

Sentinel 8.4 Release Notes

December 2020

Sentinel 8.4 resolves several previous issues and also adds a few new features.

Many of these improvements were made in direct response to suggestions from our customers. We thank you for your time and valuable input. We hope you continue to help us ensure that our products meet all your needs. You can post feedback in the [Sentinel forum](#), our online community that also includes product information, blogs, and links to helpful resources. You can also share your ideas for improving the product in the [Ideas Portal](#).

The documentation for this product is available in HTML and PDF formats on a page that does not require you to log in. If you have suggestions for documentation improvements, click the comment icon on any page in the HTML version of the documentation posted at the [Sentinel Documentation](#) page. To download this product, see the [Product Download](#) website.

IMPORTANT: The Scalable Storage feature will be discontinued from the next version of Sentinel.

- ◆ [“What’s New?” on page 1](#)
- ◆ [“System Requirements” on page 3](#)
- ◆ [“Installing Sentinel 8.4” on page 3](#)
- ◆ [“Upgrading to Sentinel 8.4” on page 3](#)
- ◆ [“Known Issues” on page 3](#)
- ◆ [“Contacting Micro Focus” on page 10](#)
- ◆ [“Legal Notice” on page 10](#)

What’s New?

The following sections outline the key features provided by this version, as well as issues resolved in this release:

- ◆ [“Role-Based Access Control \(RBAC\) and Multi-tenancy for Visualization Dashboard” on page 2](#)
- ◆ [“Enhanced Security in Sentinel to Elasticsearch Communication” on page 2](#)
- ◆ [“Node-to-Node Encryption Between Elasticsearch Nodes” on page 2](#)
- ◆ [“Ability to Add Descriptions for All Dynamic List Entries” on page 2](#)
- ◆ [“Operating System \(OS\) Versions” on page 2](#)
- ◆ [“Software Fixes” on page 3](#)

Role-Based Access Control (RBAC) and Multi-tenancy for Visualization Dashboard

From the 8.4.0.0 version of the Sentinel, Role-Based Access Control (RBAC) and multi-tenancy are supported for the visualization features in the Sentinel. With the RBAC, you can provide the right access to the right users based on their permission level for accessing the visualization features. The multi-tenancy in the visualization provides greater flexibility for tenants by letting them control their dashboards or visualizations.

Enhanced Security in Sentinel to Elasticsearch Communication

From the 8.4.0.0 version of the Sentinel, Elasticsearch is enabled with X-Pack security plug-in by default. X-Pack is an Elastic Stack extension that provides security and many other capabilities. From the 8.4.0.0 release, Sentinel provides secure communication between Sentinel and Elasticsearch as well as between Elasticsearch nodes, out of the box.

Node-to-Node Encryption Between Elasticsearch Nodes

Now, **node-to-node encryption** is also enabled in Elasticsearch by default. It prevents potential attackers from intercepting traffic between Elasticsearch nodes and keeps the cluster secure always and it helps to reduce the risk from network-based attacks.

Ability to Add Descriptions for All Dynamic List Entries

Now you can add an optional **Description** for all the **Dynamic List** entries. However, the description should not exceed 255 characters.

Operating System (OS) Versions

Traditional installation: Sentinel is now certified on the following platforms:

- ◆ SUSE Linux Enterprise Server (SLES) 15 SP2
- ◆ Red Hat Enterprise Linux (RHEL) 7.8
- ◆ Red Hat Enterprise Linux (RHEL) 7.9
- ◆ Red Hat Enterprise Linux (RHEL) 8.2

Deprecated OS: Following OS are now deprecated since SUSE and RHEL removed support for these OS:

- ◆ SLES 15
- ◆ RHEL 6.X
- ◆ RHEL 7.2 to 7.5
- ◆ RHEL 8.0

Software Fixes

Sentinel 8.4 includes software fixes that resolve the following issues:

- ◆ [“Error while Running a Backup on Sentinel 8.3.1” on page 3](#)

Error while Running a Backup on Sentinel 8.3.1

Issue: Error message `Unable to get the authorization token. Verify the username and password and run the scripts again` is displayed while running a backup on Sentinel 8.3.1. (Bug 112004)

Fix: Now the backup script executes the task properly.

