IBM Security QRadar

Radware DSM Configuration Guide

July 2016

Chapter 2. Radware

IBM Security QRadar supports a range of Radware devices.

Radware AppWall

The IBM Security QRadar DSM for Radware AppWall collects logs from a Radware AppWall appliance.

The following table describes the specifications for the Radware AppWall DSM:

Table 258. Radware AppWall DSM specifications

Specification	Value
Manufacturer	Radware
DSM name	Radware AppWall
RPM file name	DSM-RadwareAppWall-*Qradar_version-build_number*.noarch.rpm
Supported versions	V6.5.2
Protocol	Syslog
Event format	Vision Log
Recorded event types	Administration Audit Learning Security System
Automatically discovered?	Yes
Includes identity?	No
Includes custom properties?	No
More information	Radware website (http://www.radware.com)

To integrate Radware AppWall with QRadar, complete the following steps:

1. If automatic updates are not enabled, download and install the most recent version of the Radware AppWall DSM RPM on your QRadar Console:
2. Configure your Radware AppWall device to send logs to QRadar.
3. If QRadar does not automatically detect the log source, add a Radware AppWall log source on the QRadar Console. The following table describes the parameters that require specific values for Radware AppWall event collection:

Table 259. Radware AppWall log source parameters

Parameter	Value
Log Source type	Radware AppWall
Protocol Configuration	Syslog

Note: Your RadWare AppWall device might have event payloads that are longer than the default maximum TCP Syslog payload length of 4096 bytes. This overage can result in the event payload being split into multiple events by QRadar. To avoid this behavior, increase the maximum TCP Syslog payload length. To optimize performance, start by configuring the value to 8192 bytes. The maximum length for RadWare AppWall events is 14019 bytes.

You can verify that QRadar is configured to receive events from your Radware AppWall device when you complete Step 6 of the Configuring Radware AppWall to communicate with QRadar procedure.

Related tasks:

"Adding a DSM" on page 2
If your system is disconnected from the Internet, you might need to install a DSM RPM manually.

"Adding a log source" on page 3
If a log source is not automatically discovered, you can manually add a log source to receive events from your network devices or appliances.

"Configuring Radware AppWall to communicate with QRadar"
Configure your Radware AppWall device to send logs to IBM Security QRadar. You integrate AppWall logs with QRadar by using the Vision Log event format.

"Increasing the maximum TCP Syslog payload length for Radware AppWall" on page 649
Increase the maximum TCP Syslog payload length for your RadWare AppWall appliance in IBM Security QRadar.

Configuring Radware AppWall to communicate with QRadar

Configure your Radware AppWall device to send logs to IBM Security QRadar. You integrate AppWall logs with QRadar by using the Vision Log event format.

Procedure

1. Log in to your Radware AppWall Console.
2. Select **Configuration View** from the menu bar.
3. In the Tree View pane on the left side of the window, click **appwall Gateway** > **Services** > **Vision Support**.
4. From the **Server List** tab on the right side of the window, click the add icon (+) in the Server List pane.
5. In the Add Vision Server window, configure the following parameters:

Parameter	Value
Address	The IP address for the QRadar Console.
Port	514
Version	Select the most recent version from the list. It is the last item in the list.

6. Click **Check** to verify that the AppWall can successfully connect to QRadar.
7. Click **Submit** and **Save**.
8. Click **Apply** > **OK**.

Increasing the maximum TCP Syslog payload length for Radware AppWall

Increase the maximum TCP Syslog payload length for your RadWare AppWall appliance in IBM Security QRadar.

Before you begin

Note: Your RadWare AppWall device might have event payloads that are longer than the default maximum TCP Syslog payload length of 4096 bytes. This overage can result in the event payload being split into multiple events by QRadar. To avoid this behavior, increase the maximum TCP Syslog payload length. To optimize performance, start by configuring the value to 8192 bytes. The maximum length for RadWare AppWall events is 14019 bytes.

Procedure

1. If you want to increase the maximum TCP Syslog payload length for QRadar V7.2.6, follow these steps:
   a. Log in to the QRadar Console as an administrator.
   b. From the **Admin** tab, click **System Settings**.
   c. Click **Advanced**.
   d. In the **Max TCP Syslog Payload Length** field, type 8192.
   e. Click **Save**.
   f. From the **Admin** tab, click **Deploy Changes**.
2. If you want to increase the maximum TCP Syslog payload length for QRadar V7.2.5 and earlier, follow these steps:
   a. Use SSH to log in to the QRadar Console.
   b. Go to the `/opt/qradar/conf/templates/configservice/pluggablesources/` directory, and edit the `TCPSyslog.vm` file.
   c. Type 8192 for the value for the **`MaxPayload`** parameter.
      For example, `<parameter type=MaxPayload>8192</parameter>`.
   d. Save the `TCPSyslog.vm` file.
   e. Log in to the QRadar Console as an administrator.
   f. From the **Admin** tab, click **Advanced** > **Deploy Full Configuration**.

Radware DefensePro

The Radware DefensePro DSM for IBM Security QRadar accepts events by using syslog. Event traps can also be mirrored to a syslog server.

Before you configure QRadar to integrate with a Radware DefensePro device, you must configure your Radware DefensePro device to forward syslog events to QRadar. You must configure the appropriate information by using the **Device > Trap and SMTP option**.

Any traps that are generated by the Radware device are mirrored to the specified syslog server. The current Radware Syslog server gives you the option to define the status and the event log server address.

