

Installing ExtremeCloud IQ – Site Engine on Red Hat 8.3

Tech Note

Abstract: This document describes recommendations regarding the installation ExtremeCloud IQ – Site Engine on the Red Hat.

Published: May 2021

Extreme Networks, Inc.
145 Rio Robles
San Jose, California 95134
Phone / +1 408.579.2800
Toll-free / +1 888.257.3000
www.extremenetworks.com

Installing the Operating System

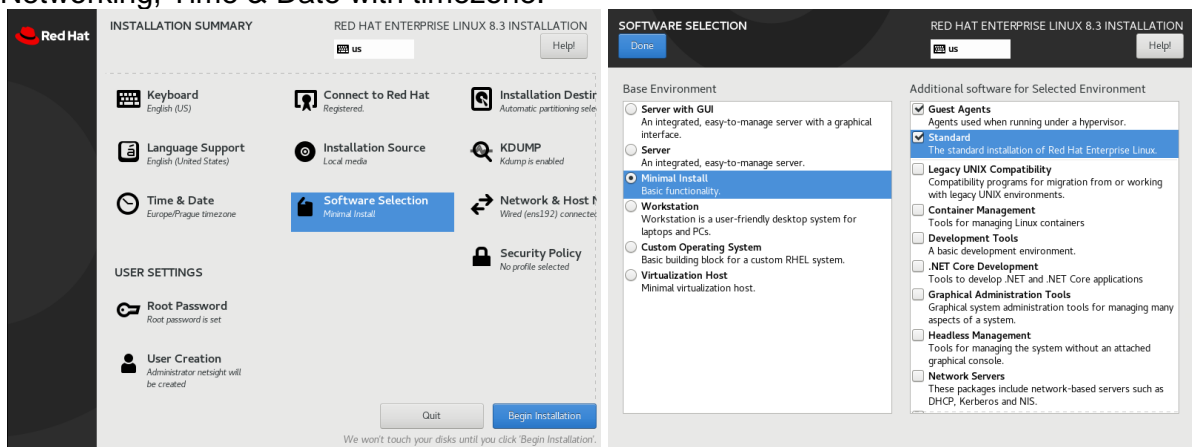
The ExtremeCloud IQ – Site Engine requires just basic OS support. There is no need for GUI. Following services are included in the ExtremeCloud IQ – Site Engine and should not be installed with the operating system:

- MySQL
- TFTP

Following services needs to be delivered by OS:

- Syslog
- Time
- VMware tools (if running on VMware)
- IPv4
- IPv6 (if IPv6 should be used)
- DNS

During the installation wizard, it is suggested to chose Minimal Install, configure Networking, Time & Date with timezone.



The best practice is to use other than root account for the ExtremeCloud IQ – Site Engine application to run. The OS installation wizard allows the creation of a user account. Running the ExtremeCloud IQ – Site Engine under the root account will work also.

Tuning the Operating System for ExtremeCloud IQ – Site Engine

The following additional packages are helpful:

```
sudo yum install net-snmp-utils
sudo yum install net-snmp
```

The snmpd should be enabled, started and configured.

```
systemctl enable snmpd
sudo nano /etc/snmp/snmpd.conf
systemctl start snmpd
```

Feature SELinux needs to be disabled. One of the options to accomplish that is to modify the config file by:

```
sudo nano /etc/selinux/config
```

Verify the status of SELinux (a reboot may be required):

```
sestatus
SELinux status:                disabled
```

Enable syslog service to receive messages by modifying the config file:

```
sudo nano /etc/rsyslog.conf
```

uncomment following lines:

```
module(load="imudp")
input(type="imudp" port="514")
module(load="imtcp")
input(type="imtcp" port="514")
```

restart of the service may be required:

```
sudo systemctl restart rsyslog
```

Modify the firewall settings:

```
sudo firewall-cmd --zone=public --add-port=8080/tcp
sudo firewall-cmd --zone=public --permanent --add-port=8080/tcp
sudo firewall-cmd --zone=public --add-port=8443/tcp
sudo firewall-cmd --zone=public --permanent --add-port=8443/tcp
sudo firewall-cmd --zone=public --add-port=162/udp
sudo firewall-cmd --zone=public --permanent --add-port=162/udp
sudo firewall-cmd --zone=public --add-port=514/udp
sudo firewall-cmd --zone=public --permanent --add-port=514/udp
sudo firewall-cmd --zone=public --add-port=514/tcp
sudo firewall-cmd --zone=public --permanent --add-port=514/tcp
sudo firewall-cmd --zone=public --add-service=tftp
sudo firewall-cmd --zone=public --add-service=tftp --permanent
```

Installing the ExtremeCloud IQ – Site Engine

Change attributes of the install file:

```
chmod 700 ExtremeCloudIQSiteEngine_<version>_64bit_install.bin
```

Execute the install file without GUI support (`--user` can be added to define a user for the main process):

```
sudo ./ExtremeCloudIQSiteEngine_<version>_install.bin --cli --user  
netsight
```

Monitor the progress of the installation, you may need to answer questions during the install.

When there is a repeating message `INFO BasePanel:55 - Waiting for:`

`Installation Complete - Database has started and Server is Not Started,`
check the `server.log`. (use other terminal/session, e.g. `less`

`/usr/local/Extreme_Networks/NetSight/appdata/logs/server.log)`. **If there is**
`ERROR [org.jboss.msc.service.fail] MSC000001: Failed to start service`
`jboss.network.public: org.jboss.msc.service.StartException in service`
`jboss.network.public: WFLYSRV0082: failed to resolve interface public`
then modify the `jboss.bind.address` variable in `NSJBoss.properties` and restart the
nsserver process (e.g.

```
nano /usr/local/Extreme_Networks/NetSight/appdata/NSJBoss.properties  
systemctl restart nsserver)
```

The install process is finished, and the prompt is returned with the following message:

```
WARN BaseInstallUninstall:335 - Exiting. Process completed normally.
```

Additional resources

Firewall settings:

https://emc.extremenetworks.com/content/oneview/r_used_ports.html

Memory settings:

<https://extremeportal.force.com/ExtrArticleDetail?an=000079321>

Release Notes:

<https://www.extremenetworks.com/support/release-notes/>