

IBM QRadar
Version 7.3.3

Community Edition



Note

Before you use this information and the product that it supports, read the information in [“Notices” on page 5](#).

Product information

This document applies to IBM® QRadar® Security Intelligence Platform V7.3.3 and subsequent releases unless superseded by an updated version of this document.

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Chapter 1. QRadar Community Edition Overview

IBM QRadar Community Edition is a free version of IBM QRadar intended for individual use, and is released without a warranty.

IBM QRadar Community Edition provides many of the same capabilities as QRadar with a license for 50 events per second and 5,000 flows per minute.

Anyone can download and try QRadar Community Edition for free. Download Community Edition if:

- You are a SOC analyst who wants to see whether an integrated security analytics platform is a good fit for your organization.
- You are a developer who is creating QRadar apps, and you need an environment where you can test apps without affecting your production QRadar system.
- You are a QRadar user who needs to test and validate new use cases without affecting your production QRadar system.

The following table shows the features that are supported in QRadar Community Edition:

Capability	QRadar SIEM	QRadar Community Edition
Full administrative capabilities	Yes	Yes
Customizable dashboards	Yes	Yes
Custom rules engine	Yes	Yes
Manage network and security events	Yes	Yes
Manage host and application logs	Yes	Yes
Threshold-based alerts	Yes	Yes
Compliance templates	Yes	Yes
Data archiving	Yes	Yes
Network activity monitoring	Yes	Yes
Asset profiling	Yes	Yes
Offenses management	Yes	Yes
Network flow capture and analysis	Yes	Yes
Auto-updates	Yes	Yes
IBM Security X-Force® Threat Intelligence IP reputation feed integration	Yes	Yes
Historical correlation	Yes	No
Offline forwarding	Yes	No
QRadar Vulnerability Manager	Yes	No
QRadar Risk Manager integration	Yes	No
QRadar Incident Forensics integration	Yes	No
QRadar Network Insights integration	Yes	No
High Availability	Yes	No

Capability	QRadar SIEM	QRadar Community Edition
Uploading a license	Yes	No
Software upgrades	Yes	No

For help with QRadar Community Edition, visit the [developerWorks forum](https://ibm.biz/qradarceforums) (https://ibm.biz/qradarceforums).

Installing QRadar Community Edition

Install IBM QRadar Community Edition in a virtual machine. Community Edition is based on QRadar V7.3.3.

Before you begin

Note: QRadar Community Edition can't be installed in a Docker container.

Procedure

- Download the QRadar Community Edition OVA file from [IBM Developer](https://developer.ibm.com/qradar/ce/) (https://developer.ibm.com/qradar/ce/).
- Create a virtual machine with the OVA file that meets the following requirements:
 - Minimum: 8 GB RAM

Note: You need 10 GB or more if you are using X-Force tests or Ariel queries. You need more RAM for some apps. Apps get 10% of available RAM, and this is divided between all apps.
 - Minimum 250 GB disk space
 - Minimum 2 CPU cores

Note: For optimal performance, you need a minimum of 6 CPU cores if you are using X-force tests. You need a minimum of 8 CPU cores if you are using Ariel queries with X-force data.
 - You need at least one network adapter with access to the internet. Your system must have internet access, or QRadar Community Edition installation fails.

Note: If you are using a locally hosted virtual machine with a local IP address, you must forward port 8444 to port 443 to access QRadar in a web browser. Forward port 2222 to port 22 to use ssh to connect to QRadar.
 - You need static public and private IP addresses for QRadar Community Edition.
 - The hostname must be a fully qualified domain name and cannot exceed 63 characters in length.
- Log in as the `root` user and enter a password.
- Start the set up process by typing the following command:

```
./setup
```
- Press Enter to accept the CentOS end user license agreement (EULA).
- Accept the QRadar Community Edition EULA.
 - Press Space to advance through the EULA screen.
 - Press q to be prompted to accept the EULA.
 - Press Enter to accept the EULA.
- Press Y to continue set up.
- Enter a password for the admin account. Set a strong password that meets the following criteria:

- Contains at least 5 characters
 - Contains no spaces
 - Can include the following special characters: @, #, ^, and *.
9. Restart the appliance by typing the following command:

```
reboot
```

10. Log in to QRadar Community Edition user interface as the admin user and accept the EULA.

Access QRadar Community Edition in a web browser at https://<ip_address>/console. If you are using a locally hosted virtual machine with a local IP address, access QRadar Community Edition in a web browser on your host system at https://<ip_address>:8444/console.

