loss prevention, SSL decryption, traffic shaping, policy management and threat intelligence.

To Learn More

Visit the Talari Alliances website to learn more about the Talari and Zscaler alliance and joint solution:

<http://www.talari.com/partners/alliance-partners>

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About Talari

Talari Networks, innovator of the most reliable SD-WAN technology, engineers the branch office and edge network for maximum business impact, delivering superior application performance and network resiliency, while unlocking the benefits of seamless cloud connectivity services. Incorporating years of innovation into seven generations of product, Talari is deployed across thousands of sites in over 40 countries.