

HP Operations Analytics

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Release Notes

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What's New in this Release

Operations Analytics 2.20

Alerts

Alerts allow you to trigger different actions based on conditions and time intervals that you specify. This feature allows you to use OpsA as a pro-active monitoring tool, in addition to OpsA's strong forensic capabilities.

OneView Integration

Operations Analytics can now import data from HP OneView and perform advanced analytics of hardware and system logs. The data is displayed in specialized dashboards.

Log Analytics Splunk Support

Splunk users can now use OpsA's powerful Log Analytics capabilities.

Configure Collections in User Interface

All collections can now be configured entirely from the user interface. This reduces the time to create a collection from more than an hour to a few minutes.

Customize Chart Colors

You can now customize the color schemes of selected chart types to fit your organizational preferences.

Copy Panes

Dashboard panes can be copied into custom dashboards.

Improved Data Load Time

Data can now be loaded significantly faster (sometimes twice as fast) when compared with version 2.10.

Parameterize Dashboards

You can configure an OpsA dashboard to take a parameter and use it to drill to a different dashboard focusing on that parameter (for example, a host).

Upgrade

You can upgrade from Operations Analytics 2.10 to 2.20 using the Upgrade Guide.

Operations Analytics 2.10

HP Operations Analytics 2.1 continues to expand its powerful set of features with the following feature additions.

Log Analytics

A powerful Log Analytics feature that automatically finds the needle in the log messages haystack. Using machine learning and pattern matching capabilities, Log Analytics automatically locates the most significant messages, so you no longer need to conduct complex searches or write sophisticated regular expressions. Using Log Analytics, OpsA automatically calculates message significance based on things like time proximity, message severity, matching keywords, and deviation from normal message frequency. You can modify the way message significance is calculated by liking messages, adding significant keywords, and defining the problem time.

Predictive Analytics

Predictive Analytics forecasts metric behavior using baseline and seasonality algorithms. Use Predictive Analytics to identify patterns in your metrics and understand whether specific hours or times have different behaviors. You can also use Predictive Analytics to learn about trends in your system to anticipate infrastructure and business impacts.

Enhance User Experience

Topology definition now supports using wildcards (“ * “) to simplify creating a service definition; this also handles dynamic environments where nodes are added and removed as needed.

This release adds the “drill capability” to allow easier transition from a summary graph to a specific underlying host data. By clicking a graph segment or legend, a new search will be performed to show the data for that specific system, or node.

Improving the Collection Framework

- Improved support for live data feeds from external data sources. Use our example for weather information to get started.
- Build on community know-how by deploying content packs that include collection, dashboard, and AQL definitions.
- Import and export of dashboards to easily extend your system based on community knowledge.

Analytics extensibility via R-Functions

R is a well-known and established statistical language. The Internet is full of R-based content packs for accomplishing various statistical and analytical functions. Now you can extend your analytics capabilities by leveraging R functions within Operations Analytics.

Operations Analytics 2.00

HP Operations Analytics 2.00 is a new product that brings big data to IT Operations. HP Operations Analytics is designed to help IT organizations:

- **Prepare** – By storing and understanding all of your machine data.
- **Predict** – By applying advanced machine learning on top of the data.
- **Pinpoint** – By instant replay to recreate history.

HP Operations Analytics provides a big data analytics platform that collects metrics events, topology, and log files, and indexes and stores them efficiently. This analytics platform also provides three main use cases:

- IT Search for executing simple or advanced queries against the data store.
- Guided troubleshooting providing a search capability driven by keywords, tags, or phrases, and retrieving time-sequenced information from metric, events, and logs, setting the context for deeper analysis.
- Visual Analytics designed to present large amounts of data graphically, allowing users to easily gain insight into trends, patterns, and other details in the data that aids in preventing or correcting an IT issue.

Support Matrix

For information about the installation requirements and compatibility with other products, see the HP Operations Analytics Support Matrix. Since the Support Matrix may be updated between releases, you can access the most up-to-date information from the HP Support web site:

[HP Operations Analytics Support Matrix](#)

Installation Instructions

The following guides provide Installation and Configuration instructions:

- [HP Operations Analytics Quick Start Guide](#)
- [HP Operations Analytics Installation Guide](#)
- [HP Operations Analytics Configuration Guide](#)
- [Operations Analytics for OneView Installation Guide](#)
- [Operations Analytics – OneView Integration Guide](#)
- [HP Operations Analytics Upgrade Guide](#)

The information in the HP Operations Analytics Quick Start Guide provides instructions for completing a basic configuration. The HP Operations Analytics Installation Guide provides detailed installation instructions. The HP Operations Analytics Configuration Guide provides instructions for improving the performance and maintaining your product. The Operations Analytics for OneView Installation Guide provides instructions for deploying the Operations Analytics OneView Virtual Appliance. The Operations Analytics – OneView Integration Guide provide instructions for configuring the Operations Analytics – OneView integration. The Operations Analytics Upgrade Guide provides instructions for upgrading Operations Analytics from version 2.10 to version 2.20.

Licensing

HP Operations Analytics licenses are sold in bundles of 50 OpsA nodes. This license entitles the owner to the full feature set of HP Operations Analytics.

Operations Analytics comes with an implicit node pack (Instant On) license that is valid for 60 days.

For Operations Analytics – OneView licensing, you must purchase and install one of the following permanent licenses before the Instant On license expires:

- OpsA OneView node permanent license: The OpsA OneView node license enables OpsA OneView integration collections and features only.
- Full OpsA license (in 50 node pack) permanent license: This license enables the full OpsA collections and full features.

Notes and Limitations

Operations Analytics Access Issues

There is a limitation to the number of concurrent users for larger OpsA Deployments

Description: Limit the number of concurrent users for larger OpsA deployments to 25 users.

Workaround: None

Installation Issues

Ignore the following installation issue (QCCR1P2578)

Description: During installation, you might see a message similar to the following:
There was a failure with this installation action for HP Service Health Reporter Collector 9.30.

Comment: A hot fix is immediately applied during installation to resolve this issue. You can ignore this message.

Logger Issues

Logger is not sending the full response to the OpsA Collector

Description: With high log ingestion rate data rate in a distributed setup, the logger could be sending part of the response requested by the user.

The following exception appears in the OpsA log file:

```
2013-08-21 04:55:13,590 ERROR sourceAPI.LoggerDALInterfaceAPI: [Collector-0027] Error executing ArcSight Logger query. com.hp.opsa.dataaccess.exception.DataAccessException: Error occurred while getting search results: Error occurred while getting search results -- Failed to read a response: javax.xml.bind.UnmarshalException
```

```
[javax.xml.stream.XMLStreamException: ParseError at [row,col]:[1,306254]
```

```
Message: XML document structures must start and end within the same entity. -- ParseError at [row,col]:[1,306254]
```

Workaround: Turn on base64 encoding in the Logger and OpsA. In OpsA, use `opsa-logger-config-manager.sh` to turn on the base64 encoding option for the logger.

OpsA users must select between using Logger or Splunk

Description: You can use either Logger or Splunk with OpsA. OpsA does not support using both Logger and Splunk.

Workaround: None.

Operations Analytics – OneView Integration

In large scale Oneview deployments, the Operations Analytics - Oneview Integration might encounter errors when retrieving Oneview topology information

Description: In some large scale Oneview deployments (containing more than 3,000 objects and more than 40,000 connections), Operations Analytics might encounter errors when retrieving Oneview topology. New objects added to Oneview after these errors occur will not be shown in Operations Analytic's Oneview dashboard.

Workaround: Contact HP Software Support.