

See Your Entire Multi-Cloud Hybrid Network

How It Is All Connected and Protected



In today's globally distributed, mobile and increasingly remote work environment, companies are quickly adopting cloud services and SaaS delivery models. SD-WAN and Secure Access Service Edge (SASE) technologies are improving branch office and remote workers' internet performance, reducing latency, and cutting costs. Security teams must manage risk and ensure compliance across increasingly complex hybrid networks.

While companies may have security tools for each environment, most cannot see how their whole network is woven together and if all access to the internet is being protected. RedSeal's cloud security solution and Zscaler Internet Access (ZIA) protect that access and enable companies to visualize their complex hybrid multi-cloud networks in one, unified model.

The RedSeal-Zscaler partnership enables companies to:

- Understand all access paths in and between public and private cloud and physical assets.
- Prioritize vulnerabilities and incidents based on actual risk to the network: understand access to high value assets.
- Accurately locate resources and vulnerabilities unintentionally exposed to the internet across all network environments.
- Interpret access controls across cloud native and 3rd party virtual firewalls.
- Validate network segmentation policies automatically. Continuously verifying compliance with policies and regulations.

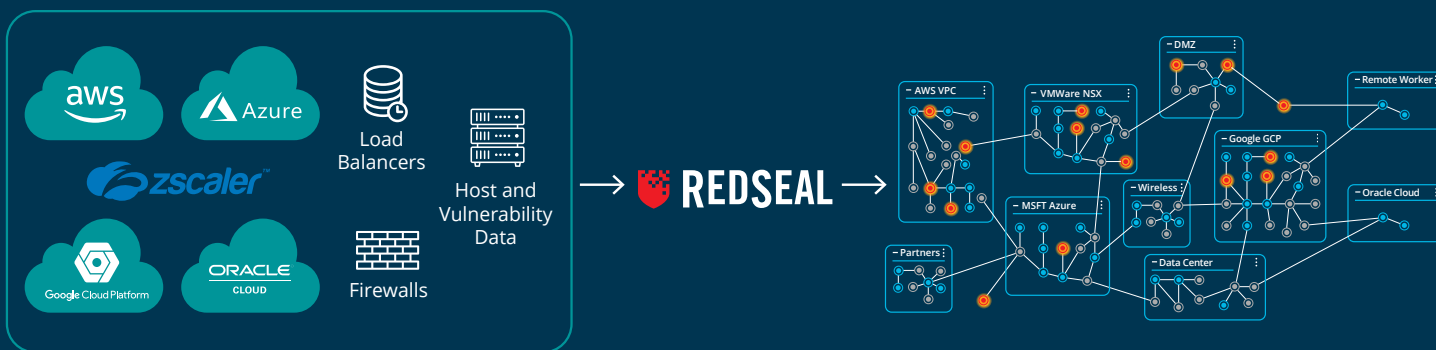


Figure 1: A Model of Your “As-Built” Network, created by RedSeal

RedSeal and Zscaler Internet Access (ZIA): How the Integration Works

RedSeal cloud security uses Zscaler API’s to create an as-built, unified model of your network, including your virtual, cloud and on-premises networks (Figure 1).

Using this model, network and security administrators have a complete picture of connectivity, including previously hidden areas of your network. RedSeal’s understanding of your network helps you verify compliance with internal policies and external regulations as well as accurately prioritize your risks and vulnerabilities.

Knowledge of your network and its detailed access paths (Figure 2) will also accelerate your incident response. From a suspicious IP address, RedSeal can identify all reachable targets—even several hops away—and prioritize which ones should be protected first.

RedSeal’s integration with ZIA ensures uniform visibility, consistent defense and ongoing management of your entire firewall and network device infrastructure. Together, Zscaler and RedSeal allow you to visualize your network topology, validate end-to-end access routes, import vulnerability scan data to prioritize remediation efforts, and continuously monitor and track changes to ensure ongoing compliance.

INTEGRATION BENEFITS

With the information ZIA makes available, RedSeal analyzes network connections to ensure the desired security policy enforcement is in place and is supporting proper network segmentation. Joint customers can:

Visualize their network: Automatically collect and build ZIA data into a visual and interactive model that analyzes and shows access paths end-to-end and along with a network map visualization.

Analyze access: Confirm that Zscaler as well as other security controls (routers, firewalls, and load balancers) enforce the desired enterprise-wide access, security, and compliance policies (Figure 2).

Validate policies: Continuously validate policies against regulatory requirements or custom-defined policies (Figure 3). RedSeal can alert when access policies are violating corporate policies or mandates and present these violations in clear context—red is bad (policy violation), green is good (access comply with policy) and yellow requires further investigation.

