

REDSEAL AND AMAZON WEB SERVICES



SOLUTION OVERVIEW

Amazon Web Services (AWS) allows you to provision a (logically isolated) virtual network called a Virtual Private Cloud (VPC). AWS represents a new paradigm in network design, replacing network hardware with purely logical management tasks. Part of the tradeoff for this simplicity is obfuscation. As more subnets are added to your VPC it becomes harder to visualize your architecture and the access it provides. As the VPC grows and connects other VPCs, virtual networks and legacy physical networks it gets even more difficult to understand what is exposed to the internet, where attackers can go, and what access a given host has.

UNIFY PHYSICAL AND CLOUD SECURITY

With RedSeal your physical, virtual and AWS Virtual Private Cloud (VPC) become a unified security architecture - capable of being modeled, tested and measured. Once integrated with your Amazon VPC, RedSeal gives you the means to assess the security controls of your cloud based assets as well as your connected corporate datacenter. You'll be able to analyze both east-west and north-south traffic as well as micro-segmentation. RedSeal can also drill-into the AWS VPC ruleset providing the user with the specific rules that apply to an individual host. This feature makes it easy for security teams to ensure that only authorized access is allowed.

MODEL, TEST AND MEASURE CLOUD AND HYBRID ARCHITECTURE

RedSeal also integrates with Amazon AWS Config allowing you to track and store the history of Amazon VPC configurations and configuration changes in Amazon Simple Storage Service (Amazon S3). With AWS Config, RedSeal customers get the information they need to strengthen the defenses of their AWS networks. Customers can:

Unify security architecture across hybrid data center

RedSeal models your AWS VPC fabric along with your on premise and virtualized assets. This provides a single comprehensive model to view and query your entire hybrid network.

Validate policy compliance instantly

The integration between AWS Config and RedSeal enables customers to define access policies and validate any Amazon VPC changes against them to ensure secure access.

Verify compliance with industry configuration guidelines

AWS Config and RedSeal can determine if network devices comply with configuration guidelines like STIGs and RedSeal's best practice checks.

Validate VPC Configuration

The combination of AWS Config and RedSeal enables you to verify and validate all aspects of the VPC deployment and configuration changes over time.

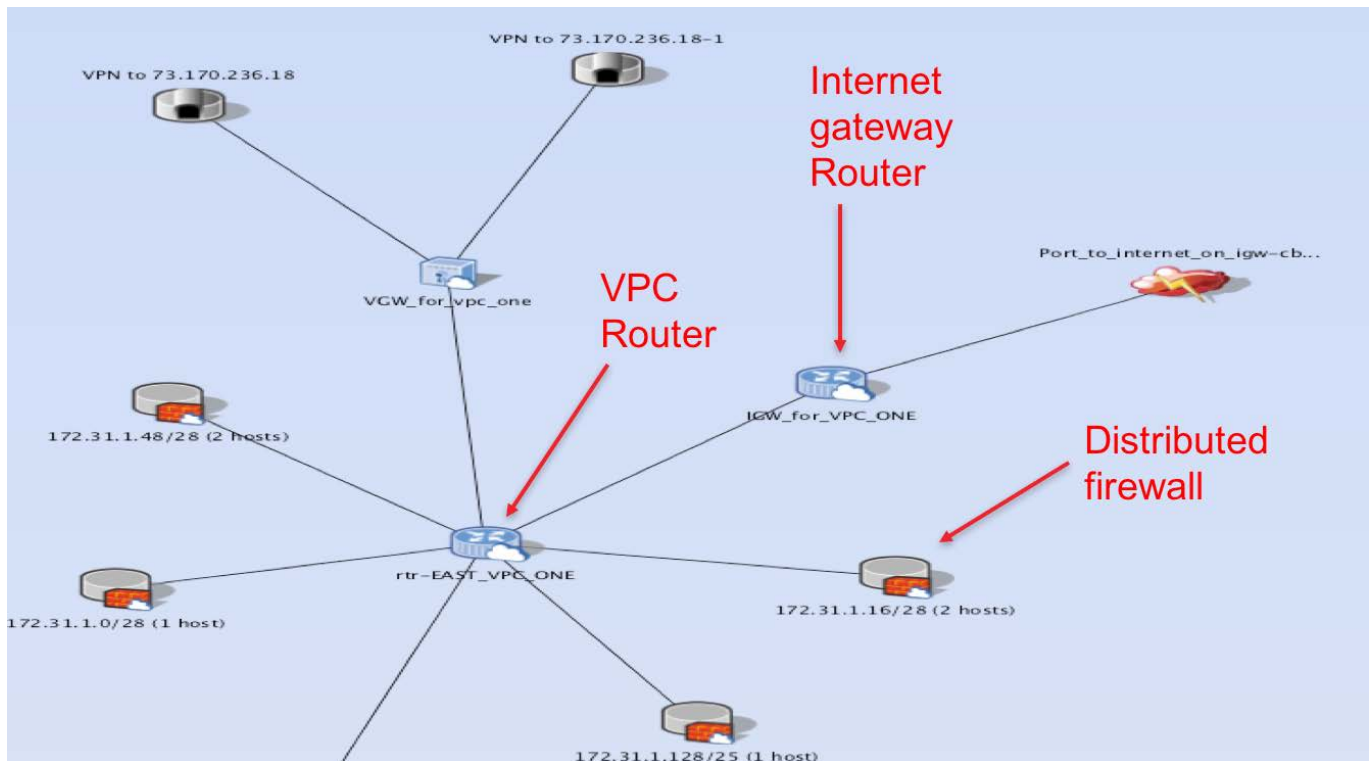
BENEFITS

- Validate policy compliance
- Verify compliance with industry configuration guidelines
- Visualize your architecture and the access it provides
- Analyze east-west and north-south traffic
- See the effective firewall rulesets that apply to an individual AWS instance (host)

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WHAT'S NEW IN REDSEAL 8.4?

- View all Security Groups within the VPC
- See specific firewall rules that apply to an AWS instance (host)
- View all AWS Instances (hosts) associated with a particular Security Group
- Query AWS Subnets and view micro-segmentation



AWS Topology Map in 8.4