System Requirements

For more information about hardware requirements, supported operating systems, and browsers, see the [Sentinel System Requirements](#).

Installing Sentinel 8.4

For information about installing Sentinel 8.4, see the *Sentinel Installation and Configuration Guide*.

Upgrading to Sentinel 8.4

You can upgrade to Sentinel 8.4 from any prior versions of Sentinel (from Sentinel 8.2 and later).

IMPORTANT: There is a change in the upgrade procedure of Traditional and Appliance installation. Please refer to Settings in Elasticsearch for Secure Cluster Communication and follow the steps.

WARNING: If you are upgrading from versions prior to Sentinel 8.3, you must manually assign the **Send events and attachments** permission to non-administrator users who send events or attachments to Sentinel. Unless you assign this permission, Sentinel will no longer receive events and attachments from Change Guardian and Secure Configuration Manager.

For Traditional installation, refer to Upgrading the Operating System section in *Sentinel Installation and Configuration Guide*.

Known Issues

Micro Focus strives to ensure our products provide quality solutions for your enterprise software needs. The following known issues are currently being researched. If you need further assistance with any issue, please contact [Technical Support](#).

The Java 8 update included in Sentinel might impact the following plug-ins:

- ◆ Cisco SDEE Connector
- ◆ SAP (XAL) Connector
- ◆ Remedy Integrator

For any issues with these plug-ins, we will prioritize and fix the issues according to standard defect-handling policies. For more information about support policies, see [Support Policies](#).

- ◆ [“Unable to View Storage Capacity Forecasting Chart” on page 4](#)
- ◆ [“Error When Launching a Kibana Dashboard After Upgrading Sentinel” on page 5](#)
- ◆ [“Cannot Copy the Alert Links of All the Alerts in an Alert View in Mozilla Firefox and Microsoft Edge” on page 5](#)
- ◆ [“Installing Sentinel, Collector Manager, and Correlation Engine as an OVF Appliance Image Does Not Display the Login Screen” on page 5](#)
- ◆ [“Sentinel 8.2 Appliance in Microsoft Hyper-V Server 2016 Does Not Start When You Reboot” on page 5](#)
- ◆ [“Error When Upgrading to Sentinel 8.2 HA Appliance” on page 6](#)
- ◆ [“Installation of Collector Manager and Correlation Engine Appliance Fails in Languages Other than English in MFA Mode” on page 6](#)
- ◆ [“Usability Issues in the Appliance Installation Screens” on page 6](#)
- ◆ [“Error Message During Sentinel Start Up” on page 7](#)
- ◆ [“SSDM Displays an Exception When Deleting Events Whose Retention Period Has Expired” on page 7](#)
- ◆ [“Collector Manager Runs Out of Memory if Time Synchronization is Enabled in Open-vm-tools” on page 7](#)
- ◆ [“Agent Manager Requires SQL Authentication When FIPS 140-2 Mode is Enabled” on page 7](#)
- ◆ [“Sentinel High Availability Installation in Non-FIPS 140-2 Mode Displays an Error” on page 7](#)
- ◆ [“Keytool Command Displays a Warning” on page 8](#)
- ◆ [“Sentinel Does Not Process Threat Intelligence Feeds In FIPS Mode” on page 8](#)
- ◆ [“Logging Out From Sentinel Main Does Not Log You Out of Dashboards And Vice Versa in Multi-factor Authentication mode” on page 8](#)
- ◆ [“The Kibana Custom Dashboard is not Displayed After Upgrading to Sentinel 8.3.1” on page 8](#)
- ◆ [“When you Launch Kibana the Conflict Error Message is Displayed” on page 9](#)
- ◆ [“When you Reboot OS Redhat 8.1 and 8.2, Sentinel is not Started Automatically” on page 9](#)
- ◆ [“When you Open Sentinel Appliance Management Console an Error Message is Displayed” on page 9](#)
- ◆ [“Users with Hide Management Permission of Visualization, Still Can See the Management Tab in the Kibana Page” on page 9](#)
- ◆ [“When Admin Changes User Role of Alerts, Immediately Changes are not Updated in the Kibana Page” on page 9](#)
- ◆ [“When you Launch the Visualization Dashboard as a Tenant User, an Error Message is Displayed” on page 9](#)
- ◆ [“In RHEL, RCM and RCE are not Connecting to the Server When CRL is Enabled” on page 10](#)
- ◆ [“RCM is not Forwarding the Events to the Sentinel Server When Event Visualization, FIPS, and CRL are Enabled” on page 10](#)
- ◆ [“Incident Reports are Failing with Exceptions After Upgrading the OS from any Older Version to Latest Version” on page 10](#)

