

IBM Security QRadar
Version 7.2.1

SSL certificate replacement



Note: Before using this information and the product that it supports, read the information in [Notices and Trademarks](#) on [page 3](#).

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QRADAR SSL CERTIFICATE REPLACEMENT

By default, IBM® Security QRadar® provides an untrusted SSL certificate. You can replace the untrusted SSL certificate with a self-signed or trusted certificate.

Unless otherwise noted, all references to QRadar refer to QRadar SIEM, IBM Security QRadar Log Manager, and IBM Security QRadar Network Anomaly Detection. References to flows do not apply to QRadar Log Manager.

Understanding SSL certificates

Secure Sockets Layer (SSL) is a security protocol that provides communication privacy. With SSL, client/server applications can communicate in a way that is designed to prevent eavesdropping, tampering, and message forgery.

SSL is an industry standard and is used by websites to protect online transactions. To generate an SSL link, a web server requires an SSL certificate. SSL certificates are issued by software or trusted third-party certifying authorities.

Trusted root

Browsers and operating systems include a preinstalled list of trusted certificate authorities, known as the Trusted Root CA (certificate authority) store. To establish SSL connections between the browser and the QRadar Console, QRadar trusts any certificate that is issued, directly or indirectly, from a trusted root CA in the web browser or Java™ keystore.

SSL Connections between QRadar components

To establish all internal SSL connections between components, QRadar does not trust certificates that are issued by a recognized authority. Instead, you must use the web server certificate that is pre-installed on the QRadar Console.

Replacing the default QRadarSSL certificate

You can replace the untrusted SSL certificate with either a self-signed certificate or a certificate that is issued by a trusted third-party certificate authority.

SSL certificates that are issued from some vendors, such as VeriSign, require an intermediate certificate. You must download the intermediate certificate from the vendor and use it during the configuration.

Procedure

Step 1 Obtain a certificate from a trusted certificate authority.

Step 2 Using SSH, log in to your QRadar SIEM Console as the root user.

Step 3 Type the following command:

```
/opt/qradar/bin/install_ssl_cert.sh -i
```

Step 4 Type the directory path for your private key file.

Attention: Do not encrypt the private key when you install or replace an SSL certificate.

Step 5 If you are using an intermediate certificate:

a Type the directory path for your public key file.

b Type the directory path for your intermediate certificate.

Step 6 To continue, type **y** and press Enter.

Step 7 To restart the host context process on all non-Console systems in your deployment, type the following command:

```
service hostcontext restart
```

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NOTICES AND TRADEMARKS

What's in this appendix:

- [Notices](#)
- [Trademarks](#)

This section describes some important notices, trademarks, and compliance information.

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