You can also define more notification criteria, such as Facility and Severity, which are expressed by numerical values:

- **Facility** is a user-defined value that indicates the type of device that is used by the sender. This criteria is applied when the device sends syslog messages. The default value is 21, meaning Local Use 6.
- Severity indicates the importance or impact of the reported event. The Severity is determined dynamically by the device for each message sent.

In the Security Settings window, you must enable security reporting by using the connect and protect/security settings. You must enable security reports to syslog and configure the severity (syslog risk).

You are now ready to configure the log source in QRadar.

Configuring a log source

IBM Security QRadar automatically discovers and creates a log source for syslog events from Radware DefensePro. The following configuration steps are optional.

About this task

To manually configure a log source for Radware DefensePro:

Procedure

1. Log in to QRadar.
2. Click the **Admin** tab.
3. On the navigation menu, click **Data Sources**.
   The Data Sources pane is displayed.
4. Click the **Log Sources** icon.
   The Log Sources window is displayed.
5. Click **Add**.
   The Add a log source window is displayed.
6. In the **Log Source Name** field, type a name for your log source.
7. In the **Log Source Description** field, type a description for the log source.
8. From the **Log Source Type** list, select **Radware DefensePro**.
9. Using the **Protocol Configuration** list, select **Syslog**.
   The syslog protocol configuration is displayed.
10. Configure the following values:

Table 260. Syslog parameters

Parameter	Description
Log Source Identifier	Type the IP address or host name for the log source as an identifier for events from your Radware DefensePro installation.

11. Click **Save**.
12. On the **Admin** tab, click **Deploy Changes**.
    The configuration is complete.

Chapter 138. QRadar supported DSMs

IBM Security QRadar can collect events from your security products by using a plugin file that is called a Device Support Module (DSM).

The following table lists supported DSMs for third-party and IBM security solutions.

Table 325. QRadar Supported DSMs

Manufacturer	Device name and version	Protocol	Recorded events and formats	Auto discovered?	Includes identity?	Includes custom properties?
3Com	8800 Series Switch v3.01.30	Syslog	Status and network condition events	Yes	No	No
AhnLab	AhnLab Policy Center	AhnLabPolicy CenterJdbc	Spyware detection Virus detection Audit	No	Yes	No
Akamai	Akamai KONA	HTTP Receiver	Warn Rule Events Deny Rule Events	No	No	No
Amazon	Amazon AWS CloudTrail v1.0	Amazon AWS S3	All events in JSON and LEEF format	No	No	No
Ambiron	TrustWave ipAngel v4.0	Syslog	Snort-based events	No	No	No
Apache	HTTP Server v1.3+	Syslog	HTTP status	Yes	No	No
APC	UPS	Syslog	Smart-UPS series events	No	No	No
Apple	Mac OS X (10)	Syslog	Firewall, web server (access/error), privilege, and information events	No	Yes	No
Application Security, Inc.	DbProtect v6.2, v6.3, v6.3sp1, v6.3.1, and v6.4	Syslog	All events	Yes	No	No
Arbor Networks	Pravail APS v3.1+	Syslog	All events	Yes	No	No
Arpeggio Software	SIFT-IT v3.1+	Syslog	All events configured in the SIFT-IT rule set	Yes	No	No
Array Networks	SSL VPN ArraySP v7.3	Syslog	All events	No	Yes	Yes
Aruba Networks	ClearPass Policy Manager v6.5.0.71095 and above	Syslog	LEEF	Yes	Yes	No
Aruba Networks	Mobility Controllers v2.5 +	Syslog	All events	Yes	No	No
Avaya Inc.	Avaya VPN Gateway v9.0.7.2	Syslog	All events	Yes	Yes	No
BalaBit IT Security	MicrosoftWindows Security Event Log v4.x	Syslog	Microsoft Event Log Events	Yes	Yes	No
BalaBit IT Security	Microsoft ISA v4.x	Syslog	Microsoft Event Log Events	Yes	Yes	No
Barracuda Networks	Spam & Virus Firewall v5.x and later	Syslog	All events	Yes	No	No
Barracuda Networks	Web Application Firewall v7.0.x	Syslog	System, web firewall, access, and audit events	Yes	No	No
Barracuda Networks	Web Filter 6.0.x+	Syslog	Web traffic and web interface events	Yes	No	No
Bit9	Carbon Black v5.1 and later	Syslog	Watchlist hits	Yes	No	No
Bit9	Bit9 Parity	Syslog	LEEF	Yes		No
Bit9	Security Platform v6.0.2 and later	Syslog	All events	Yes	Yes	No
BlueCat Networks	Adonis v6.7.1-P2+	Syslog	DNS and DHCP events	Yes	No	No
Blue Coat	SG v4.x+	Syslog Log File Protocol	All events	No	No	Yes
Blue Coat	Web Security Service		Blue Coat ELFF, Access	No	No	No
Bridgewater Systems	AAA v8.2c1	Syslog	All events	Yes	Yes	No
Brocade	Fabric OS V7.x	Syslog	System and audit events	Yes	No	No
CA	Access Control Facility v12 to v15	Log File Protocol	All events	No	No	Yes
CA	SiteMinder	Syslog	All events	No	No	No
CA	Top Secret v12 to v15	Log File Protocol	All events	No	No	Yes
Check Point	Check Point versions NG, FP1, FP2, FP3, AI R54, AI R55, R65, R70, R77, NGX, and R75	Syslog or OPSEC LEA	All events	Yes	Yes	Yes
Check Point	VPN-1 versions NG, FP1, FP2, FP3, AI R54, AI R55, R65, R70, R77 NGX	Syslog or OPSEC LEA	All events	Yes	Yes	No
Check Point	Check Point Multi-Domain Management (Provider-1) versions NG, FP1, FP2, FP3, AI R54, AI R55, R65, R70, R77, NGX	Syslog or OPSEC LEA	All events	Yes	Yes	No
Cilasoft	Cilasoft QJRN/400 V5.14.K+	Syslog	IBM audit events	Yes	Yes	No
Cisco	4400 Series Wireless LAN Controller v7.2	Syslog or SNMPv2	All events	No	No	No
Cisco	CallManager v8.x	Syslog	Application events	Yes	No	No

