SCIENCESOFT CUSTOM QRADAR APPS QLEAN APP SUITE

REFERENCE GUIDE

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QLean for Tuning & Health Check [commercial]

QLEAN (previously known as HCF or Health Check Framework) is the most advanced app for QRadar fine tuning and health check. QLEAN makes QRadar maintenance easy and transparent by optimizing and automating routine SOC processes and a wide range of advanced fine tuning and health check procedures that can free up to 30% QRadar admin time.

QLEAN Unique Value

- Over 50 advanced performance and behavioral metrics including Data Quality, Offense Analysis, Raw EPS and FPI timeline, Rules Performance, SOC KPIs, Fine Tuning and many others

- XLS/JSON reporting, scheduled mode, advanced innovative metrics independent of the QRadar API version

- An instant complete snapshot of the system state and data quality with timeline that makes it easy to investigate security threats & top offenses

- Savings of up to 250 admin hours annually per average deployment

- Helps improve log data coverage

- Helps improve efficiency of SIEM license use and data quality

- A single-component plug & play architecture

- Advanced report delivered via email

- Significantly lower QRadar maintenance costs and improved ROI

- Higher client/operator satisfaction

- User base includes major banks, MSSPs, Fortune 500 companies and government organizations
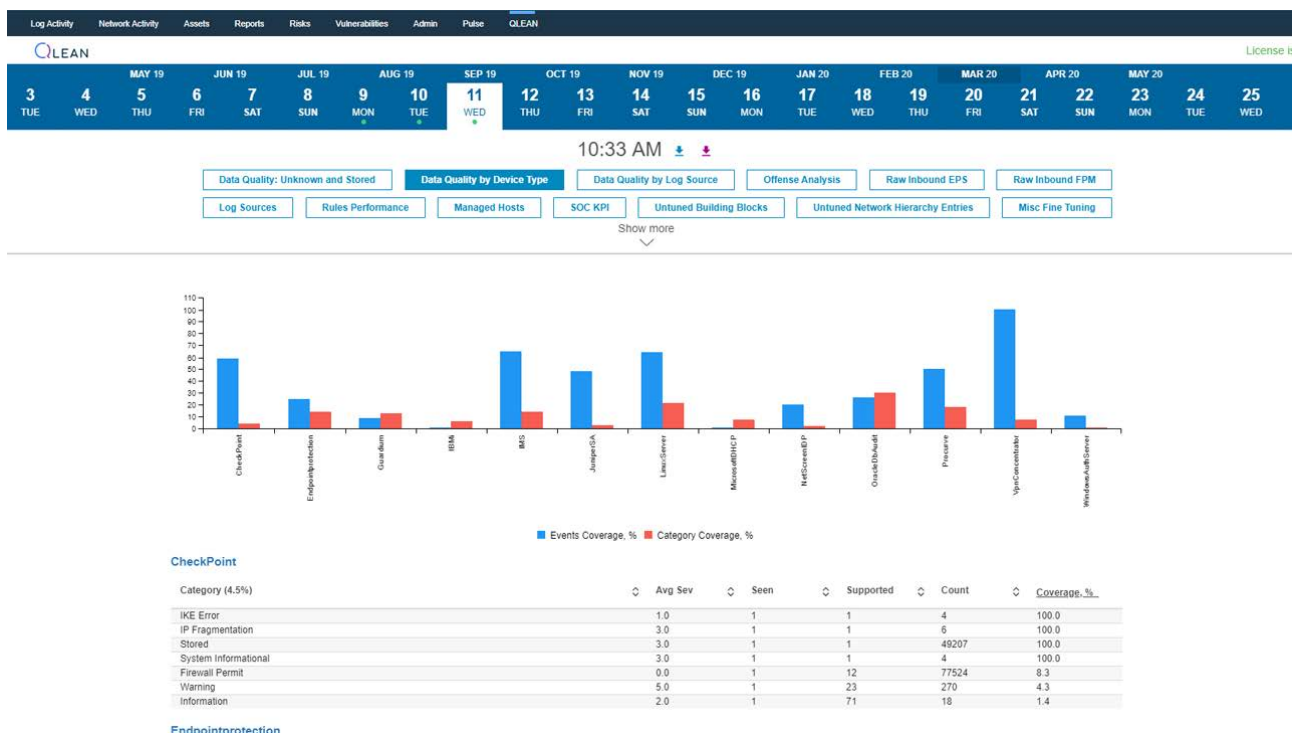
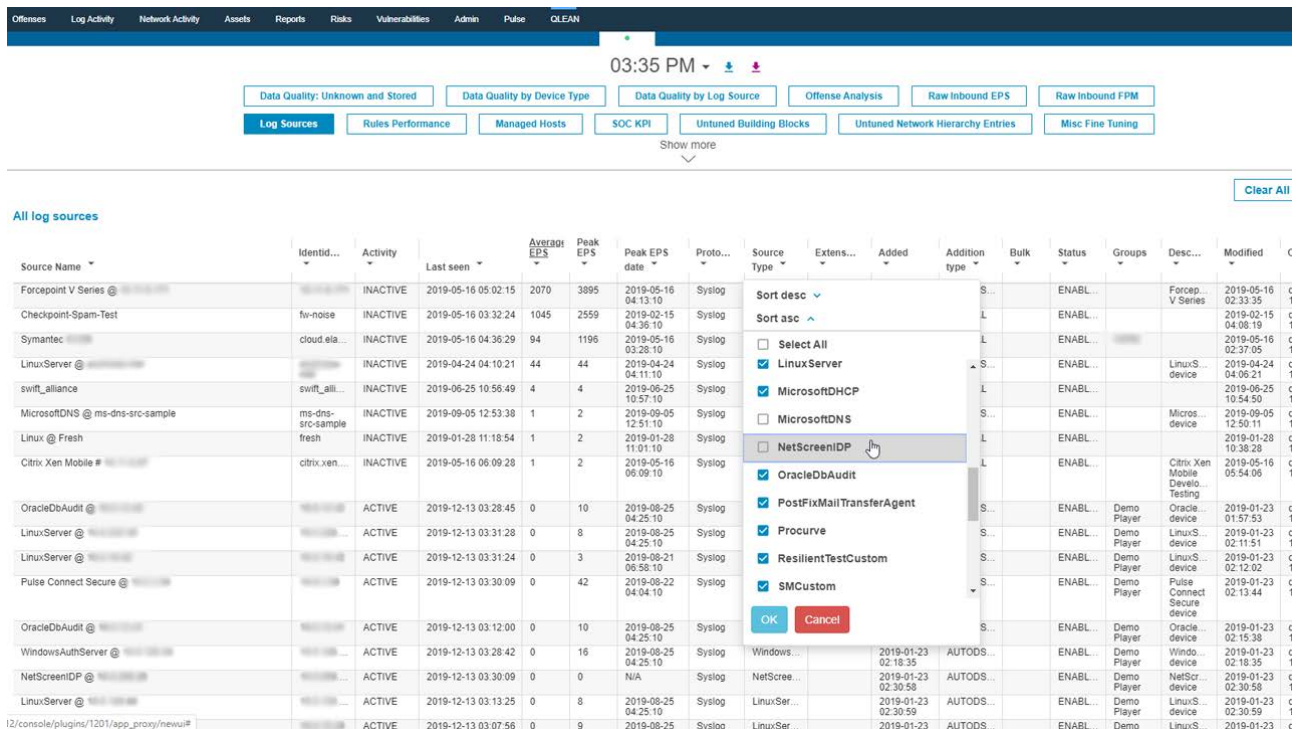For a complete list of supported metrics with the detailed description please visit: LINK

