How to Install IBM QRadar CE v7.3.1 on VirtualBox

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In this guide, we are going to learn how to install IBM QRadar CE v7.3.1 on VirtualBox. The QRadar Community Edition v7.3.1 is the latest release that comes with new and improved features such as;

- Support for IBM Security X-Force Threat Intelligence which provides IP reputation data for users
- Password policy updates
- Updated user interface
- New Event Collection service that reduces downtime
- Pre-installed Microsoft Windows Security Event Log (DSM)
- IPv6 improvements
- Support for New API endpoints
- Based upon CentOS/RHEL 7.5 operating system

As with the new features, the system requirements for installation have also been updated;

- Minimum of 6GB RAM
- At least 110GB free disk space
- At least one Network Interface card with internet access
- Minimum of 2 CPU cores

We covered the installation of the QRadar CE v7.3.0 in our previous guide.

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Prerequisites

Before you can proceed to install QRadar CE v7.3.1 on VirtualBox, ensure that you have setu CentOS/RHEL 7.5 using a minimal ISO that meets the above minimum system requirements.


```
cat /etc/*release
```

```
...
CentOS Linux release 7.5.1804 (Core)
NAME="CentOS Linux"
VERSION="7 (Core)"
...
```

Assuming you that your CentOS/RHEL 7.5 server already complies to the above system requirements, download QRadar CE v7.3.1 installation medium. Note that you need to regist with IBM for you to be able to download the QRadar installation ISO. Hence, you can get the download link. You can simply use wget command to pull the iso once you get the download

```
wget https://URL/TO/QRadarCE7_3_1.GA.iso -P /tmp
```

If you are not downloading directly to the server where installation will happen, then you nee copy the downloaded ISO to `/tmp` directory of your CentOS/RHEL 7.5 server.

```
scp /download/path/to/QRadarCE7_3_1.GA.iso user@yourcentosserver:/tmp
```

The QRadar CE v7.3.1 ISO should now available on the `/tmp` directory.

```
ls /tmp/*.iso
/tmp/QRadarCE7_3_1.GA.iso
```

System Update

Well it is a good idea to update and upgrade your CentOS/RHEL 7.5 server system packages. Therefore login to your server and run the commands below;

```
yum update
yum upgrade
```

Disable SELinux

Before you can launch the installation of QRadar CE, disable SELinux by running the commar below;

```
sed -i 's/=enforcing/=disabled/' /etc/selinux/config
```

Reboot your server to effect the SELinux changes.

```
systemctl reboot -i
```

Mount QRadar CE ISO

In order to run the installation script, you need to mount the ISO. Hence, ensure that you ha the mount point before running the mount command.

```
mkdir /mnt/qradarce
```

Run the mount command below to mount the QRadar CE v7.3.1 ISO on `/mnt/qradarce` .

```
mount -o loop /tmp/QRadarCE7_3_1.GA.iso /mnt/qradarce/
```

Install QRadar CE v7.3.1

To install QRadar CE, run the setup command as shown below;

```
/mnt/qradarce/setup
```

Note that the setup command is available on the ISO mount point which might be different fr
the one used in this guide.

Once the setup begins, scroll through the EULA and accept it and confirm the installation of
QRadar CE v7.3.1 in order to proceed with installation.

```
...
Do you accept this license agreement (yes or no)? yes
About to install QRadar Community Edition version 7.3.1.20180723171558
Do you wish to continue (Y/[N])? Y
```

If your system passes the necessary checks, the installation will proceed without a hitch.
However, if you are prompted to reboot your system so as to apply a kernel update, please d
so.

After the system has come up, remount ISO and re-run setup as shown above.

The installation will take a bit of some time. If everything goes well, you should see an outpu
stating the initial configuration is complete.

```
Initial configuration of 'QRadar Community Edition' console is now complete.

You are now ready to connect to the interface.

Press ENTER to complete Installation.
qradar_netsetup.py: End: 0
OK: Installed QRadar Community Edition version 7.3.1.20180723171558.
Recording currently installed RPM list: done.
If you have not set an admin password, set one now with "sudo /opt/qradar/sup
```

As stated, press Enter to complete the installation.

Set the Admin Password

After the installation, you are provided with a script to set the admin password. Run the scrip
set the password.

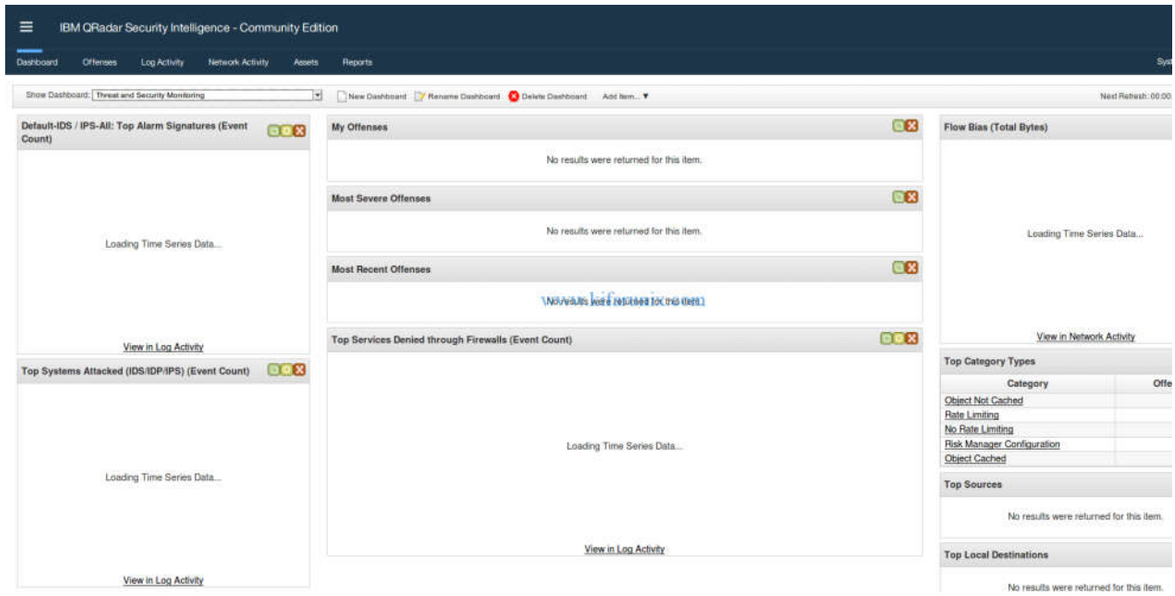
```
sudo /opt/qradar/support/changePasswd.sh -a

Please enter the new admin password.
Password: P@SSWORD
Confirm password: P@SSWORD
The admin password has been changed. Please restart tomcat, login to the UI,
```

After that, restart Tomcat and proceed to login to your QRadar web interface.

```
systemctl restart tomcat
```

To access the QRadar UI, navigate to the browser and enter the address `https://<qradar-server>/console` . Add the SSL warning to exceptions and proceed to QRadar new login interface.

Login as admin user with the password you set above. If asked to reset the password, please so and continue. Accept the EULA and proceed to QRadar Community Edition v7.3.1 dashboa



Magnificent, that is all about how to Install IBM QRadar CE v7.3.1 on VirtualBox. You are nov ready to explore the full this beast. Enjoy.

Amos Mibey

I am the Co-founder of Kifarunix.com, Linux and the whole FOSS enthusiast, Linux System Admin and a Blue Teamer who loves to share technological tips and hacks with others as a w of sharing knowledge as: "In vain have you acquired knowledge if you have not imparted it t others".