

SOLUTION BRIEF

RedSeal Cloud Solution

Ensuring Your Critical Cloud Resources
Aren't Exposed to the Internet

A digital transformation is accelerating migration to the cloud, especially as so many people work remotely. Security teams are scrambling to manage security for resources in one, two or more public clouds as well as for resources remaining on premises. Most security tools only work in one of these environments, leaving security teams with common, urgent concerns:

- What resources do we have across all our public cloud and on-premises environments?
- Are any of these resources unintentionally exposed to the internet?
- What access is possible within and between cloud and on premises environments?
- Do our cloud deployments meet security best practices?
- How do we validate our cloud network segmentation policies?
- Are we remediating the riskiest vulnerabilities in the cloud first?



Google Cloud



RedSeal's Cloud Security Solution

RedSeal's cloud security solution accurately identifies resources exposed to the internet. It brings all your network environments—public clouds (AWS, Microsoft Azure, Google Cloud Platform and Oracle Cloud), private clouds, and on premises—into one comprehensive, dynamic visualization so that you can:

- Interpret access controls across cloud-native and third-party virtual firewalls (service chaining).
- Continuously validate and ensure compliance with your network segmentation policies and regulations.

RedSeal has helped customers identify issues in their cloud environments for immediate remediation, including:

- **Cloud resource inventory.** A healthcare customer expected “a few VPCs” in their cloud environment. RedSeal found more than a hundred. RedSeal helped the customer re-architect their cloud network to align with their cloud service provider's best practices and reduce their risk exposure.
- **Exposed cloud resources.** RedSeal was able to identify cloud resources at a financial institution that were not protected by a firewall as the customer expected, but were fully exposed to the internet.
- **Shadow IT.** RedSeal discovered that a technology company's business unit was using cloud resources that didn't comply with security mandates.
- **VPC/VNET without subnets or subnets without instances.** RedSeal showed a manufacturing customer that it had hundreds of empty VPC/VNET subnets and subnets without instances in their cloud environment. These still had their default configurations, which malicious actors could have exploited.
- **Validating PCI-DSS compliance.** After an extensive cloud migration, RedSeal helped a health care provider validate that their cardholder data was segregated, protected and ready for audit.

RedSeal Fully Managed Services

RedSeal can also work with you on an ongoing basis with tiered fully managed services at three levels:

Cyber Visibility

Includes network and endpoint inventory assessment and secure configuration assessments.

Cyber Compliance

Adds network segmentation and compliance monitoring (PCI-DSS, NERC-CIP and internal policies) as well as security change reviews.

Cyber Risk Management

Adds incident investigation; security posture monitoring; vulnerability risk prioritization and cyber risk assessment.

RedSeal Professional Services

RedSeal's Professional Services Team is available to help your organization with an initial cloud visibility assessment or offer fully managed services to continuously monitor your cloud deployment.

The remote RedSeal Cloud—Cyber Visibility Assessment is recommended for organizations that need a snapshot of the interconnectivity in a cloud environment and/or to assess the accuracy of their cloud inventory. You'll get a baseline understanding of what you need to do to drive your cyber visibility, compliance, and risk vulnerability efforts forward.

For more information on how RedSeal can help with your cloud security or to see a demo, email info@redseal.net.

ABOUT REDSEAL (redseal.net)

RedSeal — through its cloud security solution and professional services — helps government agencies and Global 2000 companies measurably reduce their cyber risk and show where their resources are exposed to the internet.

Only RedSeal's award-winning cloud security solution can bring all network environments— public clouds (AWS, Microsoft Azure, Google Cloud Platform and Oracle Cloud), private clouds, and on premises — into one comprehensive, dynamic visualization. RedSeal verifies that networks align with security best practices; validates network segmentation policies; and continuously monitors compliance with policies and regulations. It also prioritizes mitigation based on each vulnerability's associated risk. The company is based in San Jose, California.