QLEAN has been named finalist as Outstanding Security Solution by IBM 2020 & 2021 Beacon Awards.

QLEAN.io website: LINK

QLEAN interactive online demo: LINK

QLEAN sample report: LINK

QLEAN video: LINK

License

Free QLEAN demo version contains limited functionality available without a license. Some of the metrics are available in the XLS report. To start a free trial of the full version and request professional SIEM services please request a license key by emailing QLEAN tech support at qlean@scnsoft.com
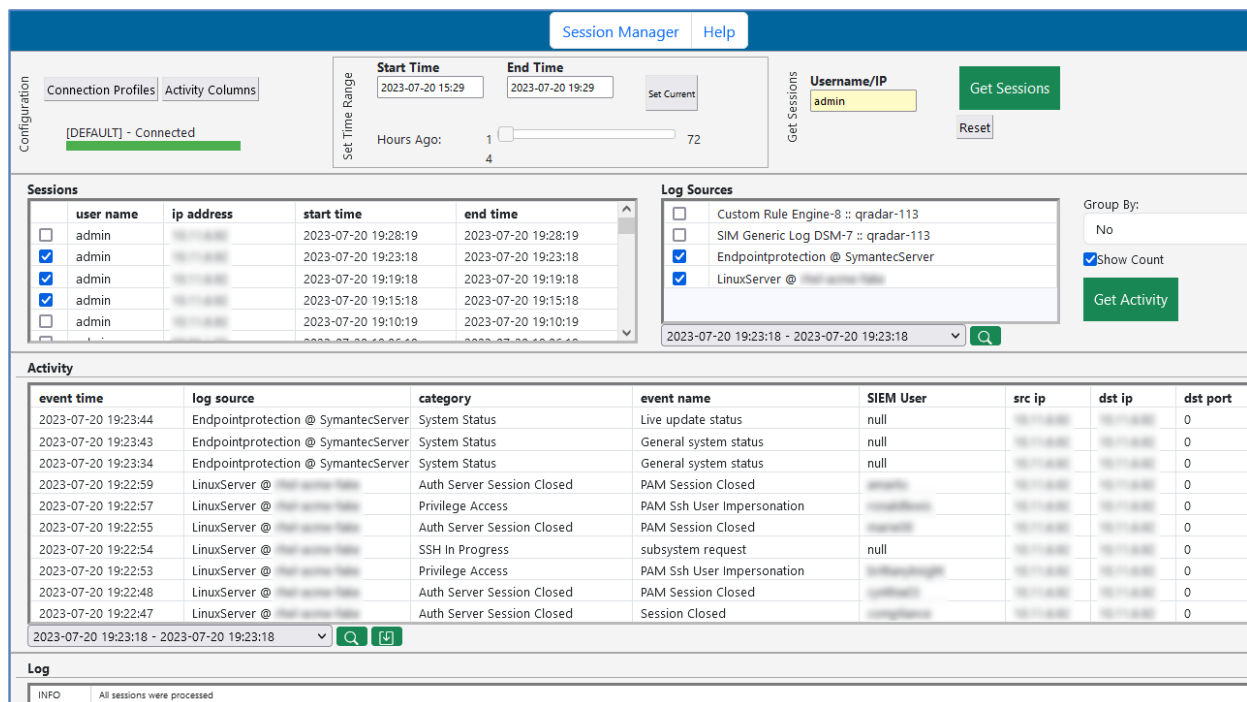
IBM App Exchange

https://exchange.xforce.ibmcloud.com/hub/extension/7b76f487c8e370a3749d9264cd5998d9

QSM Session Manager [free]

QSM QRadar Session Manager makes it easy to track user sessions (username + sourceIP + timeframe combinations) and investigate security events using session information even when a user name is not available in log messages e.g.:

- Firewall activity
- IDS/IPS activity
- Web Servers activity
- Operating Systems logs missing username
- Database and business application queries
- Others

QRadar Native Alternatives

There's no such functionality available in native QRadar interface. Every search in a series must be created and processed manually. QSM saves up to 3 working hours daily for an analyst who's performing such investigations.
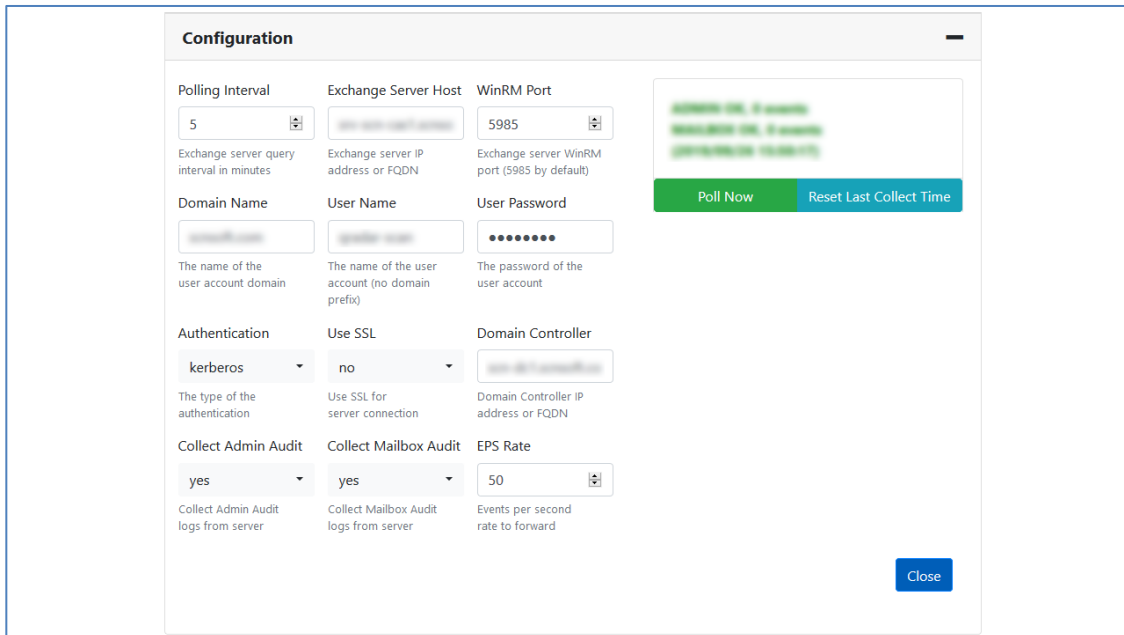
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IBM AppExchange