Table 325. QRadar Supported DSMs (continued)

Manufacturer	Device name and version	Protocol	Recorded events and formats	Auto discovered?	Includes identity?	Includes custom properties?
Cisco	ACS v4.1 and later if directly from ACS v3.x and later if using ALE	Syslog	Failed Access Attempts	Yes	Yes	No
Cisco	Aironet v4.x+	Syslog	Cisco Emblem Format	Yes	No	No
Cisco	ACE Firewall v12.2	Syslog	All events	Yes	Yes	No
Cisco	ASA v7.x and later	Syslog	All events	Yes	Yes	No
Cisco	ASA v7.x+	NSEL Protocol	All events	No	No	No
Cisco	CSA v4.x, v5.x and v6.x	Syslog SNMPv1 SNMPv2	All events	Yes	Yes	No
Cisco	CatOS for catalyst systems v7.3+	Syslog	All events	Yes	Yes	No
Cisco	IPS v7.1.10 and later, v7.2.x, v7.3.x	SDEE	All events	No	No	No
Cisco	IronPort v5.5, v6.5, v7.1, and v7.5	Syslog, Log File Protocol	All events	No	No	No
Cisco	FireSIGHT Management Center v4.8.0.2 to v5.4.1. (formerly known as Sourcefire Defense Center)	FireSIGHT Management Center	Intrusion events and extra data Correlation events Metadata events Discovery events Host events User events Malware events File events	No	No	No
Cisco	Firewall Service Module (FWSM) v2.1+	Syslog	All events	Yes	Yes	Yes
Cisco	Catalyst Switch IOS, 12.2, 12.5+	Syslog	All events	Yes	Yes	No
Cisco	NAC Appliance v4.x +	Syslog	Audit, error, failure, quarantine, and infected events	No	No	No
Cisco	Nexus v6.x	Syslog	Nexus-OS events	Yes	No	No
Cisco	PIX Firewall v5.x, v6.3+	Syslog	Cisco PIX events	Yes	Yes	Yes
Cisco	IOS 12.2, 12.5+	Syslog	All events	Yes	Yes	No
Cisco	VPN 3000 Concentrator vVPN 3005, 4.1.7.H	Syslog	All events	Yes	Yes	Yes
Cisco	Wireless Services Modules (WiSM) v 5.1+	Syslog	All events	Yes	No	No
Cisco	Identity Services Engine v1.1	UDP Multiline Syslog Protocol	Device events	No	Yes	No
Citrix	NetScaler v9.3 to v10.0	Syslog	All events	Yes	Yes	No
Citrix	Access Gateway v4.5	Syslog	Access, audit, and diagnostic events	Yes	No	No
Cloudera	Cloudera Navigator	Syslog	Audit events for HDFS, HBase, Hive, Hue, Cloudera Impala, Sentry	Yes	No	No
CloudPassage	CloudPassage Halo	Syslog, Log file	All events	Yes	No	No
CorreLog	CorreLog Agent for IBM z/OS	Syslog LEEF	All events	Yes	No	No
CRYPTOCard	CRYPTO- Shield v6.3	Syslog	All events	No	No	No
CyberArk	CyberArk Privileged Threat Analytics v3.1	Syslog	Detected security events	Yes	No	No
CyberArk	CyberArk Vault v6.x	Syslog	All events	Yes	Yes	No
CyberGuard	Firewall/VPN KS1000 v5.1	Syslog	CyberGuard events	Yes	No	No
Damballa	Failsafe v5.0.2+	Syslog	All events	Yes	No	No
Digital China Networks	DCS and DCRS Series switches v1.8.7	Syslog	DCS and DCRS IPv4 events	No	No	No
DG Technology	DG Technology MEAS	LEEF Syslog	Mainframe events	Yes	No	No
Extreme	Dragon v5.0, 6.x, v7.1, v7.2, v7.3, and v7.4	Syslog SNMPv1 SNMPv3	All relevant Extreme Dragon events	Yes	No	No
Extreme	800-Series Switch	Syslog	All events	Yes	No	No
Extreme	Matrix Router v3.5	Syslog SNMPv1 SNMPv2 SNMPv3	SNMP and syslog login, logout, and login failed events	Yes	No	No
Extreme	NetSight Automatic Security Manager v3.1.2	Syslog	All events	Yes	No	No
Extreme	Matrix N/K/S Series Switch v6.x, v7.x	Syslog	All relevant Matrix K-Series, N-Series and S-Series device events	Yes	No	No
Extreme	Stackable and Standalone Switches	Syslog	All events	Yes	Yes	No
Extreme	XSR Security Router v7.6.14.0002	Syslog	All events	Yes	No	No
Extreme	HiGuard Wireless IPS V2R2.0.30	Syslog	All events	Yes	No	No
Extreme	HiPath Wireless Controller V2R2.0.30	Syslog	All events	Yes	No	No
Extreme	NAC v3.2 and v3.3	Syslog	All events	Yes	No	No

Table 325. QRadar Supported DSMs (continued)