What to do next

See [“Getting Started with QRadar Community Edition”](#) on page 3.

Getting Started with QRadar Community Edition

Depending on who you are, there are next steps to take:

- If you're a SOC analyst, you need to feed data into QRadar Community Edition.
 - See [“Getting events from sources that are not supported by the default installation”](#) on page 3.
- If you're a developer, you need to understand the QRadar app framework.
 - See QRadar App Development on [IBM developerWorks](https://developer.ibm.com/qradar/) (<https://developer.ibm.com/qradar/>) to download the QRadar SDK.
 - Check out information about QRadar apps (https://www.ibm.com/support/knowledgecenter/SS42VS_7.3.3/com.ibm.appfw.doc/c_appframework_Extintro.html).
- If you're a user, you need to get an overview of how QRadar works.
 - Check out the Getting Started topics in the [Knowledge Center](https://www.ibm.com/support/knowledgecenter/SS42VS_7.3.3/com.ibm.qradar.doc/c_qradar_oview.html) (https://www.ibm.com/support/knowledgecenter/SS42VS_7.3.3/com.ibm.qradar.doc/c_qradar_oview.html).
 - Watch some QRadar videos, and see other training material in the [IBM Security Learning Academy](https://www.securitylearningacademy.com/local/navigator/index.php?level=sisi01) (<https://www.securitylearningacademy.com/local/navigator/index.php?level=sisi01>).

Getting events from sources that are not supported by the default installation

To monitor events from software, devices, or appliances that aren't supported by the default installation of IBM QRadar Community Edition, you must install a DSM (Device Support Module).

About this task

A *Device Support Module (DSM)* is a code module that parses received events from multiple log sources and converts them to a standard taxonomy format that can be displayed as output. Each type of log source has a corresponding DSM.

The *IBM QRadar DSM Configuration Guide* (http://public.dhe.ibm.com/software/security/products/qradar/documents/iTeam_addendum/b_dsm_guide.pdf) lists the DSMs that are supported in QRadar. Only a few of the available DSMs are included by default in QRadar Community Edition, but you can add others.

The following DSMs are included by default in QRadar Community Edition:

- DSM-AssetProfiler
- DSM-BluecoatProxySG
- DSM-IBMCustomDSM

- DSM-IBMHealthMetrics
- DSM-IBMSense
- DSM-GNULinuxServer
- DSM-McAfeeIntrushield
- DSM-MicrosoftWindows
- DSM-OracleDbAudit
- DSM-PaloAltoPaSeries
- DSM-SearchResults
- DSM-SIMNotification
- DSM-SIMAudit
- DSM-SIMGenericLog
- DSM-SIMUniversal
- DSM-SourceFireSnort
- DSM-STEALTHbitsStealthINTERCEPT
- DSM-SymantecEndpointProtection
- DSM-UniversalCEF
- DSM-UniversalLEEF
- PROTOCOL-IBMSIMJDBC
- PROTOCOL-JDBC
- PROTOCOL-JdbcSophos
- PROTOCOL-LEA
- PROTOCOL-LogFileProtocol
- PROTOCOL-TCPSyslog

Procedure

1. Mount the QRadar Community Edition ISO by using the following command:

```
sudo mount -o loop /opt/ibm/cloud/iso/QRadarCE2019.14.0.20191031163225.GA.iso /media/cdrom
```

2. Go to the /media/cdrom/post/dsmrpms directory by using the following command:

```
cd /media/cdrom/post/dsmrpms
```

3. Type the following command, where *<rpm_filename>* is the name of a DSM that you want to install:

```
yum -y install <rpm_filename>
```

4. Log in to the QRadar Community Edition user interface.
5. On the **Admin** tab, click **Deploy Changes**.
6. On the **Admin** tab, select **Advanced** > **Restart Web Server**.

What to do next

See the [IBM QRadar DSM Configuration Guide](#) to help you add a log source.

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