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QMEA - Microsoft Exchange Audit [commercial]

QMEA Microsoft Exchange Audit Export Tool for QRadar enables easy export of Microsoft Exchange Admin Audit and Mailbox Audit logs and forwards log records via Syslog protocol (TCP/514) to QRadar SIEM Console IP in near real-time. QMEA's audit log format is automatically recognized by QRadar so there is no need in custom DSM. Supported Microsoft Exchange versions are: 2010 SP1+/2013/2016.

Logs Collection

Initial collect will get audit data for the last 1 hour. You can reset last collect time to start next collect as initial with respective button in configuration window. To minimize potential performance impact for Exchange Server, if last collect time is more than 24 hours ago, the actual audit logs collection will be performed only for the recent 24 hours.

QRadar Native Alternatives

These logs are not available via standard QRadar protocols. Third-party LogBinderEX solution is much more expensive and requires agent installation on target servers.

License

QMEA is a commercial application with a single limitation: non-licensed mode allows only to perform collect once per 6 hours. Continued near-real-time audit logs collection is available only when the proper license is applied. To unlock continuous near real-time monitoring or request a PoC, please contact us at qlean@scnsoft.com. You can also request QRadar Professional Services for assistance.

IBM App Exchange

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QDATA - LDAP Data Enrichment [free]

QDATA LDAP Data Enrichment is a free application by [ScienceSoft](#) that synchronizes the content of QRadar reference sets and tables with information from Active Directory and other LDAP-based storages.

QDATA supports:

- Multiple tasks with either periodic or scheduled synchronization
- Complex LDAP queries
- Advanced configuration
- Per-task statistics
- In-app logging

QDATA is vital for developing rules that depend on specific account type or group of users. Use cases include:

- Someone with Windows administrative account is accessing restricted servers
- Users from HR department are logging in to Sales file server
- Exchange server admin is accessing another person's mailbox
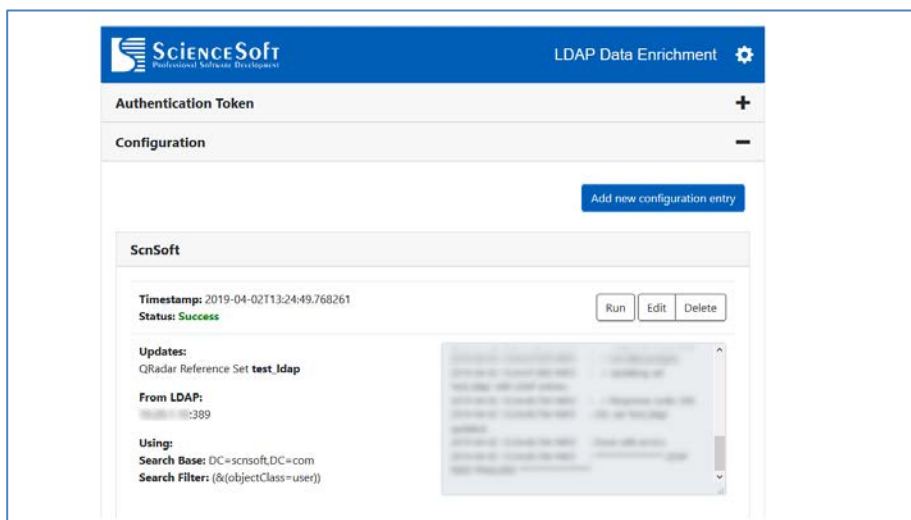
Using a simple flat list with usernames (reference set), it's just a matter of configuring a proper LDAP query in QDATA and adding e.g. "when any of Username are contained in any of Corp_Admin_Accounts" as a rule test.

QRadar Native Alternatives

The official QRadar LDAP extension provides imported data in a format that cannot be used in correlation rules.

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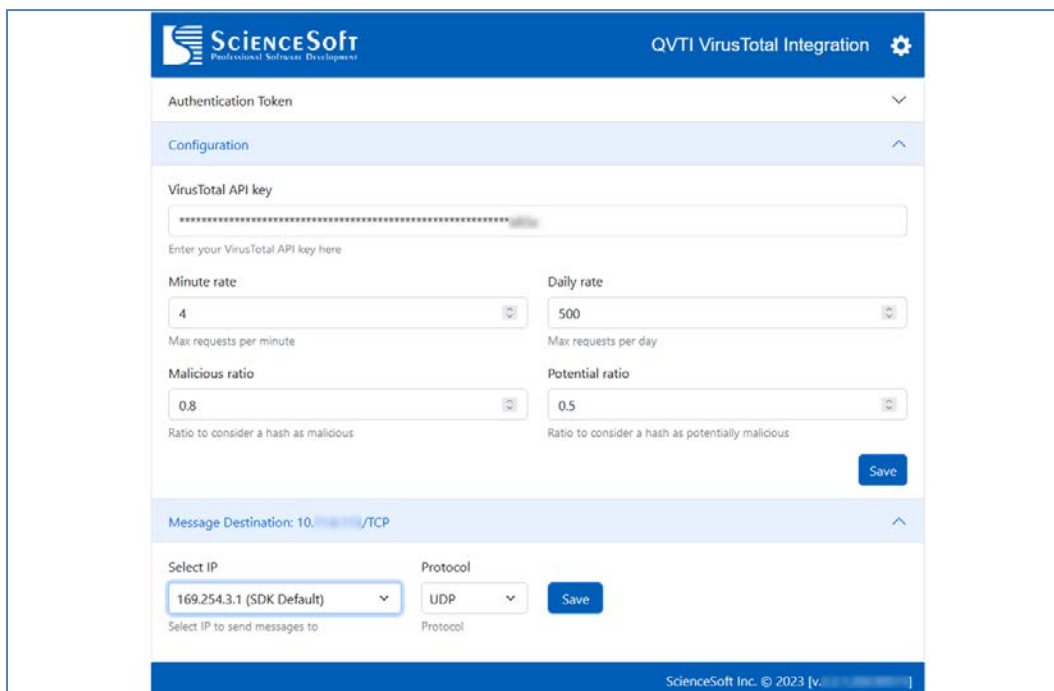https://exchange.xforce.ibmcloud.com/hub/extension/8259e5edf13edc14c430d45a19eedb45

QVTI - VirusTotal Integration for Hash Checking [free]

QVTI Virus Total Integration for IBM Security QRadar SIEM (aka QVTI) is an application for checking software process hashes against VirusTotal DB using VirusTotal public API.