Unable to View Storage Capacity Forecasting Chart

Issue: In **Sentinel Main > Storage > Health**, the **Storage Capacity Forecasting** chart is not available. This is because Zulu OpenJDK does not include the necessary fonts. (Bug 1146879)

Workaround: Use the following commands to install the fonts:

- ♦ yum install fontconfig
- ♦ yum install dejavu

Error When Launching a Kibana Dashboard After Upgrading Sentinel

Issue: Launching a Kibana dashboard displays the following message: No default index pattern. You must select or create one to continue. (Bug 1163143)

Workaround: To set a Kibana index pattern as the default index pattern:

1. Select any of the following:
 - ♦ alerts.alerts
 - ♦ security.events.normalized_*
2. Click **Set as Default**.

Cannot Copy the Alert Links of All the Alerts in an Alert View in Mozilla Firefox and Microsoft Edge

Issue: The **Select All <number of alerts> Alerts > Copy Alert Link** option does not work in Firefox and Edge. (Bug 1162070)

Workaround: Perform the following steps:

1. Manually select all the alerts on each page of the alert view using the check box that allows you to select all the alerts.
2. Click **Copy Alert Link**.
3. Paste it in the desired application.

Installing Sentinel, Collector Manager, and Correlation Engine as an OVF Appliance Image Does Not Display the Login Screen

Issue: The installer halts at the installation in progress screen and does not display the login screen even though the installation is complete.

Workaround: Reboot the virtual machine and launch Sentinel, Collector Manager, or Correlation Engine. (Bug 1134657)

Sentinel 8.2 Appliance in Microsoft Hyper-V Server 2016 Does Not Start When You Reboot

Issue: In Hyper-V Server 2016, Sentinel appliance does not start when you reboot it and displays the following message:

```
A start job is running for dev-disk-by\..
```

This issue occurs because the operating system modifies the disk UUID during installation. Therefore, during reboot it cannot find the disk.

(Bug 1097792)

Workaround: Manually modify the disk UUID. For more information, see [Knowledge Base Article 7023143](#).

Error When Upgrading to Sentinel 8.2 HA Appliance

Issue: When you upgrade to Sentinel 8.2 HA appliance, Sentinel displays the following error:

```
Installation of novell-SentinelSI-db-8.2.0.0-<version> failed:
with --nodeps --force) Error: Subprocess failed. Error: RPM failed: Command exited
with status 1.
Abort, retry, ignore? [a/r/i] (a):
```

(Bug 1099679)

Workaround: Before you respond to the above prompt, perform the following:

- 1 Start another session using PuTTY or similar software to the host where you are running the upgrade.
- 2 Add the following entry in the `/etc/csync2/csync2.cfg` file:
`/etc/opt/novell/sentinel/config/configuration.properties`
- 3 Remove the `sentinel` folder from `/var/opt/novell`:
`rm -rf /var/opt/novell/sentinel`
- 4 Return to the session where you had initiated the upgrade and enter `r` to proceed with the upgrade.

Installation of Collector Manager and Correlation Engine Appliance Fails in Languages Other than English in MFA Mode

Issue: Installation of Collector Manager and Correlation Engine appliance fails in MFA mode if the operating system language is other than English. (Bug 1045967)

Workaround: Install Collector Manager and Correlation Engine appliances in English. After the installation is complete, change the language as needed.

Usability Issues in the Appliance Installation Screens

Issue: The **Next** and **Back** buttons in the appliance installation screens do not appear or are disabled in some cases, such as the following:

- ◆ When you click **Back** from the Sentinel precheck screen to edit or review the information in the Sentinel Server Appliance Network Settings screen, there is no **Next** button to proceed with the installation. The **Configure** button allows you to only edit the specified information.
- ◆ If you have specified incorrect network settings, the Sentinel Precheck screen indicates that you cannot proceed with the installation due to incorrect network information. There is no **Back** button to go to the previous screen to modify the network settings.

