

Technology Integration Guide

Introduction

RedSeal Network is an award-winning network exposure analytics platform that uses network context to deliver unparalleled network visibility, reduce complexity, prioritize risk, and maintain compliance. RedSeal Network is agentless and ingests configuration data through its patented Netmap & ThreatMap Analysis Engine to automatically identify all assets, find gaps into previously hidden parts of your network, and analyze attack paths to calculate risk. Currently, RedSeal Network can easily integrate with more than 125 third-party technologies to deliver the industry's most accurate and comprehensive "digital twin" of your network.

As indicated[†] below, a subset of the currently supported integrations is included with your standard RedSeal Network license. The remainder can be purchased through RedSeal. For additional integrations, RedSeal offers a custom plugin development program to extend coverage for new or custom device types that are not currently supported. Contact your RedSeal account manager for details.

RedSeal continues to license its standard software based on the number of layer 3 (L3) devices, layer 2 (L2) devices, CIS/STIG checks, and Cloud/SDN technologies.

Cloud & Software-Defined Networking (SDN)

Amazon AWS[†]

Amazon C2S[†]

Cisco ACI up to version 5.x[†]

Google Cloud Platform[†]

iBoss Cloud Proxy[†]

Microsoft Azure[†]

OpenStack SDN[†]

Oracle Cloud Infrastructure[†]

VMware NSX Manager up to version 6.4.x[†]

Zscaler Cloud[†]

Service Chains

Amazon AWS with AWS NLB

Amazon AWS with F5 BIG-IP load balancer

Amazon AWS with Palo Alto NGFW

Amazon AWS with VMware NSX ALB (AVI LB)

Cisco ACI with Cisco ASA firewalls

Cisco ACI with HAProxy load balancer

Cisco ACI with Palo Alto NGFW

Google Cloud Infrastructure with Palo Alto NGFW

Microsoft Azure with Fortinet NGFW

Microsoft Azure with F5 BIG-IP load balancers

Microsoft Azure with Palo Alto NGFW

[†] Included with your standard RedSeal license

Cybersecurity Applications: Governance/Risk/Compliance***

Manufacturer	Device Name/OS	Versions Supported
RSA	Archer	5.3
Symantec	CCS	Suite 11

Cybersecurity Applications: Security Information and Event Management (SIEM)***

Manufacturer	Device Name/OS	Versions Supported
Micro Focus	ArcSight	CEF
McAfee	ESM (Nitro)	N/A

Cybersecurity Applications: Security Management***

Manufacturer	Device Name/OS	Versions Supported
ForeScout	CounterACT	7.1.1, 8.1.x
McAfee	ePO	v4.5, v5.10

Cybersecurity Applications: Vulnerability Managers

Manufacturer	Device Name/OS	Versions Supported
Alert Logic (Critical Watch)	Fusion VM	4-2015.7.0.22
Beyond Trust	Retina CS	3.7.9, 3.8, 5.16
BeyondTrust (eEye)	Retina Network Security Scanner	3.8 & 5.16
Digital Defense, Inc.	Frontline	5.2.0.13
MaxPatrol	MaxPatrol	8
Open Source	nMap	6.25
Outpost24	Outscan, HIAB	Scanning engine: 3.2.7, XML App: 4.1.133.14
Qualys[†]	QualysGuard/Qualys Report	6.15, 7.6, 8.11
Rapid7[†]	InsightVM/Nexpose	4.12, 5.12, 6.4, 6.5
Symantec	Vulnerability Manager (EOL)	10.0.5 (EOL)
Tenable[†]	Nessus	4.2, 4.4, 5.0, 6.11, 8.9.0
Tenable[†]	tenable.io	
Tenable[†]	tenable.sc	4.6.2.1, 4.8.1, 5.5, 5.10, 5.13.0
Tripwire (nCircle)	IP360	6.8.9(v1), 6.9(v2), 7.3
Tripwire	Tripwire Enterprise	V8.x

[†] Included with your standard RedSeal license.