This QRadar extension checks new incoming hashes against VirusTotal DB, stores legitimate hashes to 'clean' Reference Set and generates offenses on malicious ones.

QVTI relies on the log data provided by Sysmon forwarded via WinCollect.

Automatic Sysmon/WinCollect installation and configuration is possible with *QWAD - WinCollect Assisted Deployment* application (see below).

QRadar Native Alternatives

No such functionality in QRadar. Users have to manually extract hashes from payload and upload them to VirusTotal.

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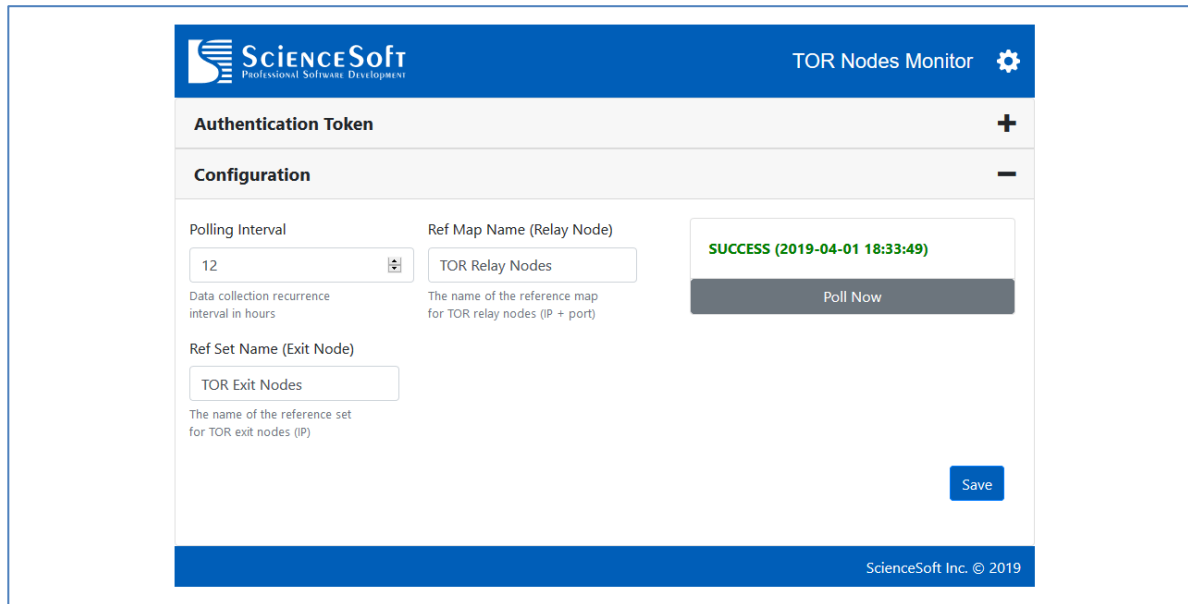
**IBM App Exchange**

https://exchange.xforce.ibmcloud.com/hub/extension/db73ab17547d28409303c2c2583a5160

QTOR – TOR Nodes Monitoring [free]

QTOR TOR Nodes Monitoring is a QRadar app that lets you easily monitor inbound and outbound connection to Darknet via TOR relay and exit nodes.

QTOR requires Internet access to reach https://onionoo.torproject.org website which is used to gather information about active relay and exit TOR nodes

QTOR package contains the following security content:
- QRadar application to poll TOR nodes
- Two custom rules for inbound and outbound TOR connections monitoring (works for both events and flows)

QRadar Native Alternatives

No such functionality in QRadar. Users have to manually extract and search for the required data.

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QMLA - Missing Logs Alert [free]

QMLA Missing Logs Alert is a QRadar app that allows users to easily monitor Log Sources that stopped sending events.

QMLA works at the log source group level and allows to specify timeout values for each log source group individually. This application provides users with comprehensive information about Log Sources that stopped sending events (that includes: Log Source Name, Log Source Type, Log Source Group, the last time events were seen from this Log Source, etc.)
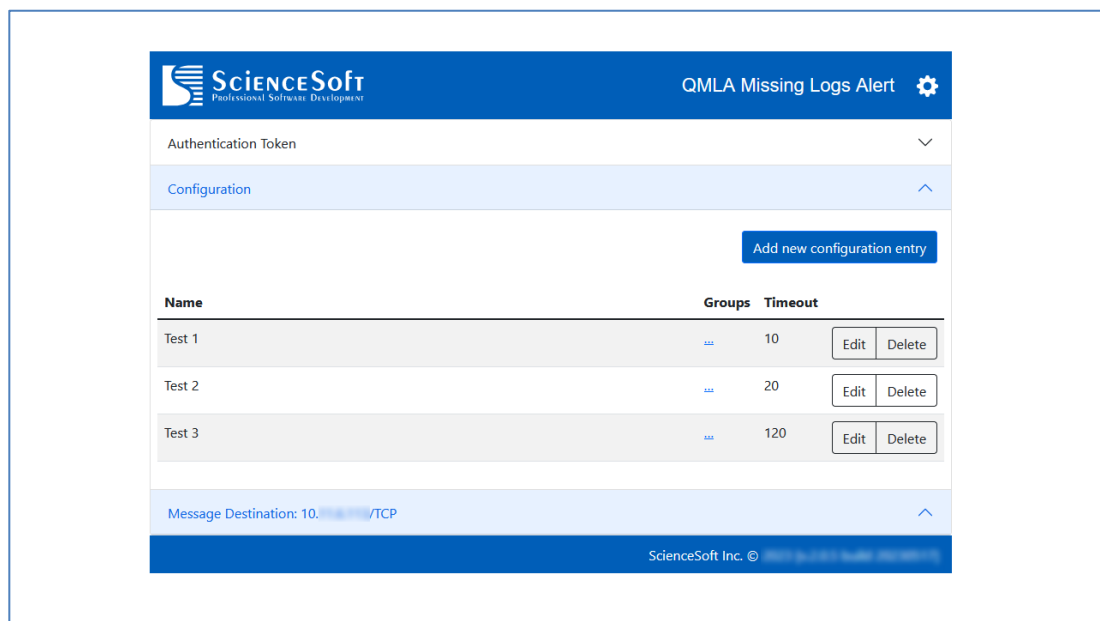
QRadar Native Alternatives

QRadar does allow to notify for Log Source group not sending logs, but requires separate custom rule to be implemented for each group. QRadar native notifications for idle groups do not contain specific Log Source name, so administrator is unable to identify specific log source(s) which are not sending events any more.

