Hewlett Packard
Enterprise

HPE SiteScope

Software Version: 11.32

SiteScope What's New

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What's New in SiteScope 11.32

This document provides information about new features and enhancements in HPE SiteScope 11.32.

License Migration

This version of SiteScope provides the ability to work with the point-based license model if you have a valid point-based license. You can migrate your point-based license into the 11.32 configuration and use the new features and functionality of 11.32. See the SiteScope Deployment Guide for details on license migration.

Integration with AutoPass License Usage Hub

"SiteScope can integrate with the AutoPass License Usage Hub. With this integration, you will be able to view all your HPE product licenses information from the dashboard of the AutoPass License Server Usage Hub.

reporting server.

Unified Console

Unified Console is enhanced with a new look for better usability.

Unified Console - Manage View

Manage View is enhanced to update custom properties for the following monitors:

- CPU Monitor
- Log File Monitor
- Memory Monitor
- Ping Monitor
- Script Monitor
- Service Monitor
- URL Monitor

Monitor Refreshment

REST API Monitor

SiteScope REST API monitor enables monitoring the performance of software that provide their counters in the form of JSON or XML through HTTP/HTTPS interfaces using REST API calls. Some examples of software that can be monitored using the REST API monitor are Mongo DB, GlassFish AS, and Docker. Using this monitor you can also monitor your REST Web Services.

This monitor supports monitoring all software that provide their counters in the form of JSON or XML representation through REST API HTTP/HTTPS methods.

Monitor Enhancements

Docker Monitor

Docker monitor is enhanced with the following:

- Extended cluster support to include monitoring of Kubernetes clusters

- Enhanced auto-discovery features

- Support for Docker configured for SSL

Custom Monitors

Custom monitors are enhanced with the following features:

- Option to specify UI elements for script parameters through XML configuration file.

- Hide configuration file and data processing script for the custom monitor.

- Option to protect the Content Package with password during export and import of the content package.

- Calculate MD5 checksum for custom monitor.

Alerts

REST Alerts is a new alert action type that is introduced with this version of SiteScope. REST alert sends data to any application URL using the JSON or XML format. This alert sends notifications from SiteScope to the application via the URL.

Public APIs

- New REST APIs for data acquisition can be used for querying historical data for the following:

  - Monitor runs matching the specified query parameters.

  - VMware reconciliation topology collected by VMware monitors currently running on SiteScope.

  - List of monitor types together with the metric names per monitor type for which user has view permissions.

    The methods **getData**, **getDataWithTopology**, and **getMonitorTypesWithMetricNames** enable you to perform the above tasks.

- New **getSchedulePreferencesSnapshot** (REST and SOAP-based) method retrieves all schedule preferences that are available in SiteScope.

- New **updateTemplate** (REST and SOAP-based) method enables you to rename a template.

- The **search** (REST and SOAP-based) method is enhanced to include regular expressions in the search criteria. The method allows to search for monitors and groups based on their tag names and values.

See the SiteScope Public API Reference Guide for more information.

General

Support for open SSH connection for Windows and Linux remote servers running on OpenSSH 7.1 P2.

Integration with Operations Manager

A new field **Instruction text** is added to the General Settings panel at the monitor level, which enables users to include help or instructional text in SiteScope event messages that are sent to Operations Manager/OMi.

What's New in SiteScope 11.31

This guide provides information about new features and enhancements in SiteScope 11.31 and the latest build patch. It also includes information about new features and enhancements in HP SiteScope 11.30.

For new features and enhancements in earlier versions of SiteScope, see the HPE Software Support site.

For customer escalation fixes and internal bug fixes made to SiteScope, see the SiteScope 11.31 Release Notes.

What's New in the Latest SiteScope 11.31 Build Patch (IP1)

SiteScope Image on the Docker Hub

The SiteScope 11.31 Build Patch IP1 image is available on the Docker Hub. Docker Hub repositories let you share images with co-workers, customers, or the Docker community at large.

