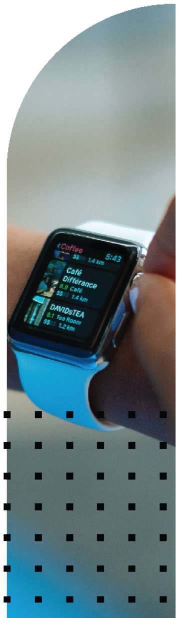
# Release Notes

## FortiSIEM 6.4.1



FORTINET®

10/25/2022
FortiSIEM 6.4.1 Release Notes

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# Change Log

| Date | Change Description |
|---|---|
| 05/23/2022 | Initial version of FortiSIEM 6.4.1 Release Notes. |
| 08/15/2022 | Known issue added. |
| 10/25/2022 | Known issue added. |

# What's New in 6.4.1

This document describes the additions for FortiSIEM 6.4.1 release.

- Bug Fixes and Minor Enhancements
- System Upgrades
- Known Issues

## Bug Fixes and Minor Enhancements

| Bug ID | Severity | Module | Description |
|---|---|---|---|
| 774397 | Major | Data Manager | Event files upload to Elasticsearch is slow for Organizations with large org Id. |
| 789843 | Major | Performance Monitor | Fail to get running-config from Cisco IOS devices. |
| 788814 | Minor | Agent Manager | phAgentManager process may crash if Cisco FireAMP event pulling job does not return expected value. |
| 788034 | Minor | Agent Manager | Collector may not efficiently get WMI event log if some of the Windows servers are down. |
| 757413 | Minor | Agent Manager | phAgentManager process may crash to handle some Cisco Firepower IPS events. |
| 795273 | Minor | Agent Monitor | Enabling an AWS Cloudwatch pull event may cause phAgentManager to crash on collector. |
| 801278 | Minor | App Server | The LOW and HIGH watermark log delay events (PH_DEV_MON_LOG_DEVICE_DELAY_LOW and PH_DEV_MON_LOG_DEVICE_DELAY_HIGH) are not generated reliably. |
| 794338 | Minor | App Server | New Dashboards created in Global Dashboard no longer appear after a couple of hours. |
| 791114 | Minor | App Server | ServiceNow Device Outbound Integration may fail if Installed Software Date was NULL. |
| 782304 | Minor | App Server | User with a cloned "Full Admin" role with Data Conditions defined cannot search for rules in RESOURCES > Rules. |
| 776214 | Minor | App Server | Searching currently Active Incidents generated many months ago fails in INCIDENTS > Search. |
| 785547 | Minor | Data | The ADMIN > Health > Cloud Health page sometimes times out after upgrade to 6.4.0, if there are many workers. |

| Bug ID | Severity | Module | Description |
|---|---|---|---|
| 779548 | Minor | Data Purger | phDataPurger incorrectly counts master nodes as hot nodes in AWS-managed Elasticsearch. |
| 791321 | Minor | Data Purger | Data Purger needs to handle error 404 when trying to purge non-existent ES indices. |
| 780688 | Minor | GUI | Sometimes, the user cannot reset their own password because of internal errors. |
| 776295 | Minor | GUI | GUI shows "Undefined" error when the user attempts to set a new password for a user created with the "Password Reset" field set. |
| 784026 | Minor | Parser | phParser may sometimes crash to handle some events. |
| 776350 | Minor | Parser | External protocol error (PH_PARSER_INVALID_EXT_LOG_PROTO) from collectors occurrs when OMI was configured. |
| 769414 | Minor | QueryMaster | phQueryMaster memory usage increases when FortiSIEM collects performance metrics for a large number of devices when they are all included in the Summary dashboard. This summary data is held in memory and needs to be more aggressively purged. |
| 793805 | Enhancement | App Server | Handling of Task Rest API results in excessive PostGreSQL accesses causing App Server performance issues. |
| 790052 | Enhancement | Parser | Increase the number of concurrent TLS connections handled by Parser module for syslog over TLS. |

# System Upgrades

- Upgrade to Rocky Linux 8.5 with patches released on March 30, 2022. (https://lists.resf.org/archives/list/rocky-announce@lists.resf.org/thread/H7FNZZUZQ7B2XEEOPIXPZVIMQNO6KTE2/)

# Known Issues

## Policy Based Retention for EventDB

Currently, Policy based retention for EventDB does not cover two event categories: (a) System events with phCustId = 0, e.g. a FortiSIEM External Integration Error, FortiSIEM process crash etc., and (b) Super/Global customer audit events with phCustId = 3, e.g. audit log generated from a Super/Global user running an adhoc query. These events are purged when disk usage reaches high watermark.

## Shutting Down Hardware

On hardware appliances running FortiSIEM 6.6.0 or earlier, FortiSIEM `execute shutdown` CLI does not work correctly. Please use the Linux `shutdown` command instead.

## Elasticsearch Based Deployments Terms Query Limit

In Elasticsearch based deployments, queries containing "IN Group X" are handled using Elastic Terms Query. By default, the maximum number of terms that can be used in a Terms Query is set to 65,536. If a Group contains more than 65,536 entries, the query will fail.

The workaround is to change the “max_terms_count” setting for each event index. Fortinet has tested up to 1 million entries. The query response time will be proportional to the size of the group.

**Case 1. For already existing indices, issue the REST API call to update the setting**

```
PUT fortisiem-event-*/_settings
{
  "index" : {
    "max_terms_count" : "1000000"
  }
}
```

**Case 2. For new indices that are going to be created in the future, update fortisiem-event-template so those new indices will have a higher max_terms_count setting**

1. `cd /opt/phoenix/config/elastic/7.7`
2. Add `"index.max_terms_count": 1000000` (including quotations) to the “settings” section of the `fortisiem-event-template`.

   Example:

   ...

   ```
     "settings": {
       "index.max_terms_count": 1000000,
   ```

   ...
3. Navigate to **ADMIN > Storage > Online** and perform **Test** and **Deploy**.
4. Test new indices have the updated terms limit by executing the following simple REST API call.

   ```
   GET fortisiem-event-*/_settings
   ```

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