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QLSI - Log Source Inventory [free]

QLSI Log Source Inventory is a QRadar app that generates periodical log sources reports in Excel format and sends them by email. QLSI reports are:

- configurable
- include log sources with all possible statuses (OK, in error, warning/timeout, disabled, unknown)
- include all major log source information and a legend
- XLSX formatted - allows sorting and filtering

You can also generate on-demand report and download it from UI. Two timeouts are applicable for each log source: default one (720 minutes) and custom (72h) that will help to differentiate log source inactivity as short-term and long-term.

QRadar Native Alternatives

Log Source Management extension and QRadar reports allows exporting to CSV format which is not quite convenient for analysis and reporting. QLSI report also contains unique information which is not available from standard exports, like EPS values per each log source.

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IBM App Exchange

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QSSA - Slow Search Alert [free]

QSSA Slow Search Alert is a QRadar app developed for sending email notifications when long-lasting searches are detected. Helps administrator to monitor system performance.

QRadar Native Alternatives

No such functionality in QRadar.

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IBM App Exchange

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QOR - Offense Reporter [free]

QOR Offense Reporter is a QRadar app that generates periodical offense reports in Excel formats and sends them by email. Incident Reports are:

- configurable
- report data is separated by domains
- includes all offenses (active, inactive, closed)
- includes closing date, reason, notes, closed-by-user, etc.
- XLSX formatted - allows sorting and filtering

QRadar Native Alternatives

QRadar reports allows exporting offenses to CSV format which is not quite convenient for analysis and reporting. QOR report also contains unique information which is not available from standard exports, like notes, closing reasons, offense rule name, etc.

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IBM App Exchange

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QWAD - WinCollect Assisted Deployment [commercial]

QWAD WinCollect Assisted Deployment is designed to automatically install and configure IBM WinCollect Agent in unmanaged mode.

WinCollect is a Syslog event forwarder that administrators can use to forward events from Windows Event Log to QRadar. With either stand-alone or managed deployment scenario WinCollect can provide an efficient and convenient way to feed log data to SIEM solution, not limited with native Windows audit journals but also most of major Windows services like IIS, DHCP, DNS and others.

Many security architects do realize that integration of the third-party agents into corporate network is not an easy process. Even when all the corporate standards of minor performance impact, code sustainability and supportability are passed, agents still have to be deployed and configured all over the infrastructure. This task requires permanent coordination with operating systems admins, automation tools for deployment, monitoring tools integration, manual interaction for specific log sources configuration on each and every target system, troubleshooting and upgrade policies implementation, and a lot more.

Once installed, IBM WinCollect Assisted Deployment can easily cover following scenarios with this application:

- Deploy WinCollect agent all over the infrastructure*, utilizing different deployment, authentication and host profiles for maximum flexibility;
- Automatically configure all the log source types supported by WinCollect**, and configure custom logs polling;
- Filter out unnecessary events with X-Path;
- Deploy and configure Sysmon along with WinCollect, *easily integrate with VirusTotal*;

- Monitor for agent's status, download remote agent logs for troubleshooting;
- Perform remote upgrade, re-configure agents (detect new Windows services) without re-installation;
- Avoid manual log sources addition to QRadar, all the auto-configured log sources will be auto-detected and appear in QRadar automatically;
- Plan and organize security-related infrastructure separately from operating systems infrastructure;

IBM WinCollect Deployment Assistant App Can be used without any limitations in licensed mode. Non-licensed mode is limited with three (3) target Windows hosts only.

Operating Systems Supported:

- *Microsoft Windows 7*
- *Microsoft Windows 10*
- *Microsoft Windows 2003 Server*
- *Microsoft Windows 2008 Server*
- *Microsoft Windows 2008R2 Server*
- *Microsoft Windows 2012 Server*
- *Microsoft Windows 2012R2 Server*
- *Microsoft Windows 2016 Server*
- *Microsoft Windows 2019 Server*
- *Microsoft Windows 2022 Server*

**Auto-configured Log Source Types:*

- *Microsoft Windows Security Log*
- *Microsoft Windows Application Log*
- *Microsoft Windows System Log*
- *Microsoft Directory Service Log*
- *Microsoft File Replication Service Log*
- *Microsoft Forwarded Event Log*
- *Microsoft SQL Log*
- *Microsoft IIS Log*
- *Microsoft DHCP Logs*
- *Microsoft Exchange: Outlook Web Access events (OWA)*
- *Microsoft Exchange: Simple Mail Transfer Protocol events (SMTP)*
- *Microsoft Exchange: Message Tracking Protocol events (MSGTRK)*
- *Microsoft DNS Debug Logs*
- *XPath Query and Sysmon Logs*
- *Custom Plain-Text Logs*
- *Custom IIS-Formatted Logs*
-

NOTE: QWAD can be installed as a QRadar extension, and you can also request a stand-alone MSI package for installation on a Windows server.

QRadar Native Alternatives

No such functionality in QRadar. All steps must be performed manually which is extremely time consuming.

License

QWAD WinCollect Assisted Deployment is a commercial application available for free with one limitation: non-licensed mode allows to verify status of WinCollect instances and perform deployment actions for three (3) Windows hosts only. In order to obtain a quote for the license or request a PoC, please contact us at qlean@scnsoft.com. You can also request any other QLean App Suite trial licenses and QRadar Professional Services for assistance.

IBM App Exchange

https://exchange.xforce.ibmcloud.com/hub/extension/0cebfe2f0019efc70d565ca75a20e80a

QLED - Log Source EPS Details [free]

QLED Log Source EPS Details is a QRadar app that allow to monitor the number of events (EPS) received by each individual log source and drill-down for details.