Manufacturer	Device name and version	Protocol	Recorded events and formats	Auto discovered?	Includes identity?	Includes custom properties?
Enterprise-IT-Security.com	SF-Sherlock v8.1 and later	LEEF	All_Checks, DB2_Security_Configuration, JES_Configuration, Job_Entry_System_Attack, Network_Parameter, Network_Security, No_Policy, Resource_Access_Viol, Resource_Allocation, Resource_Protection, Running_System_Change, Running_System_Security, Running_System_Status, Security_Dbase_Scan, Security_Dbase_Specialty, Security_Dbase_Status, Security_Parm_Change, Security_System_Attack, Security_System_Software, Security_System_Status, SF-Sherlock, Sherlock_Diverse, Sherlock_Diverse, Sherlock_Information, Sherlock_Specialties, Storage_Management, Subsystem_Scan, Sysplex_Security, Sysplex_Status, System_Catalog, System_File_Change, System_File_Security, System_File_Specialty, System_Log_Monitoring, System_Module_Security, System_Process_Security, System_Residence, System_Tampering, System_Volumes, TSO_Status, UNIX_OMVS_Security, UNIX_OMVS_System, User_Defined_Monitoring, xx_Resource_Prot_Templ	Yes	No	No
Epic	Epic SIEM, version Epic 2014	LEEF	Audit, Authentication	Yes	Yes	No
Exabeam	Exabeam v1.7 and v2.0	not applicable	Critical, Anomalous	Yes	No	No
Extreme Networks	Extreme Ware v7.7 and XOS v12.4.1.x	Syslog	All events	No	Yes	No
F5 Networks	BIG-IP AFM v11.3	Syslog	Network, network DoS, protocol security, DNS, and DNS DoS events	Yes	No	No
F5 Networks	BIG-IP LTM v4.5, v9.x to v11.x	Syslog	All events	No	Yes	No
F5 Networks	BIG-IP ASM v10.1	Syslog	All events Common Event Format (CEF) formatted messages	No	Yes	No
F5 Networks	BIG-IP APM v10.x, and v11.x	Syslog	All events	Yes	No	No
F5 Networks	FirePass v7.0	Syslog	All events	Yes	Yes	No
Fair Warning	Fair Warning v2.9.2	Log File Protocol	All events	No	No	No
Fidelis Security Systems	Fidelis XPS 7.3.x	Syslog	Alert events	Yes	No	No
FireEye	FireEye CMS, MPS, EX, AX, NX, FX, and HX	Syslog	All relevant events Common Event Format (CEF) formatted messages Log Event Extended Format (LEEF)	No	Yes	No
FreeRADIUS	FreeRADIUS V2.x	Syslog	All events	Yes	Yes	No
ForeScout	CounterACT v7.x and later	Syslog	Denial of Service, system, exploit, authentication, and suspicious events	No	No	No
Fortinet	FortiGate FortiOS v2.5	Syslog Syslog Redirect	All events	Yes	Yes	Yes
Foundry	FastIron v3.x.x and v4.x.x	Syslog	All events	Yes	Yes	No

Table 325. QRadar Supported DSMs (continued)

Manufacturer	Device name and version	Protocol	Recorded events and formats	Auto discovered?	Includes identity?	Includes custom properties?
genua	genugate 8.2+	Syslog	General error messages High availability General relay messages Relay-specific messages genua programs/daemons EPSI Accounting Daemon - gg/src/acctd Configfw FWConfig ROFWConfig User-Interface Webserver	Yes	Yes	No
Great Bay	Beacon	Syslog	All events	Yes	Yes	No
HBGary	Active Defense v1.2 and later	Syslog	All events	Yes	No	No
HP	Tandem	Log File Protocol	Safe Guard Audit file events	No	No	No
HP	ProCurve K.14.52	Syslog	All events	Yes	No	No
HP	UX v11.x and later	Syslog	All events	No	Yes	No
Honeycomb Technologies	Lexicon File Integrity Monitor mesh service v3.1 and later	Syslog	integrity events	Yes	No	No
Huawei	S Series Switch S5700, S7700, and S9700 using V200R001C00	Syslog	IPv4 events from S5700, S7700, and S9700 Switches	No	No	No
Huawei	AR Series Router (AR150, AR200, AR1200, AR2200, and AR3200 routers using V200R002C00)	Syslog	IPv4 events	No	No	No
IBM	AIX v6.1 and v7.1	Syslog, Log File Protocol	Configured audit events	Yes	No	No
IBM	AIX 5.x, 6.x, and v7.x	Syslog	Authentication and operating system events	Yes	Yes	No
IBM	AS/400iSeries DSM V5R4 and later	Log File Protocol	All events	No	Yes	No
IBM	AS/400 iSeries - Robert Townsend Security Solutions V5R1 and later	Syslog	CEF formatted messages	Yes	Yes	No
IBM	AS/400 iSeries - Powertech Interact V5R1 and later	Syslog	CEF formatted messages	Yes	Yes	No
IBM	Bluemix Platform	Syslog, TLS Syslog	All System (Cloud Foundry) events, some application events	Yes	No	No
IBM	Federated Directory Server V7.2.0.2 and later	LEEF	FDS Audit	Yes	No	No
IBM	InfoSphere 8.2p45	Syslog	Policy builder events	No	No	No
IBM	ISS Proventia M10 v2.1_2004.1122_15.13.53	SNMP	All events	No	No	No
IBM	LotusDomino v8.5	SNMP	All events	No	No	No
IBM	Proventia Management SiteProtector v2.0 and v2.9	JDBC	IPS and audit events	No	No	No
IBM	RACF v1.9 to v1.13	Log File Protocol	All events	No	No	Yes
IBM	CICS v3.1 to v4.2	Log File Protocol	All events	No	No	Yes
IBM	DB2 v8.1 to v10.1	Log File Protocol	All events	No	No	Yes
IBM	z/OS v1.9 to v1.13	Log File Protocol	All events	No	No	Yes
IBM	Informix v11	Log File Protocol	All events	No	No	No
IBM	IMS	Log File Protocol	All events	No	No	No
IBM	Security Access Manager for Mobile (ISAM)	TLS Syslog	IBM_SECURITY_AUTHN IBM_SECURITY_TRUST IBM_SECURITY_RUNTIME IBM_SECURITY_CBA_AUDIT_MGMT IBM_SECURITY_CBA_AUDIT_RTE IBM_SECURITY_RTSS_AUDIT_AUTHZ IBM_SECURITY_SIGNING CloudOE Operations Usage IDaaS Appliance Audit IDaaS Platform Audit	Yes	No	No
IBM	Security Identity Governance (ISIG)	JDBC	NVP event format Audit event type	No	No	No
IBM	Security Network Protection (XGS) v5.0 with fixpack 7	Syslog	System, access, and security events	Yes	No	No