You can access the SiteScope image from: https://hub.docker.com/r/hpsoftware/sitescope/

New Dynamic Docker Monitor

- Added the Dynamic Docker monitor which enables you to monitor the health and performance statistics of a Docker environment from the cluster manager level (Swarm) to the application level (nodes and containers), including monitoring the health of the cluster manager and each Docker node.

  Benefits of using this monitor:

  - The monitor scans the target Docker node or cluster to dynamically discover the hierarchy and available performance counters. You can select from these performance counters to determine which measurements SiteScope should retrieve for reporting server status. You can also define the required thresholds for the counter's pattern. In this way, thresholds are also updated automatically when the counters are updated.

  - You can also use this monitor to automatically discover applications running on the Docker node or cluster, and to create a monitor for each new known application. Each time the monitor requests counters from the server, the discovery mechanism checks the list of containers supplied by the monitor and searches for new containers. If it finds new containers, it searches the containers for known applications, and it automatically creates and deploys a new monitor for each known application using a predefined template.

  - Using the Unified Console in SiteScope, you can see a consolidated view of all monitored Docker metrics at the same level. It includes the Cluster Manager (Swarm), all Docker nodes, Docker daemon

counters, Docker containers and applications that run in each container, and Health Counters in a flattened view as a set of nested rectangles. The hierarchical relationship between the data is retained, enabling drill down/up to different levels.

SiteScope APIs

SiteScope supports REST APIs that provide services for working with SiteScope templates, groups, monitors and alerts without having to use the SiteScope user interface. SiteScope REST APIs can be invoked using any known REST client framework or tool. With SiteScope REST APIs you can perform the following configuration tasks:

- Template management - create/delete template container, import/export template, get snapshot of templates

- Template deployment (monitor, group, alert)

- Publish template changes

- Group management – Enable/disable groups, delete groups, search groups by specific criteria

- Monitor management – Enable/disable monitors, delete monitors, run monitors, search monitors by specific criteria

- Alert management – Enable/disable alerts

What's New in SiteScope 11.31

Unified Console - Manage View

- Added the Manage view to the Unified Console. This provides self-service monitoring to non-admin users (after they have been granted the necessary permissions by the SiteScope administrator) to perform common administration actions such as deploy templates, update monitor configurations, run monitors, view associated alerts, and enable/disable monitors, groups, and alerts.

- Enables application owners to perform common administration actions, thereby reducing the amount of monitoring support required from the SiteScope administrator or monitoring team.

- Provides a modern and intuitive Java-free interface that provides improved usability and new look and feel (uses HTML5).

- Mobility. Supports iPad and Android tablets, and the most commonly used browsers including Chrome and Safari.

- Faster response time than the SiteScope Dashboard.

- Fully supported on big and small screens, making it is ideal for viewing monitor data in a network operations center.

- To assist in troubleshooting, you can copy the link for a selected group or monitor (from the browser), and send it to other users, enabling them to open the same location in the monitor tree.

- Improved navigation. You can navigate back and forward in the browsing history of the monitor tree using the Back and Forward browser buttons.

- Unified Console can be viewed on different screen sizes using the following default screen resolutions:

  - Large Desktop – 1680 x 1050 pixels

  - Laptop – 1280 x 800 pixels

  - iPad – 1024 x 768 pixels

New Monitors and Solution Templates

- Added the SAP MAI (Monitoring and Alerting Infrastructure) Alert monitor.

- Added the Apache Cassandra Solution Template that deploys a collection of monitors configured with default metrics that test the availability, performance, and health of the Cassandra node on the Cassandra database.

- Added the Apache Tomcat Solution Template that deploys a set of monitors that test the performance and availability of the Apache Tomcat server.

- Added additional counters to the Vertica Monitoring Solution Template, and added support for monitoring Vertica 7.1.1.

Monitor Enhancements and Changes

- Apache Server monitor: Added support for monitoring Apache Server 2.4.10.