QLED does not utilize heavy AQL queries, but requests information from QRadar API, stores EPS statistics data in the local SQLite database and visualizes charts in a new QRadar tab. You can configure the app to store statistics only for the log sources exceeding specific number of EPS. You can also use drill-down functionality to investigate the real cause of EPS spike by clicking any data point on the chart.
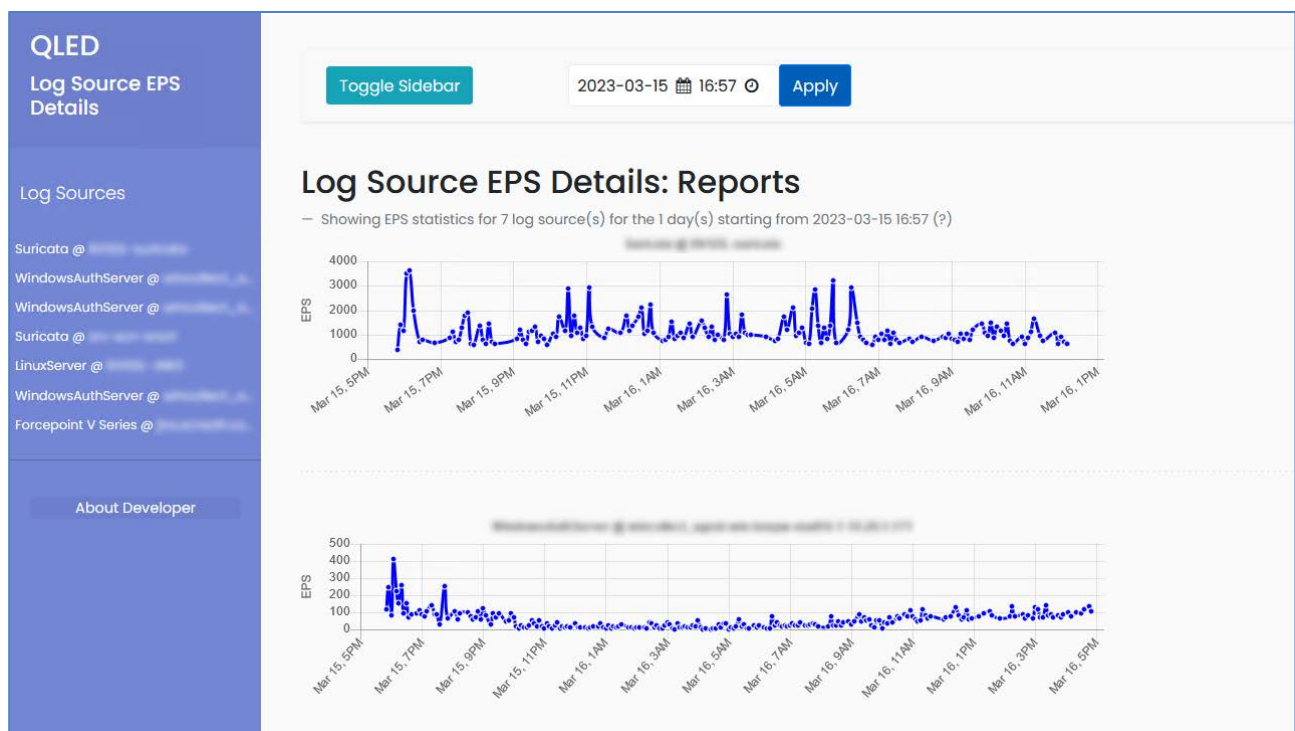
QRadar Native Alternatives

The native Top Log Sources dashboard shows the number of events instead of EPS (conversion/calculation is needed), doesn't allow drilling down to details of specific event types – manual searching is required, and utilizes heavy AQL queries.

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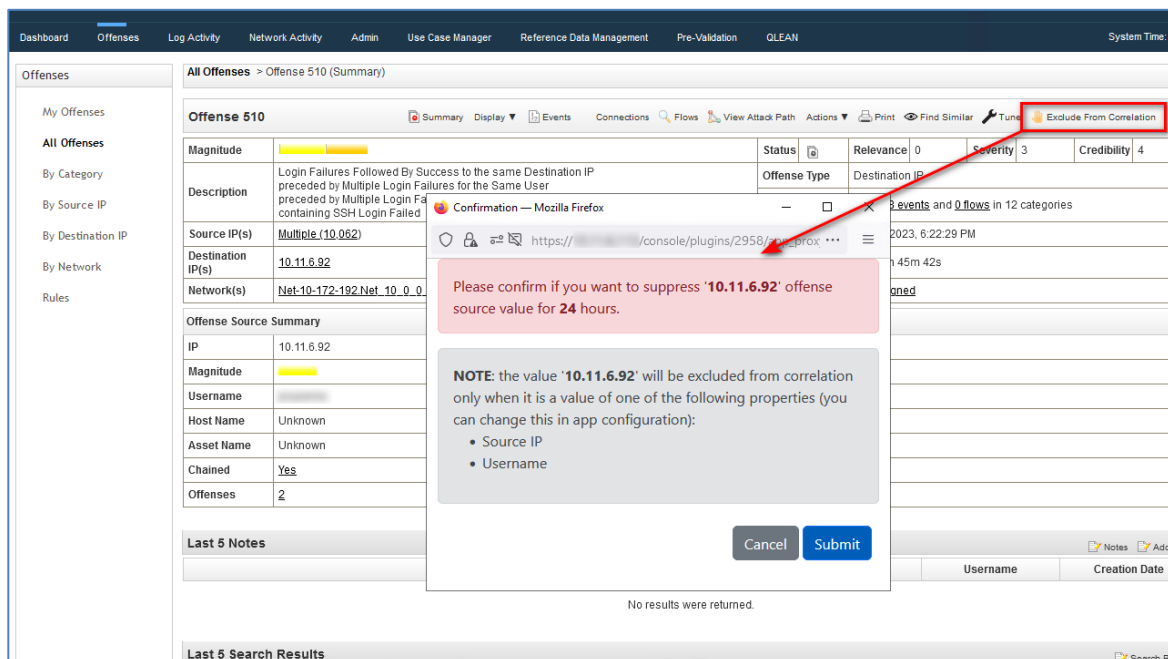
IBM App Exchange

https://exchange.xforce.ibmcloud.com/hub/extension/9f8012353698403fadebd4f7f3a6716c

QEFC - Exclude From Correlation [free]

QEFC Exclude From Correlation is a QRadar app that adds a new button for offense details page that allows you to *temporary whitelist* offense source value (send it to special reference set) with a single click. Once added to the reference set, this particular offense source value (IP address, username, custom property, etc.) will be whitelisted for configurable amount of time (24 hours by default).