Table 325. QRadar Supported DSMs (continued)

Manufacturer	Device name and version	Protocol	Recorded events and formats	Auto discovered?	Includes identity?	Includes custom properties?
IBM	Security Network IPS v4.6 and later	Syslog	Security, health, and system events	Yes	No	No
IBM	Security Identity Manager 6.0.x and later	JDBC	Audit and recertification events	No	Yes	No
IBM	IBM Security Trusteer Apex Advanced Malware Protection	Syslog/LEEF Log File Protocol	Malware Detection Exploit Detection Data Exfiltration Detection Lockdown for Java Event File Inspection Event Apex Stopped Event Apex Uninstalled Event Policy Changed Event ASLR Violation Event ASLR Enforcement Event Password Protection Event	Yes	Yes	No
IBM	IBM SmartCloud Orchestrator v2.3 FP1 and later	IBM SmartCloud Orchestrator REST API	Audit Records	No	Yes	No
IBM	Tivoli Access Manager IBM Web Security Gateway v7.x	Syslog	audit, access, and HTTP events	Yes	Yes	No
IBM	Tivoli Endpoint Manager v8.2.x and later	IBM Tivoli Endpoint Manager SOAP Protocol	Server events	No	Yes	No
IBM	WebSphere Application Server v5.0 to v8.5	Log File Protocol	All events	No	Yes	No
IBM	WebSphere DataPower FirmwareV6 and V7	Syslog	All events	Yes	No	No
IBM	zSecure Alert v1.13.x and later	UNIX syslog	Alert events	Yes	Yes	No
IBM	Security Access Manager v8.1 and v8.2	Syslog	Audit, system, and authentication events	Yes	No	No
IBM	Security Directory v6.3.1 and later	Syslog LEEF	All events	Yes	Yes	No
Imperva	SecureSphere v6.2 and v7.x or 9.5 to 11.5 (LEEF)	Syslog	All events	Yes	No	No
Infoblox	NIOS v6.x	Syslog	All events	No	Yes	No
Internet Systems Consortium (ISC)	BIND v9.9	Syslog	All events	Yes	No	No
iT-CUBE	agileSI v1.x	SMB Tail	AgileSI SAP events	No	Yes	No
Itron	Openway Smart Meter	Syslog	All events	Yes	No	No
Juniper Networks	AVT	JDBC	All events	No	No	Yes
Juniper Networks	DDoS Secure	Syslog	All events	Yes	No	No
Juniper Networks	DX	Syslog	Status and network condition events	Yes	No	Yes
Juniper Networks*	Infranet Controller v2.1, v3.1 & v4.0	Syslog	All events	No	Yes	Yes
Juniper Networks	Firewall and VPN v5.5r3 and later	Syslog	NetScreen Firewall events	Yes	Yes	Yes
Juniper Networks	Junos WebApp Secure v4.2.x	Syslog	Incident and access events	Yes	No	No
Juniper Networks	IDP v4.0, v4.1 & v5.0	Syslog	NetScreen IDP events	Yes	No	Yes
Juniper Networks	Network and Security Manager (NSM) and Juniper SSG v2007.1r2 to 2007.2r2, 2008.r1, 2009r1.1, 2010.x	Syslog	NetScreen NSM events	Yes	No	Yes
Juniper Networks	Junos OS v7.x to v10.x Ex Series Ethernet Switch DSM only supports v9.0 to v10.x	Syslog or PCAP Syslog***	All events	Yes**	Yes	Yes
Juniper Networks	Secure Access RA Juniper SA version 6.1R2 and Juniper IC version 2.1	Syslog	All events	Yes	Yes	Yes
Juniper Networks	Juniper Security Binary Log Collector SRX or J Series appliances at v12.1 or above	Binary	Audit, system, firewall, and IPS events	No	No	Yes
Juniper Networks	Steel-Belted Radius v5.x and later	Syslog	All events	Yes	Yes	Yes
Juniper Networks	vGW Virtual Gateway v4.5	Syslog	Firewall, admin, policy and IDS Log events	Yes	No	No

Table 325. QRadar Supported DSMs (continued)