*** RedSeal has a robust REST API, as well as a standard syslog event feed, that can supply RedSeal intelligence to a wide range of third-party solutions. Please request RedSeal integration and testing from your solution providers.

Zero Trust Segmentation

Illumio Core, On-Prem and SaaS

RedSeal Integration Apps (That Can Ingest Data from RedSeal)

ArcSight ESM 6.x

CrowdStrike Falcon Insight

Forescout CounterACT 8.x

Rapid7 Nexpose Security Console 6.4x or later

IoT/OT Applications

Medigate – SaaS Healthcare Cybersecurity Platform

Network Devices and Infrastructure: IoT/OT Devices

Hirschmann Switch, GRS 1030/1040/1142, HiOS 7 and later

Phoenix Contact, mGuard, 8.6.x

Network Devices and Infrastructure: Configuration Managers**

Manufacturer	Device Name/OS	Versions Supported
BMC Network Automation	BladeLogic	8.2.0, 8.9.0
Cisco†	Prime Infrastructure	3.0, 3.1
Cisco	Security Manager	4.3.0
EMC Ionix	Voyence	4.1
F5†	BIG-IQ	2.1.0, 2.2.0, 2.3.0
Micro Focus Network Automation†	Opsware	9.0, 9.1, 10.10, 10.20
Infoblox	NetMRI	6.4.1, 6.6.3.8, 6.9, 7.1
Juniper	NetScreen Security Manager (NSM)	2010.2
Juniper	Junos Space	15.1R1.11, 15.2R2.4
LogicVein	Net LineDancer (NetLD)	v16
SolarWinds†	Orion NCM	6.0, 7.x
Tripwire	Tripwire Enterprise	8.0, 8.1, 8.2

† Included with your standard RedSeal license

* Indicates Layer 2 support

** Specific device support varies with each configuration management vendor. Please refer to RedSeal's Data Import Plugins Guide available from the RedSeal Support Portal for additional considerations on integration with configuration management systems. RedSeal also supports importing device configurations that have been saved to a file. Refer to documentation from specific device vendors for additional information on using this methodology.



Network Devices and Infrastructure: Firewalls/Encryptor

Manufacturer	Device Name/OS	Versions Supported
Check Point [†]	REST	R80.10 or later
Cisco [†]	ASA	9.8.2 and above
Cisco [†]	Firepower Device Management (FDM)	6.2.3 and above
Cisco [†]	Firepower Management Center (FMC)	6.2.3 and above
Cisco [†]	FWSM	V3.x / 4.x
Cisco*	PIX	7 and 8
Cisco Meraki [†]	Cloud Managed Security Appliances	MX, Z v. 14.x and above
Fortinet ^{**†}	Fortigate FortiOS	5.x, 6.x
Forcepoint	Sidewinder	7, 8.1.2, 8.2.0, 8.2.1, 8.3
Forcepoint	Stonesoft NGFW	5.7 5.8, 5.9, 6.x
Juniper ^{**†}	JunOS	8.5 - 18.x
Juniper ^{**†}	ScreenOS	6.x
NetGate	pfSense	2.4.5
Palo Alto Networks ^{**†}	PAN-OS	6.x, 7.x, 8.x, 9.x, 10.x
SonicWALL	SonicOS	5.9
Taclave	KG-175*	24.x
Viasat	AltaSeC KG-250 / KG-255X	3.0.x
WatchGuard*	Fireware OS	11.10.2 or later

Network Devices and Infrastructure: Load Balancers

Manufacturer	Device Name/OS	Versions Supported
A10*	AX Series / Thunder Series vThunder	ACOS 2.7.1 , ACOS 4.1.x and later, ADC v41.0
Cisco*	ACE	A2 (3.1), A4 (2.1)
Citrix*	NetScaler	9.2 - 13.x
F5	AFM	11.6 - 16.x
F5 ^{**†}	BIG-IP	9.x - 16.x
HAProxy	HAProxy	1.8.15
Radware*	Alteon	26.x, 28.x
Riverbed	SteelApp, Stingray	9.1, 10.3