One of the possible usage scenarios is when security response team is already identified a compromised host or username, and want to avoid further notifications from this source till the asset is not fully recovered.

In order to make this solution work you will need to manually add 'OFFENSE.WHITELISTING: Event Marked False Positive' rule to the 'FalsePositive: False Positive Rules and Building Blocks' rule test. Detailed explanation of required configuration steps is available in app configuration page (check Admin tab after QEFC installation).

QRadar Native Alternatives

No such functionality. Analysts must manually change all rules that might trigger on the required property.

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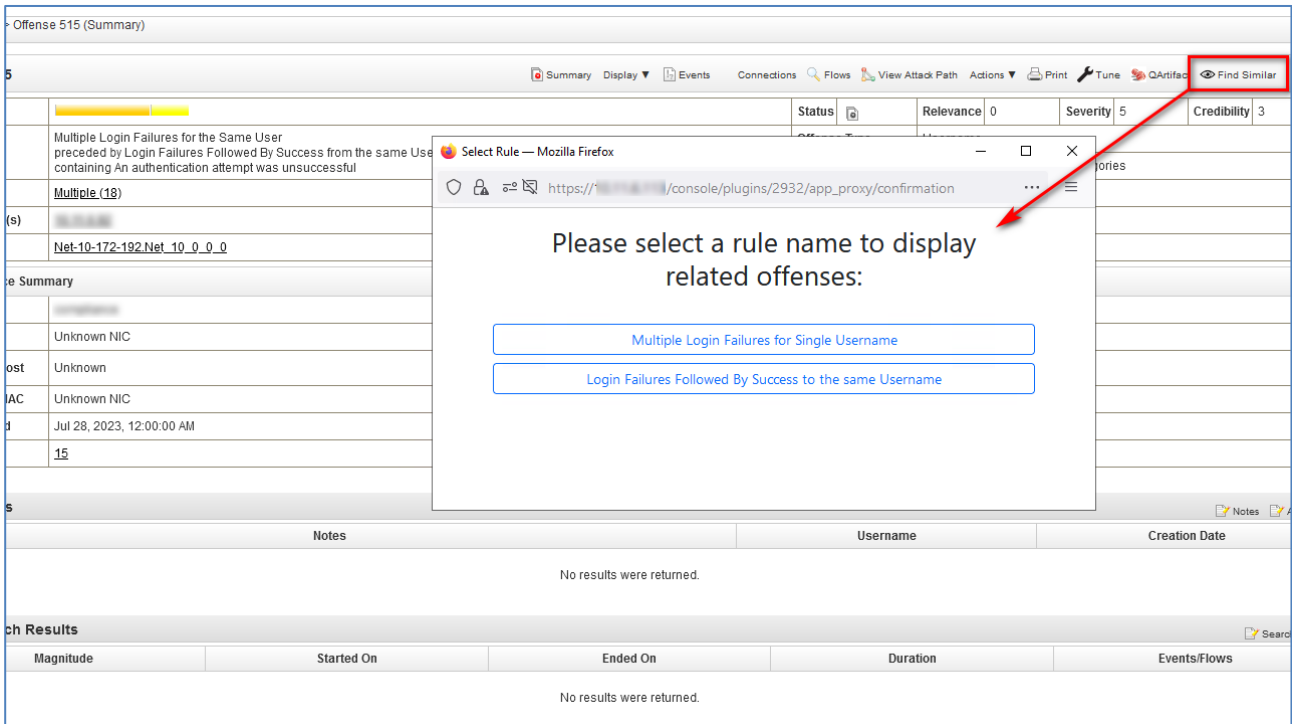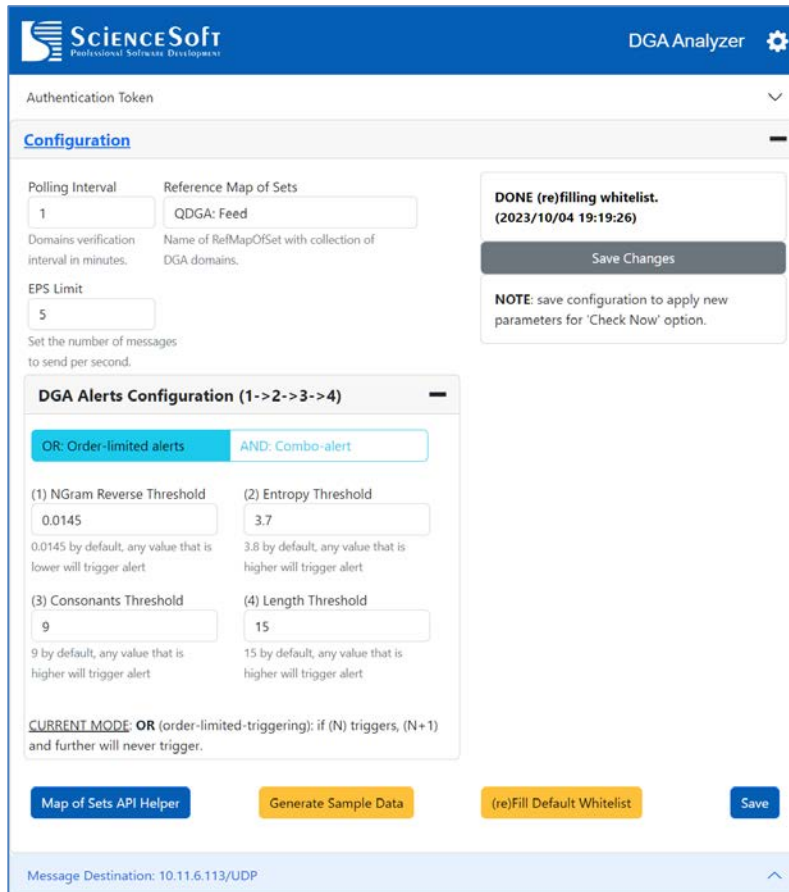
QFSO - Find Similar Offenses [free]

QFSO Find Similar Offenses is a QRadar app that adds a new button for offense details page that will open a new window with all similar offenses (generated by the same rule). When several rules are contributed to the offense, user will be given an option to select specific rule.

Such a solution can be useful to speed-up investigations and tuning.

QRadar Native Alternatives

No such functionality. Analysts have to manually search for similar offenses.

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IBM App Exchange

https://exchange.xforce.ibmcloud.com/hub/extension/17d11f13e5d7aee9c84b2d2898d08989

QDGA - DGA Analyzer [free]

QDGA DGA Analyzer is a QRadar app that includes rules and reference sets and serves as a collector of "bad" domains that were created by Domain Generation Algorithms. Using a special rule, domains will be put to a selected Reference Set from the specified log sources. Then, QDGA processes and filters collected domains by a trained neural network and, in cases DGA is detected, will mark it and alert users by Offense.