Manufacturer	Device name and version	Protocol	Recorded events and formats	Auto discovered?	Includes identity?	Includes custom properties?
Juniper Networks	Wireless LAN Controller Wireless LAN devices with Mobility System Software (MSS) V7.6 and later	Syslog	All events	Yes	No	No
Kaspersky	Security Center v9.2 and later	JDBC, LEEF	Antivirus, server, and audit events	No	Yes	No
Kisco	Kisco Information Systems SafeNet/i V10.11	Log File	All events	No	No	No
Lastline	Lastline Enterprise 6.0	LEEF	Anti-malware	Yes	No	No
Lieberman	Random Password Manager v4.8x	Syslog	All events	Yes	No	No
Linux	Open Source Linux OS v2.4 and later	Syslog	Operating system events	Yes	Yes	No
Linux	DHCP Server v2.4 and later	Syslog	All events from a DHCP server	Yes	Yes	No
Linux	IPtables kernel v2.4 and later	Syslog	Accept, Drop, or Reject events	Yes	No	No
McAfee	Application / Change Control v4.5.x	JDBC	Change management events	No	Yes	No
McAfee	ePolicy Orchestrator v3.5 to v5.x	JDBC, SNMPv2, SNMPv3	AntiVirus events	No	No	No
McAfee	Firewall Enterprise v6.1	Syslog	Firewall Enterprise events	Yes	No	No
McAfee	Intrushield v2.x - v5.x	Syslog	Alert notification events	Yes	No	No
McAfee	Intrushield v6.x - v7.x	Syslog	Alert and fault notification events	Yes	No	No
McAfee	Web v6.0.0 and later	Syslog, Log File Protocol	All events	Yes	No	No
MetaInfo	MetaIP v5.7.00-6059 and later	Syslog	All events	Yes	Yes	No
Microsoft	IIS v6.0, 7.0 and 8.x	Syslog	HTTP status code events	Yes	No	No
Microsoft	Internet and Acceleration (ISA) Server or Threat Management Gateway 2006	Syslog	ISA or TMG events	Yes	No	No
Microsoft	Exchange Server 2003, 2007, 2010, 2013, and 2016	Windows Exchange Protocol	Outlook Web Access events (OWA) Simple Mail Transfer Protocol events (SMTP Message Tracking Protocol events (MSGTRK)	No	No	No
Microsoft	Endpoint Protection 2012	JDBC	Malware detection events	No	No	No
Microsoft	Hyper V v2008 and v2012	WinCollect	All events	No	No	No
Microsoft	IAS Server v2000, 2003, and 2008	Syslog	All events	Yes	No	No
Microsoft	Microsoft Windows Event Security Log v2000, 2003, 2008, XP, Vista, and Windows 7 (32 or 64-bit systems supported)	Syslog non-Syslog MicrosoftWindows Event Log Protocol Source Common Event Format (CEF) format, Log Event Extended Format (LEEF)	All events	Yes	Yes	Yes
Microsoft	SQL Server 2008, 2012, and 2014	JDBC	SQL Audit events	No	No	No
Microsoft	SharePoint 2010	JDBC	SharePoint audit, site, and file events	No	No	No
Microsoft	DHCP Server 2000/2003	Syslog	All events	Yes	Yes	No
Microsoft	Microsoft Office 365	Office 365 REST API	JSON	No	No	No
Microsoft	Operations Manager 2005	JDBC	All events	No	No	No
Microsoft	System Center Operations Manager 2007	JDBC	All events	No	No	No
Motorola	Symbol AP firmware v1.1 to 2.1	Syslog	All events	No	No	No
NetApp	Data ONTAP	Syslog	CIFS events	Yes	Yes	No
Netskope	Netskope Active	Netskope Active REST API	Alert, All events	No	Yes	No
Niksun	NetVCR 2005 v3.x	Syslog	Niksun events	No	No	No
Nokia	Firewall NG FP1, FP2, FP3, AI R54, AI R55, NGX on IPSO v3.8 and later	Syslog or OPSEC LEA	All events	Yes	Yes	No
Nokia	VPN-1 NG FP1, FP2, FP3, AI R54, AI R55, NGX on IPSO v3.8 and later	Syslog or OPSEC LEA	All events	Yes	Yes	No
Nominum	Vantio v5.3	Syslog	All events	Yes	No	No
Nortel	Contivity	Syslog	All events	Yes	No	No

Table 325. QRadar Supported DSMs (continued)

