

# Military Grade Cyber Analytics

Understanding your cyber risk is dauntingly complex, but the key to success is to master the cyber fundamentals.

Across the Department of Defense, cybersecurity teams are stretched thin as they face constant threats and significant breaches due to an increasing attack surface, motivated adversaries and limited human and organizational resources.

Know what's on your network, how it's all connected and the associated risk.

RedSeal's military grade cyber terrain analytics platform has deep situational awareness of your entire hybrid data center of public cloud, private cloud and physical network. Not just identified points, but the connectivity between them. RedSeal takes an organization's awareness of its network infrastructure and translates that into actionable priorities.

RedSeal's platform is designed to enable cyber operators to act with speed and efficiency. With RedSeal, they can visualize end-to-end access, intended and unintended, between any two points of the network to accelerate incident response. This visualization includes detailed access and attack paths for individual devices in the context of exploitable vulnerabilities to speed cyber operators' decision making during a mission.

RedSeal builds a complete model of a network using network device configuration files retrieved either dynamically or completely offline. This

## DOD Accreditations

- NIAP EAL 2
- Navy- DADMS
- ATO: Navy, USMC, DISA, DIA and more
- DODIN APL

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*"We are overwhelmed with data and underwhelmed by information. RedSeal allows us to prioritize with actionable intelligence and stop playing whack-a-mole."*

**– DoD Customer**

Layer 2/3 configuration data includes devices such as routers, firewalls, switches, VPN concentrators, and load balancers – whether physical, in the cloud or in software-defined networks. RedSeal builds a comprehensive network map showing every possible way in, out, and through the network, detailing all possible attack vectors, including all available endpoint information. RedSeal checks all devices to see if they comply with industry best practices and standards such as DISA STIGs and NIST guidelines. This proactive automation greatly reduces audit prep time (CCRI, others) and assists with speedy remediation.

RedSeal connects to vulnerability managers to import assessment data in standard CVE format from scanned hosts (i.e. ACAS). This data allows RedSeal to include all scanned hosts and other IP data across the network, plus all vulnerabilities that put them at risk. RedSeal then takes network access into account to prioritize vulnerabilities for mitigation, showing if a target is even open to compromise. This entire data summary and detail can be viewed in the platform, in report formats, or through an API to integrate with familiar dashboards.

This comprehensive, continuous inspection allows RedSeal to report a risk-based audit of a network and then continuously monitor its security posture. Operators and leadership can track how defensive operations are trending over time via RedSeal's Digital Resilience Score, which also measures vulnerability management, secure configuration management, and understanding of the network.

The RedSeal platform has been widely adopted by commercial, civilian, intelligence, and DoD enterprises.

All DOD cyber operations require real-time understanding and a model of their cyber terrain to discover, detect, analyze and mitigate threats and deliver resilience to the mission.

## Key RedSeal Capabilities

- End-to-end network mapping and modeling
- Attack vector analysis
- Enclave/segmentation policy analysis
- Virtual penetration testing of entire network
- Advanced threat scenario modeling and simulation
- Incident response acceleration
- Vulnerability prioritization with network context
- Layer 2, 3, 4 and 7 modeling
- Works with existing security products
- Unified network model, including physical, SDN, hybrid and cloud networks
- Risk-based security audit and assessment
- Consolidates and models all available endpoint information

## Battle Tested

RedSeal Department of Defense Clients



To schedule a demo, or for more information, go to <https://www.redseal.net/government/dod/>

### ABOUT REDSEAL ([redseal.net](https://www.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.