QRadar Native Alternatives

DGA processing is available in QRadar DNS Analyzer application. QDGA is a lightweight alternative to that application.

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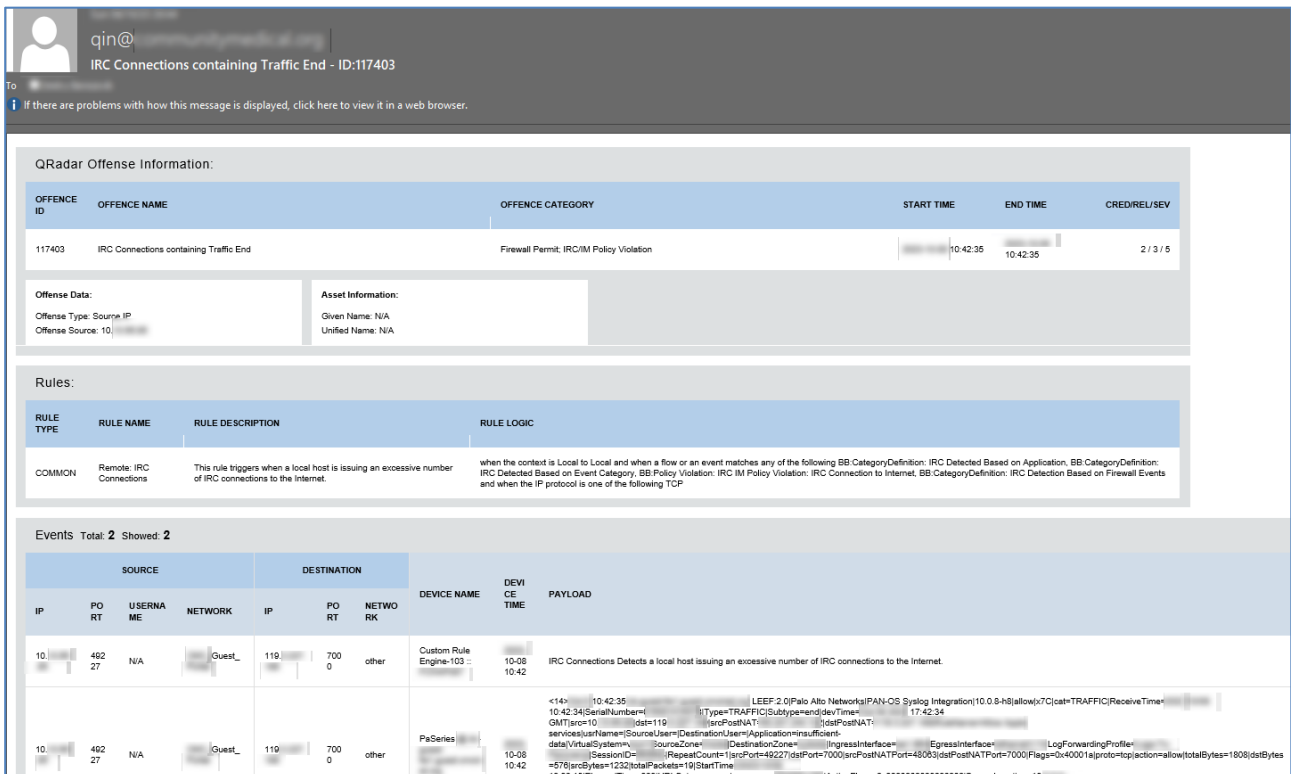*Coming soon*: https://exchange.xforce.ibmcloud.com/hub?q=sciencesoft&ippr=64

QIN - Incident Notifier [commercial]

The main purpose of any SIEM systems is to be aware of any security incidents that have just happened as soon as possible. IBM QRadar SIEM does its best parsing and correlating events from all kind of sources and creating offenses whenever any security incident happens. There are out-of-the-box mechanisms, such as GUI and email notifications, that allow QRadar to notify security analysts about offenses. While out-of-the-box email notifications work fine, they still lack some flexibility and require some technical knowledge to create or edit an email template. In addition, using vanilla QRadar, you can't assign an offense to a specific analyst based on its type or content.

QRadar Incident Notifier allows you to perform these tasks in a simple way and moreover it allows you to configure notifications to be send not only via email, but also using:

- Twilio SMS
- Telegram
- Slack
- MS Teams
- Jira
- Skype

QRadar Incident Notifier uses rules to make decisions on where and how to send notifications and to assign offenses to analysts, as well as templates to determine the amount of information to be included into the message. Every rule is based on a regex that can be applied to offense description, name of the rule that has triggered the offense, offense category or the actual payload of related events and/or flows. Integrated Rule Manager and Template Editor make it really easy to configure the app.

QRadar Native Alternatives

Out-of-the-box QRadar offense notification mechanism is limited and does not allow to assign offenses; email template modification requires root access and does not support HTML tags. Native email notification can't send offense ID and event details at the same notification, no option to include several related events/flows, rule(s) details and asset information.

License

QIN is a commercial application and requires a license to operate. In order to obtain a quote for the license or request a PoC, please contact us at qlean@scnsoft.com. You can also request any other QLean App Suite trial licenses and QRadar Professional Services for assistance.

IBM App Exchange

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QArtifact [commercial] – coming soon

QArtifact is a QRadar extension that enhances offense investigations by allowing security analyst to attach evidences (artifacts) like files, images and links to offenses.

QRadar Native Alternatives

No such functionality – only text notes can be attached to offenses.

License

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IBM App Exchange

Coming soon: https://exchange.xforce.ibmcloud.com/hub?q=sciencesoft&ippr=64

Addon 1: MITRE for QRadar

- MITRE ATT&CK for Windows:
  https://exchange.xforce.ibmcloud.com/hub/extension/54490632a4d2b3053330da0a7a079e12

- MITRE ATT&CK for Linux (new version *coming soon*):
  https://exchange.xforce.ibmcloud.com/hub/extension/79d1dd8735f00396a524e4fa7d361a51

Addon 2: Custom DSM

- Kubernetes Integrity Monitoring:
  https://exchange.xforce.ibmcloud.com/hub/extension/b861d171bb69cbf483af1dabd50c23ef

Addon 3: Coming Soon

- QDLA Dynamic License Allocator
- WarnApp QRadar warning app
- QLAD Linux Assisted Deployment

https://qlean.io/#appsuite

For more information please contact: qlean@scnsoft.com