Manufacturer	Device name and version	Protocol	Recorded events and formats	Auto discovered?	Includes identity?	Includes custom properties?
Nortel	Application Switch v3.2 and later	Syslog	Status and network condition events	No	Yes	No
Nortel	ARN v15.5	Syslog	All events	Yes	No	No
Nortel*	Ethernet Routing Switch 2500 v4.1	Syslog	All events	No	Yes	No
Nortel*	Ethernet Routing Switch 4500 v5.1	Syslog	All events	No	Yes	No
Nortel*	Ethernet Routing Switch 5500 v5.1	Syslog	All events	No	Yes	No
Nortel	Ethernet Routing Switch 8300 v4.1	Syslog	All events	No	Yes	No
Nortel	Ethernet Routing Switch 8600 v5.0	Syslog	All events	No	Yes	No
Nortel	VPN Gateway v6.0, 7.0.1 and later, v8.x	Syslog	All events	Yes	Yes	No
Nortel	Secure Router v9.3, v10.1	Syslog	All events	Yes	Yes	No
Nortel	Secure Network Access Switch v1.6 and v2.0	Syslog	All events	Yes	Yes	No
Nortel	Switched Firewall 5100 v2.4	Syslog or OPSEC	All events	Yes	Yes	No
Nortel	Switched Firewall 6000 v4.2	Syslog or OPSEC	All events	Yes	Yes	No
Nortel	Threat Protection System v4.6 and v4.7	Syslog	All events	No	No	No
Novell	eDirectory v2.7	Syslog	All events	Yes	No	No
ObserveIT	ObserveIT 5.7.x and later	JDBC	Alerts User Activity System Events Session Activity DBA Activity	No	Yes	No
Okta	Okta Identity Management	Okta REST API	JSON	No	Yes	No
Onapsis	Onapsis Security Platform v1.5.8 and later	Log Event Extended Format (LEEF)	Assessment Attack signature Correlation Compliance	Yes	No	No
OpenBSD Project	OpenBSD v4.2 and later	Syslog	All events	No	Yes	No
Open LDAP Foundation	Open LDAP 2.4.x	UDP Multiline Syslog	All events	No	No	No
Open Source	SNORT v2.x	Syslog	All events	Yes	No	No
OpenStack	OpenStack v2015.1	HTTP Reciever	Audit events	No	No	No
Oracle	Audit Records v9i, v10g, and v11g	Syslog JDBC	All relevant Oracle events	Yes	Yes	No
Oracle	Audit Vault v10.2.3.2 and later	JDBC	Oracle events	No	No	No
Oracle	OS Audit v9i, v10g, and v11g	Syslog	Oracle events	Yes	Yes	No
Oracle	BEA WebLogic v10.3.x	Log File Protocol	Oracle events	No	No	No
Oracle	Database Listener v9i, v10g, and v11g	Syslog	Oracle events	Yes	No	No
Oracle	Fine Grained Auditing v9i and v10g	JDBC	Select, insert, delete, or update events for tables configured with a policy	No	No	No
OSSEC	OSSEC v2.6 and later	Syslog	All relevant	Yes	No	No
Palo Alto Networks	PanOS v4.0 and later	Syslog	All events	Yes	Yes	No
Pirean	Access: One v2.2 with DB2 v9.7	JDBC	Access management and authentication events	No	No	No
PostFix	Mail Transfer Agent v2.6.6 and later	UDP Multiline Protocol or Syslog	Mail events	No	No	No
ProFTPd	ProFTPd v1.2.x, v1.3.x	Syslog	All events	Yes	Yes	No
Proofpoint	Proofpoint Enterprise Protection and Enterprise Privacy versions 7.0.2, 7.1, or 7.2	Syslog	System, email audit, email encryption, and email security threat classification events	No	No	No
Radware	AppWall v6.5.2	Syslog	Event format: Vision Log Recorded event types: Administration Audit Learning Security System	Yes	No	No
Radware	DefensePro v4.23, 5.01, 6.x and 7.x	Syslog	All events	Yes	No	No
Raz-Lee iSecurity	AS/400iSeries Firewall 15.7 and Audit 11.7	Syslog	Security and audit events	Yes	Yes	No
Redback Networks	ASE v6.1.5	Syslog	All events	Yes	No	No

Table 325. QRadar Supported DSMs (continued)

Manufacturer	Device name and version	Protocol	Recorded events and formats	Auto discovered?	Includes identity?	Includes custom properties?
Resolution1	Resolution1 CyberSecurity Formerly known as AccessData InSightResolution1 CyberSecurity	Log file	Volatile Data, Memory Analysis Data, Memory Acquisition Data, Collection Data, Software Inventory, Process Dump Data, Threat Scan Data, Agent Remediation Data	No	No	No
Riverbed	SteelCentral NetProfiler	JDBC	Alert events	No	No	No
Riverbed	SteelCentral NetProfiler Audit	Log file protocol	Audit events	No	Yes	No
RSA	Authentication Manager v6.x, v7.x, and v8.x	v6.x and v7.x use Syslog or Log File Protocol v8.x uses Syslog only	All events	No	No	No
SafeNet	DataSecure v6.3.0 and later	Syslog	All events	Yes	No	No
Salesforce	Security Auditing	Log File	Setup Audit Records	No	No	No
Salesforce	Security Monitoring	Salesforce REST API Protocol	Login History Account History Case History Entitlement History Service Contract History Contract Line Item History Contract History Contact History Lead History Opportunity History Solution History	No	Yes	No
Samhain Labs	HIDS v2.4	Syslog JDBC	All events	Yes	No	No
Seculert	Seculert v1	Seculert Protection REST API Protocol	All malware communication events	No	No	No
Seculert	Seculert	Seculert protection REST API Protoco	All malware communication events	No	No	No
Sentrigo	Hedgehog v2.5.3	Syslog	All events	Yes	No	No
Skyhigh Networks	Skyhigh Networks Cloud Security Platform v2.4	LEEF	Anomaly events	Yes	No	No
SolarWinds	Orion v2011.2	Syslog	All events	Yes	No	No
SonicWALL	UTM/Firewall/VPN Appliance v3.x and later	Syslog	All events	Yes	No	No
Sophos	Astaro v8.x	Syslog	All events	Yes	No	No
Sophos	Enterprise Console v4.5.1 and v5.1	Sophos Enterprise Console protocol JDBC	All events	No	No	No
Sophos	PureMessage v3.1.0.0 and later for Microsoft Exchange v5.6.0 for Linux	JDBC	Quarantined email events	No	No	No
Sophos	Web Security Appliance v3.x	Syslog	Transaction log events	Yes	No	No
Sourcefire	Intrusion Sensor IS 500, v2.x, 3.x, 4.x	Syslog	All events	Yes	No	No
Sourcefire	Defense Center v4.8.0.2 to v5.2.0.4.	Sourcefire Defense Center	All events	No	No	No
Splunk	MicrosoftWindows Security Event Log	Windows-based event provided by Splunk Forwarders	All events	No	Yes	No
Squid	Web Proxy v2.5 and later	Syslog	All cache and access log events	Yes	No	No
Startent Networks	Startent Networks	Syslog	All events	Yes	No	No
STEALTHbits Technologies	StealthINTERCEPT	Syslog LEEF	Active Directory Audit Events	Yes	No	No
STEALTHbits Technologies	STEALTHbits StealthINTERCEPT Alerts	Syslog LEEF	Active Directory Alerts Events	Yes	No	No
STEALTHbits Technologies	STEALTHbits StealthINTERCEPT Analytics	Syslog LEEF	Active Directory Analytics Events	Yes	No	No
Stonesoft	Management Center v5.4	Syslog	Management Center, IPS, Firewall, and VPN Events	Yes	No	No
Sun	Solaris v5.8, v5.9, Sun OS v5.8, v5.9	Syslog	All events	Yes	Yes	No
Sun	Solaris DHCP v2.8	Syslog	All events	Yes	Yes	No

