PARTNER SOLUTION OVERVIEW

Aruba & Zscaler

Scaling the Branch: Aruba and Zscaler Extend Branch Security

OVERVIEW

Security of the distributed enterprise is a challenging yet important task. As more organizations are moving to the cloud, many are choosing to implement a secure Software Defined Branch (SD-Branch) infrastructure to get the best of both security and cloud.

The benefits of Software Defined Branch include unified wired, wireless, and WAN policies, end-to-end segmentation, lower latency, more cost-effective network access, and more efficient bandwidth utilization. Aruba Branch gateways include inspection and enforcement from internal threats using deep packet inspection, IDS and IPS capabilities, and an application-aware firewall.

Additionally, customers need real-time threat detection and prevention from external threats. Some have tried to address this by backhauling network traffic back to regional data centers or HQ – which is expensive, can introduce latency and can result in a poor user experience. Worse yet, another approach is to deploy hardware-based security appliances at each remote location, with the additional costs, maintenance, and hardware footprint that go along with it. Aruba and Zscaler have partnered to address these challenges.

BETTER TOGETHER

The Aruba SD-Branch solution can integrate with best-of-breed third-party cloud security solutions. Zscaler Internet Access is a cloud-based security platform that provides a secure web gateway which can inspect every packet of network traffic coming from the branch for advanced threats – all done without additional hardware appliances. The Zscaler solution includes full inline content / SSL inspection, cloud-based sandboxing, and DNS security. It’s updated every day with over 100,000 threat updates ensuring that your branch is monitored from threats using the latest techniques. These capabilities are delivered to Aruba SD-Branch customers from the Zscaler global multi-tenant cloud security platform.

WHY ARUBA & ZSCALER?

• Cloud-based threat detection at the branch without additional hardware
• Context-aware security policies implemented by Aruba ClearPass Policy Manager
• Intelligent, policy-based traffic routing utilizing user roles and applications
• Automated orchestration of secure tunnels between SD-Branch and Zscaler Internet Access
• Aruba validated interoperability

With the integration of Aruba SD-Branch and Zscaler Internet Access, the joint Aruba and Zscaler architecture offers enterprise-grade advanced threat protection for branch networks in a cost-effective and scalable way. Also, the Aruba SD-Branch solution integrates with the award-winning ClearPass Policy Manager network access control solution, providing a role-based end-to-end micro-segmentation that enables zero trust networking from the edge to the cloud.

HOW IT WORKS

Aruba SD-Branch gateways can be configured to set up a secure connection between the branches and Zscaler Internet Access nodes. The Aruba Cloud Connect service uses the SD-Branch Orchestrator as the transport medium to send configuration data to onsite branch gateways. This enables the automatic creation of IPsec tunnels to the Zscaler Internet Access nodes. The Aruba SD-Branch gateway can then selectively redirect network traffic to these nodes based on corporate policy, providing advanced threat detection that scales to hundreds or even thousands of branches efficiently, and without administrator intervention.
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This integration has been validated under the Aruba 360 Security Exchange technology partner program and is easy and quick to deploy. All tunnels, security policies and routing can be accessed and configured via Aruba Central, the centralized cloud-based platform for managing your SD-Branch infrastructure.

In fact, Aruba’s Unified Infrastructure powered by Aruba Central simplifies and improves IT operations with a cloud-native single pane of glass for WLAN, LAN, and SD-WAN across campus, branch, remote worker, and data center locations.

SUMMARY
Aruba and Zscaler have taken the guess work out of protecting branch network operations, and have partnered to provide an integrated and secure SD-WAN branch office solution that is automated, scalable, and cost-effective.

Contact your local sales representative to see how Aruba and Zscaler deliver a comprehensive branch office infrastructure and security solution.

For more information on the Aruba SD-Branch solution, please visit: https://www.arubanetworks.com/solutions/sd-branch

Zscaler enables organizations to securely transform their networks and applications for a mobile and cloud-first world. Zscaler cloud-delivered services securely connect users to their applications and cloud services, regardless of device, location, or network, while providing comprehensive threat prevention and a fast user experience. All without costly, complex security appliances.

Learn more at zscaler.com or follow us on Twitter @zscaler.