(Bug 1089063)

Workaround: Restart the appliance installation.

Error Message During Sentinel Start Up

Issue: Sentinel displays the following message during start up in the `server.log` file:

```
Value for attribute rv43 is too long
```

(Bug 1092937)

Workaround: Ignore the exception. Although the message is displayed, Sentinel works as expected.

SSDM Displays an Exception When Deleting Events Whose Retention Period Has Expired

Issue: When there is a large number of events whose retention period has expired and SSDM tries to delete those events from Elasticsearch, the following exception is displayed in the `server.log` file:

```
java.net.SocketTimeoutException: Read timed out
```

(Bug 1088511)

Workaround: Ignore the exception. This exception occurs due to the time taken to delete the large amount of data. Although the exception is displayed, SSDM successfully deletes the events from Elasticsearch.

Collector Manager Runs Out of Memory if Time Synchronization is Enabled in Open-vm-tools

Issue: If you manually install and enable time synchronization in `open-vm-tools`, they periodically synchronize time between the Sentinel appliance (guest) and the VMware ESX server (host). These time synchronizations can result in moving the guest clock either behind or ahead of the ESX server time. Until the time is synchronized between the Sentinel appliance (guest) and the ESX server (host), Sentinel does not process events. As a result, a large number of events are queued up in the Collector Manager, which may eventually drop events once it reaches its threshold. To avoid this issue, Sentinel disables time synchronization by default in the `open-vm-tools` version available in Sentinel. (Bug 1099341)

Workaround: Disable time synchronization. For more information about disabling time synchronization, see [Disabling Time Synchronization](#).

Agent Manager Requires SQL Authentication When FIPS 140-2 Mode is Enabled

Issue: When FIPS 140-2 mode is enabled in Sentinel, using Windows authentication for Agent Manager causes synchronization with the Agent Manager database to fail. (Bug 814452)

Workaround: Use SQL authentication for Agent Manager.

Sentinel High Availability Installation in Non-FIPS 140-2 Mode Displays an Error

Issue: The Sentinel High Availability installation in non-FIPS 140-2 mode completes successfully but displays the following error twice:

```
/opt/novell/sentinel/setup/configure.sh: line 1045: [: too many arguments
```

(Bug 810764)

Workaround: The error is expected and you can safely ignore it. Although the installer displays the error, the Sentinel High Availability configuration works successfully in non-FIPS 140-2 mode.

Keytool Command Displays a Warning

Issue: While using Keytool command, the following warning is displayed:

```
The JKS keystore uses a proprietary format. It is recommended to migrate to
PKCS12which is an
industry standard format using "keytool -importkeystore -srckeystore
/<sentinel_installation_path>/etc/opt/novell/sentinel/config/
.webserverkeystore.jks -destkeystore
/<sentinel_installation_path>/etc/opt/novell/sentinel/config/
.webserverkeystore.jks -deststoretype pkcs12".
```

(Bug 1086612)

Workaround: The warning is expected and you can safely ignore it. Although the warning is displayed, Keytool command works as expected.

Sentinel Does Not Process Threat Intelligence Feeds In FIPS Mode

Issue: In FIPS mode, when processing out-of-the-box threat Intelligence feeds from URLs, Sentinel displays the following error: Received fatal alert: protocol_version. This issue occurs because the out-of-the-box threat feeds now support only TLS 1.2, which does not work in FIPS mode. (Bug 1086631)

Workaround: Perform the following:

1. Click **Sentinel Main** > **Integration** > **Threat Intelligence Sources**.
2. Edit each URL to change the protocol from http to https.

Logging Out From Sentinel Main Does Not Log You Out of Dashboards And Vice Versa in Multi-factor Authentication mode

Issue: In multi-factor authentication mode, if you log out of **Sentinel Main** you do not get logged out of Sentinel dashboards and vice versa. This is due to an issue in the Advanced Authentication Framework. (Bug 1087856)

Workaround: Until a fix is available in the Advanced Authentication Framework, refresh the screen to view the login screen.