Table 325. QRadar Supported DSMs (continued)

Manufacturer	Device name and version	Protocol	Recorded events and formats	Auto discovered?	Includes identity?	Includes custom properties?
Sun	Solaris Sendmail v2.x	Syslog Log File Protocol Proofpoint 7.5 and 8.0 Sendmail log	All events	Yes	No	No
Sun	Solaris Basic Security Mode (BSM) v5.10 and later	Log File Protocol	All events	No	Yes	No
Sun	ONE LDAP v11.1	Log File Protocol	All relevant access and LDAP events	No	No	No
Sybase	ASE v15.0 and later	JDBC	All events	No	No	No
Symantec	Endpoint Protection v11 and v12	Syslog	All Audit and Security Logs	Yes	No	Yes
Symantec	SGS Appliance v3.x and later	Syslog	All events	Yes	No	Yes
Symantec	SSC v10.1	JDBC	All events	Yes	No	No
Symantec	Data Loss Prevention (DLP) v8.x and later	Syslog	All events	No	No	No
Symantec	PGP Universal Server 3.0.x	Syslog	All events	Yes	No	No
Symark	PowerBroker 4.0	Syslog	All events	Yes	No	No
ThreatGRID	Malware Threat Intelligence Platform v2.0	Log file protocol Syslog	Malware events	No	No	No
TippingPoint	Intrusion Prevention System (IPS) v1.4.2 to v3.2.x	Syslog	All events	No	No	No
TippingPoint	X505/X506 v2.5 and later	Syslog	All events	Yes	Yes	No
Top Layer	IPS 5500 v4.1 and later	Syslog	All events	Yes	No	No
Trend Micro	Control Manager v5.0 or v5.5 with hotfix 1697 or hotfix 1713 after SP1 Patch 1	SNMPv1 SNMPv2 SNMPv3	All events	Yes	No	No
Trend Micro	Deep Discovery v3.x	Syslog	All events	Yes	No	No
Trend Micro	Deep Discovery Email Inspector v2.1	Log Event Extended Format (LEEF)	Detections, Virtual Analyzer Analysis logs, System events	Yes	No	No
Trend Micro	Deep Security v9.6.1532 and later	Log Event Extended Format (LEEF)	Anti-Malware Deep Security Firewall Integrity Monitor Intrusion Prevention Log Inspection System Web Reputation	Yes	No	No
Trend Micro	InterScan VirusWall v6.0 and later	Syslog	All events	Yes	No	No
Trend Micro	Office Scan v8.x and v10.x	SNMPv2	All events	No	No	No
Tripwire	Enterprise Manager v5.2 and later	Syslog	Resource additions, removal, and modification events	Yes	No	No
Tropos Networks	Tropos Control v7.7	Syslog	Fault management, login/logout, provision, and device image upload events	No	No	No
Trusteer	Apex Local Event Aggregator v1304.x and later	Syslog	Malware, exploit, and data exfiltration detection events	Yes	No	No
Universal	Syslog and SNMP	Syslog SNMP SDEE	All events	No	Yes	No
Universal	Syslog	Syslog Log File Protocol	All events	No	Yes	No
Universal	Authentication Server	Syslog	All events	No	Yes	No
Universal	Firewall	Syslog	All events	No	No	No
Verdasys	Digital Guardian 6.0.x with Syslog, and 6.1.1 with LEEF event format	Syslog LEEF	All events	Yes	No	No
Vericept	Content 360 up to v8.0	Syslog	All events	Yes	No	No

Table 325. QRadar Supported DSMs (continued)

Manufacturer	Device name and version	Protocol	Recorded events and formats	Auto discovered?	Includes identity?	Includes custom properties?
VMware	VMware ESX or ESXi 3.5.x, 4.x, and 5.x	Syslog VMWare protocol	All events	Yes if syslog	No	No
VMware	vCenter v5.x	VMWare protocol	All events	No	No	No
VMware	vCloud v5.1	vCloud protocol	All events	No	Yes	No
VMWare	vShield	Syslog	All events	Yes	No	No
Vormetric, Inc.	Vormetric Data Security	Syslog (LEEF)	Audit Alarm Warn Learn Mode System	Yes	No	No
Watchguard	WatchGuard Fireware OS	Syslog	All events	Yes	No	No
Websense	TRITON v7.7	Syslog	All events	Yes	No	No
Websense	V Series Data Security Suite (DSS) v7.1.x and later	Syslog	All events	Yes	No	No
Websense	V Series Content Gateway v7.1.x and later	Log File Protocol	All events	No	No	No
Zscaler	Zscaler NSS v4.1	Syslog	Web log events	Yes	No	No

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