



Zero Trust SD-WAN At a Glance

Solution benefits:

❖ Reduced complexity

Eliminate the complex mesh of site-to-site VPNs and overlay routing.

❖ Improved user experience

Eliminate unnecessary traffic tromboning and improve performance for SaaS and cloud apps without compromising on security. Enforce security and bandwidth policies at over 150 Zscaler data centers globally.

❖ Improved security

Minimize the attack surface and the risk of lateral threat movement inherent in traditional SD-WAN. Simplify user-to-app and app-to-app segmentation using the cloud-native Zero Trust Exchange platform.

Zero Trust SD-WAN securely connects your branches, factories and data centers without the complexity of VPNs, ensuring zero trust access between users, IoT/OT devices and applications based on organizational policies. Combining the power of Zscaler's industry leading Zero Trust Exchange platform, with seamless connectivity for locations, clouds and users, organizations can embrace a secure access service edge (SASE) framework and enable a cafe-like branch experience.

Why settle for Traditional SD-WAN?

Traditional SD-WANs expand the attack surface and allow lateral threat movement that makes networks vulnerable to threats. Moreover, traditional SD-WANs connect multiple sites using site-to-site VPNs which introduces networking complexity as organizations still have to manage route tables. These routed overlays have implicit trust, giving entities connecting to the network unrestricted access to critical resources. Today, many threats originate from the branches due to a compromised user, IoT/OT device, or server.

Zero Trust SD-WAN

- Zero Trust SD-WAN provides branches and factories with fast and reliable access to the internet, SaaS and private applications with a direct-to-cloud architecture that provides high security and operational simplicity
- It eliminates lateral threat movement by connecting users and IoT/OT devices to applications through the Zero Trust Exchange.
- It dramatically simplifies branch communications by eliminating complex routing, VPNs, firewalls, while allowing for flexible forwarding and simple policy management by using the proven ZIA and ZPA framework

Solution Use Cases

Replace site-to-site VPNs

Replace mesh of site-to-site VPNs connecting branches, factories, and data centers with simple plug and play connectivity that delivers operational simplicity with better security.

Secure access to IoT/OT resources

IoT/OT assets need to be regularly accessed by employees and third-party vendors to maximize production uptime and avoid disruptions from equipment and process failures. Zero Trust SD-WAN simplifies access to IoT/OT resources without the need for VPNs or exposed ports, providing fully isolated, clientless remote desktop access to internal RDP and SSH target systems for vendors/contractors.

Accelerate M&A integration

Be operational on day one by avoiding the need to merge routing domains or translate overlapping IP addresses. Connect new users to critical resources like Active Directory by simply adding plug & play appliances to new sites.

IoT device discovery and classification

IT teams face blindspots as unsanctioned, unknown IoT devices connect to branch office networks resulting in a greater risk of malware infestations across the organization. Zscaler identifies and classifies devices to give IT teams deeper visibility into behavior for better access control policies.

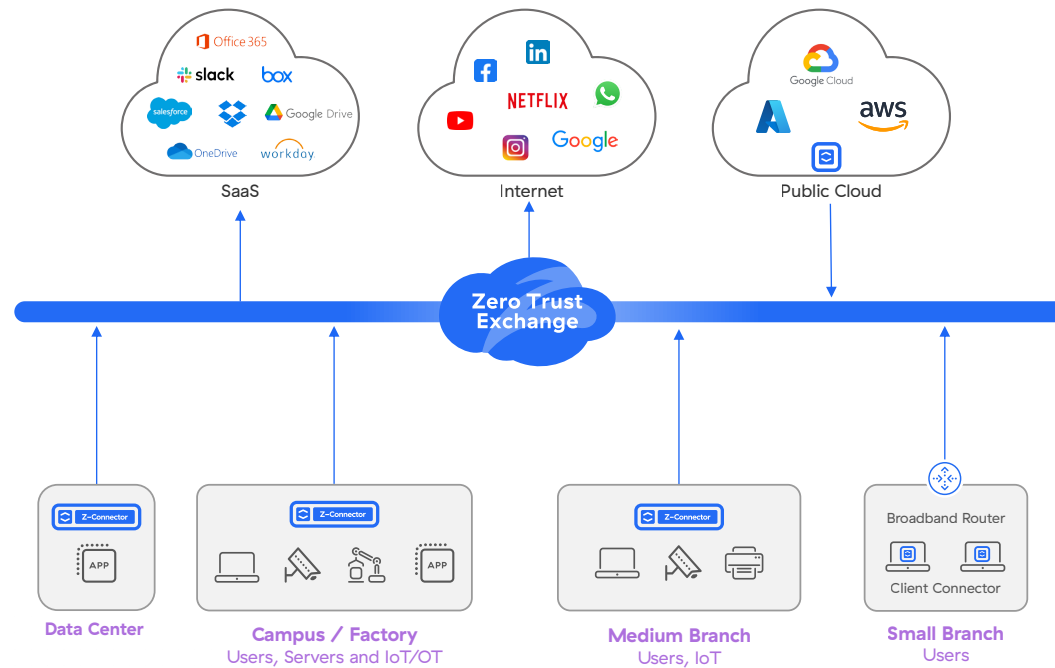






Figure 1: Zero Trust SD-WAN

Zero Trust SD-WAN is a plug & play appliance available in virtual or physical form factors.

Zero Trust SD-WAN Hardware and Software Models

FEATURE	ZT 400	ZT 600	ZT 800	ZT VM
				
Type	Small-Medium branches	Small-Medium branch	Medium-Large branch	Branch and Data Center
Throughput/hypervisor	200 Mbps	500 Mbps	1 Gbps	KVM, ESXi
Physical ports	4	6	8	N/A
Zero touch provisioning	✓	✓	✓	✓
Granular forwarding policy for internet, private applications, and direct WAN traffic	✓	✓	✓	✓
Leverage URL filtering, file type control & cloud firewall policies for internet bound traffic	✓	✓	✓	✓
Zero Trust ZPA policies for IoT devices, servers	✓	✓	✓	✓
Centralized visibility and logging	✓	✓	✓	✓

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Zscaler (NASDAQ: ZS) accelerates digital transformation so that customers can be more agile, efficient, resilient, and secure. The Zscaler Zero Trust Exchange protects thousands of customers from cyberattacks and data loss by securely connecting users, devices, and applications in any location. Distributed across more than 150 data centers globally, the SASE-based Zero Trust Exchange is the world's largest inline cloud security platform. Learn more at zscaler.com or follow us on Twitter @zscaler.

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