The Kibana Custom Dashboard is not Displayed After Upgrading to Sentinel 8.3.1

Issue: The Kibana custom dashboard is not displayed when you upgrade from Sentinel 8.3 or earlier to Sentinel 8.3.1. (Bug 58001)

Workaround: Ensure that you re-create the custom dashboard after upgrading Sentinel.

When you Launch Kibana the Conflict Error Message is Displayed

Issue: After installing or upgrading Sentinel and when you launch Kibana for the first time, the conflict error message is displayed. (Bug 65001)

Workaround: Ignore the conflict error message as there is no functionality impact.

When you Reboot OS Redhat 8.1 and 8.2, Sentinel is not Started Automatically

Issue: After installing Sentinel on OS Redhat 8.1 and 8.2, Sentinel (Server, RCM, or RCE) is not started automatically after reboot. (Bug 83167)

Workaround: Change the SELINUX value to **SELINUX=disabled** in the file `/etc/selinux/config`.

When you Open Sentinel Appliance Management Console an Error Message is Displayed

Issue: After upgrading to Sentinel 8.3, when you try to open Sentinel Appliance Management Console of the CE (Correlation Engine) or CM (Collector Manager) of HA (High Availability) servers, an error message `ERROR 404 - Not found` is displayed. (Bug 93058)

Workaround: For more information, refer to [Micro Focus Knowledge Base document](#).

Users with Hide Management Permission of Visualization, Still Can See the Management Tab in the Kibana Page

Issue: After upgrading to Sentinel 8.4, users with hide management permission of visualization still can see the Management tab on the Kibana page, but cannot access the features of the Management tab. (Bug 112007)

When Admin Changes User Role of Alerts, Immediately Changes are not Updated in the Kibana Page

Issue: Existing users unable to see any alerts on the Kibana page immediately, although permission is updated by the admin to see the alerts. (Bug 115010)

Workaround: You need to logout and login again when the user permission is updated.

When you Launch the Visualization Dashboard as a Tenant User, an Error Message is Displayed

Issue: When a non-default tenant user launches the visualization dashboard, an error message `Forbidden` is displayed. This error message is displayed, whenever the dashboard is launched by the non-default tenant user who has `View-only` permission for the `Management` option and there is no user with `Edit` permission for the `Management` option under that tenant. (Bug 112008)

Workaround: Ignore the error message as there is no functionality impact.

In RHEL, RCM and RCE are not Connecting to the Server When CRL is Enabled

Issue: Remote Collector Manager (RCM) and Remote Correlation Engine (RCE) not able to connect to the server when CRL is enabled, in RHEL. (Bug 121001)

Workaround: Upgrade the **cURL version** on the machine to 7.60 or above.

RCM is not Forwarding the Events to the Sentinel Server When Event Visualization, FIPS, and CRL are Enabled

Issue: In the fresh installation of distributed setup, after enabling the Event Visualization, the FIPS, and the CRL services, the Remote Collector Manager (RCM) is not forwarding the events to the Sentinel Server. (Bug 121002)

Workaround: If either the Event Visualization and FIPS or the Event Visualization and CRL are enabled, then RCM forwards the events to the Sentinel server.

Incident Reports are Failing with Exceptions After Upgrading the OS from any Older Version to Latest Version

Issue: When you are upgrading the Operating System, from an older version to the latest version, incident reports fail with exceptions. (Bug 115047)

Contacting Micro Focus

For specific product issues, contact Micro Focus Support at <https://www.microfocus.com/support-and-services/>.

Additional technical information or advice is available from several sources:

- ◆ Product documentation, Knowledge Base articles, and videos: <https://www.microfocus.com/support-and-services/>
- ◆ The Micro Focus Community pages: <https://www.microfocus.com/communities/>

Legal Notice

© Copyright 2001-2020 Micro Focus or one of its affiliates.

The only warranties for products and services of Micro Focus and its affiliates and licensors (“Micro Focus”) are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Micro Focus shall not be liable for technical or editorial errors or omissions contained herein. The information contained herein is subject to change without notice.

For additional information, such as certification-related notices and trademarks, see <http://www.microfocus.com/about/legal/> (<http://www.microfocus.com/about/legal/>).