Comply with industry best practices: Monitor and ensure network devices continuously maintain compliance with industry best practices, helping harden networks against attacks. Identify devices that are out of compliance.

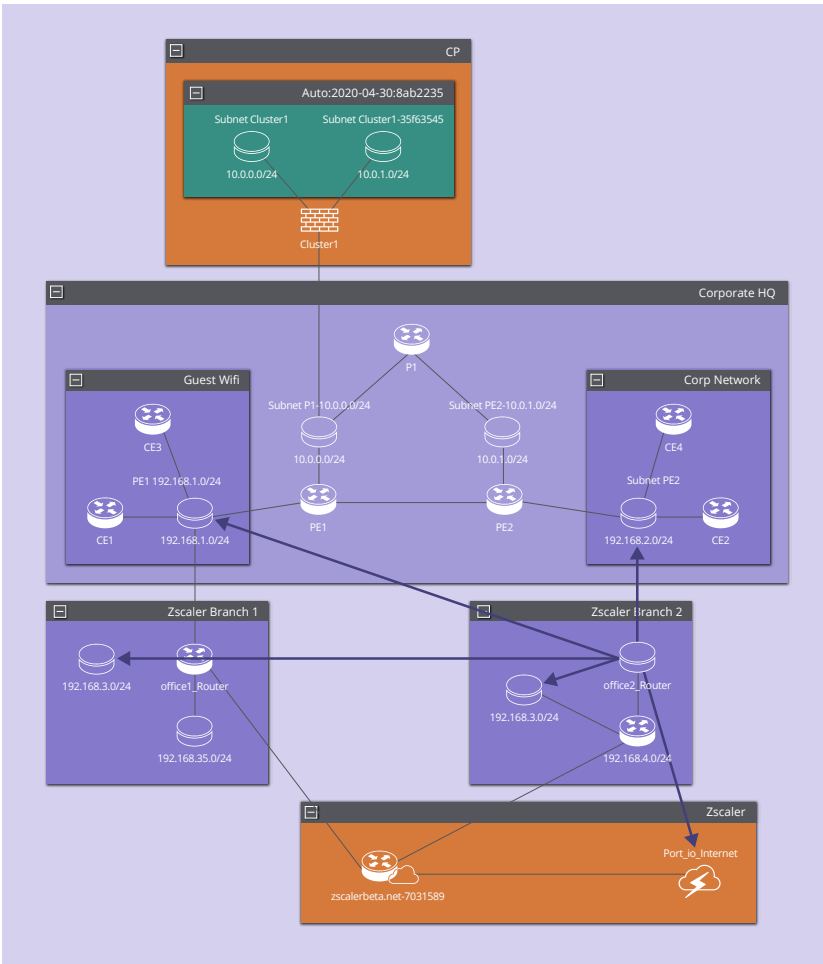


Figure 2: Analyzing Access

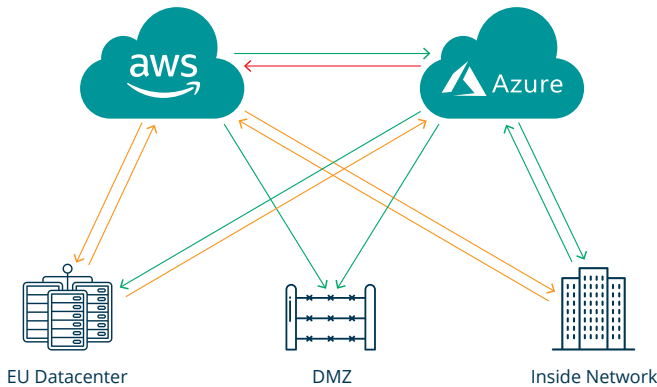


Figure 3: Validating Segmentation Policy

ABOUT ZSCALER

Zscaler (NASDAQ: ZS) accelerates digital transformation so customers can be more agile, efficient, resilient, and secure. The Zscaler Zero Trust Exchange™ platform 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 SSE-based Zero Trust Exchange™ is the world’s largest in-line cloud security platform.

ABOUT REDSEAL (redseal.net)

RedSeal, the pioneer in attack path management, discovers critical cybersecurity risks and control gaps across enterprise hybrid networks, helping security teams accelerate risk remediation and establish, monitor and maintain compliance with less effort and error. The RedSeal platform maps all network environments, including public and private clouds, as well as on-premises networks into one comprehensive, real-time visualization allowing teams to reduce or eliminate the potential for data breaches, compliance gaps and financial losses due to unauthorized or malicious cyber activity. RedSeal’s customers include 100’s of Fortune 1000 companies and over 75 US federal agencies, including all 5 branches of the U.S. military. RedSeal effectively integrates with the most diverse customer cybersecurity ecosystems. To learn more about RedSeal, please visit www.redseal.net.