- Citrix monitor: Added support for monitoring Citrix XenApp 7.6.

- ColdFusion Server monitor: Added support for monitoring ColdFusion Server 10 and 11, and a new field for selecting the ColdFusion version.

- F5 Big-IP monitor: Added support for monitoring F5 Big-IP 11.6.

- HAProxy monitor: Added support for monitoring HAProxy 1.5.10.

- HP Vertica monitor: Added support for monitoring Vertica 7.1.1.

- Integration (EMS) Monitors: Added support for the Generic Integration monitors (Technology Database, Log File, SNMP Trap, and Web Services).

- JMX and Dynamic JMX monitors: Added support for monitoring WildFly 8.1.0, 8.2.0 and JBoss EAP 6.3.0.

- Microsoft SQL Server monitor: Added support for monitoring Microsoft SQL Server 2014.

- Microsoft Windows 2012 R2 Update 1: Added support for monitoring Microsoft Windows 2012 R2 Update 1 to the following monitors: Active Directory Replication, COM+ Server, CPU, Directory, Dynamic Disk Space, LDAP, Memory, Microsoft Active Server Pages, Microsoft SQL Server, Microsoft Windows Event Log, Microsoft Windows Resources, Log File, Microsoft Windows Performance Counter, File, Microsoft

Windows Services State, Multi Log, Script, Service.

- SAP monitors: Added support for SAP Java Connector version 3.x.

- Solaris Zones monitor: Added support for monitoring Solaris 11.2 operating systems.

- UNIX Resources monitor: Added support for monitoring UNIX remote servers running on Solaris 11.2 and Oracle Enterprise Linux 7.0.

- URL, URL Sequence, URL Content and URL Tool: Added the ability to select the preferred protocol option to use for the handshake process (any protocol, prefer SSL to TLS, or prefer TLS to SSL), and added support for TLS 1.1 and 1.2 to all of the above, and to the URL List and Web Service monitor.

- WebSphere Application Server monitor:

  - Added support for monitoring WebSphere Application Server 8.5x.

  - Reduced counter loading time by populating the Statistics counters only; the MBean objects are empty. To get counters for an MBean object, right-click the object, and select **Load Counters**.

- WebSphere MQ monitor: Added support for monitoring WebSphere MQ Servers 8.0.

- Web Script Monitor: Added the ability to enable historical logging by adding the **_ mdrvLogHistoryAppend** property to the **<SiteScope root directory>\groups\master.config** file, and setting the value to **=true** to save all runs in the same file with time-stamped run start/stop marker lines, or **=false** to backup the file each time a new run is logged.

Predictive Analytics

- Analytics Correlation results, showing the monitor status of the five highest counters of the Analytics Target monitors, are now available in the Event Console and in OMi events.

User Permissions

- As part of self-service monitoring, added the ability for a SiteScope administrator to determine the template containers that a user can access (in **Preferences > User Management Preferences >** *user_ or_user_role_profile* **> Main Settings > Allowed template containers**).

Filter Manager

- Added the Filter Manager which enables viewing and managing all filters from one dialog box.

Integration with HP Operations Manager

- If there are several Network Interface Controllers (NIC) on a SiteScope server and you want to specify which NIC to use in SiteScopeDrilldownURL, you can specify the host of the appropriate NIC by adding **_ configuredLocalhostName=<host>** to the **<SiteScope root directory>\groups\ master.config** file.

SiteScope Configuration APIs

- Added the **runToolOnMonitorEx** method to the API. This enables running the monitor configuration tool when configuring monitor properties for specific monitors.

Supported Environments

- Server System Requirements: Added support for running SiteScope on Oracle Enterprise Linux 7.0 and Red Hat ES/AS Linux 7.0 and 7.1.

- Client System Requirements:

  - Google Chrome is now supported on browsers that support NPAPI.

  - Java Plug-in: JRE 8 Update 51 is the latest certified version.

  - Mozilla Firefox 38 ESR is the latest certified version.

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