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Network Devices and Infrastructure: Routers/Switches

Manufacturer	Device Name/OS	Versions Supported
Aruba	ArubaOS-CX	10.02.0040
Alaxala	AX3660S	OS-L3M v.12.1.E
Alcatel-Lucent*	AOS	6.4.6
Alcatel-Lucent*	SR-OS	11.0.R4
Arista*	Arista EOS	4.7. to 4.22.6
Brocade*	IronWare OS	BigIron/FastIron 8.0 ServerIron XL 7.5
Brocade*	Extreme NOS	VDX Switch (NOS) 7.4.0
Cisco**	IOS	11.0 to 15.x
Cisco**	IOS-XR	3.8 to 6.4.x
Cisco**	NX-OS	5.1, 6.x, 7.x, 9.x
Cisco*	SG Series Switches	1.3.5.58
Cisco Meraki**	Cloud Managed Switching	MS v. 11.x and above
Dell Force10*	FTOS / DNOS	8.3.x.x / 10.x
Dell PowerConnect*	DNOS	5.x, 6.x
Enterasys*	Layer 2 (SecureStack)	03.01.33 and later
Enterasys	N and C Series	N: 07.21.03.0003 C: 06.42.12.0007
Ericsson (RedBack)	SmartEdge OS	SEOS-6.1.4.2
Extreme Networks*	ExtremeXOS	15.7 and later
Extreme Networks	VSP	6.1.2.0
Fujitsu*	Fujitsu XG	E11L10, E15L10
Fujitsu	Fujitsu IPCOM EX2	V01L03
Hitachi	Apresia 13200	AEOS 8.34.01
HPE*	Comware (H3C)	5.20, 7.x
HPE*	ProCurve	15.12
Huawei*	Versatile Routing Platform (VRP) 5	5.120
Juniper**	JunOS	8.5 to 18.x
NEC	Univerge IX	9.6.12
Open Source	Linux Router	IP tables, routes, netstat, IP addresses
Yamaha	RTX 810, 1210	11.0.1.28, 14.0.1.16

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* Indicates Layer 2 support

Network Devices and Infrastructure: VPN Gateways and SD-WANs

Manufacturer	Device Name/OS	Versions Supported
Cisco	Cisco SD-WAN	19.x, 20.x
Aruba / HPE	Silver Peak	8.3x Edge Connect, 9.0.1 Orchestrator
Palo Alto Networks	Prisma SD-WAN	ION Edge: v5.4.1-b15, Cloud Controller: v8.1.5
Pulse Secure	Pulse Connect Secure VPN Gateway	9.1R1, 9.1R5
VMware	VMware SD-WAN by VeloCloud	3.3.x, 3.4.x

Network Devices and Infrastructure: Wireless Controllers

Manufacturer	Device Name/OS	Versions Supported
Aruba	Aruba Central	
Aruba**	ArubaOS	6.1.3, 6.4, 7.0, 8.6.0.4
Cisco	Aironet IOS	11.0 - 15
Cisco†	Wireless Controller	7.4
Cisco	9800 Series WLC	IOS XE 16.x and later
Cisco Meraki†	Cloud Managed Wireless	MR v. 26.x and above

About RedSeal

RedSeal delivers actionable insights to close defensive gaps across the entire network, on premises and in the cloud. Hundreds of Fortune 1000 companies and more than 75 government agencies, including five branches of the U.S. military, depend on RedSeal for exceptionally secure environments. Visit www.redseal.net to learn more.

RedSeal, Inc.
c/o Symphony Technology Group
1300 El Camino Real, Suite 300
Menlo Park, CA 94025
Tel: 408-641-2200
Toll-free: 888-845-8169

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