



OpsWise 5.1.0 Release Notes

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Universal Agent

The OpsWise agent has been merged with the Stonebranch Universal Broker. See [System Overview](#).

Web Services

OpsWise now supports a RESTful-based web services API that allows you to perform the following tasks:

- Request a list of agents.
- Set variables.
- Set the limit on a virtual resource.
- Trigger (launch) a task.
- Create a Windows, Linux/Unix, or z/OS task.
- Launch a task while setting variables

For details, see [RESTful Web Services API Reference](#).

Record Versioning

OpsWise now maintains historical copies of most user-created records in the database. These include tasks and their associated records (virtual resources, variables, actions, notes), calendars and their custom day associations, custom days, variables, credentials, virtual resources, scripts (and associated notes), email templates and connections, database connections, SNMP managers, SAP connections, agent clusters, applications, OpsWise groups, and triggers (and associated variables). When the user updates one of these records, the system creates an image of the old version and stores it in the record's **Versions** tab. See [Record Versioning](#).

Bundling and Promotion of OpsWise Records

The OpsWise Bundling and Promotion features allow you to select and Bundle a group of OpsWise records and "promote" them from one OpsWise server to another. For example, you can use these features when you create your workflows on a development installation then move them to a QA installation for testing. Once you are satisfied with the stability of the workflows, you can promote them to your production system. The system also supports a roll-back feature. See [Bundling and Promoting Records](#).

Script Library

Scripts can now be stored in OpsWise for central management and access. This feature allows you to execute scripts on remote machines without having the script itself located on the machine. See [Script Library](#).

Enhancements to the Command Line Interface

The result of queries is now capped at one thousand items to avoid degradation of system performance. The format of wildcards has changed. See [Command Line Interface Reference](#).

Copy Task, Trigger, and Calendar with Variables

You can now make copies of tasks, triggers, and calendars that also copy attached variables. This feature also allows you to copy multiple records at once. See [Copying Records](#). When you request the copy, the system prompts for a new name.

SAP Task and SAP Connection

OpsWise can now run workload on an SAP system. See [SAP Task](#).

Updating Multiple Records on a List

Two menu options available from any list of records allow you to [make updates to multiple records](#). You can make these "global" changes to the list for any field that is common to every record in the list or every selected record. For example, if your list includes multiple Cron triggers, you can make "global" changes to all fields on a Cron trigger. If your list includes all task types, you can make "global" changes to any field that is common to all task types. The more uniform your list is, the greater the number of fields you can change.

Task Instance Validators

OpsWise now validates changes made by the user to correct errors in Task Instances.

SQL Warnings and Messages

[SQL warnings](#) and [results](#) are now captured and displayed in separate tabs on SQL and Stored Procedure task instance records. These two tabs replace the Output tab on these task types.

Stored Procedure Parameters

A new tab for [parameters](#) has been added to the Stored Procedure task and task instance.

Launch with Variables

OpsWise now supports a [Launch with Variables](#) feature that allows you to quickly provide values for the variables specified in the task and launch it. All task types support the Launch with Variables feature. Any variables attached to the task are automatically filled in.

Limiting the Number of Lines on Retrieved Output

You can now use the [Number of Lines](#) field to limit the amount of output retrieved by a task.

New Built-In Variables

A number of new built-in variables are now available, including variables for the SAP task, scripts, File Monitor, FTP File Monitors, SQL exception data, connector, agent, and cluster (core processor) variables. See [Built-In Variables](#).

New Functions

New functions have been added for accessing SQL warnings and for returning the index within a string . Also, functions can now be nested to one level. See [Functions](#).

Color-Coding of Tabs

Tabs on a record are color-coded as follows: Tabs that contain data display a blue rule; tabs that do not contain data display a grey rule.

New Security Roles

New security roles have been added to accommodate the new bundling and promotion feature: `ops_promotion_admin` and `ops_bundle_admin`. See [Description of Roles](#) for details.

Resource Wait

The "Resource Wait" status has been separated into two distinct statuses: "Resource Wait" and "Resource Requested." Any Task instance that requires resources will transition through the "Resource Requested" status. However, only those Task instances that need to wait for their resources will transition into the "Resource Wait" status. Furthermore, a new column, "Waited for Resources," was added for Task History. On completion, any Task instance that transitioned through the "Resource Wait" status will show up in the History with "Waited for Resources" as "true." By filtering on this column, a user can determine where there was contention on Virtual Resources.


Multi-selection Support

You can now select multiple tasks in the Activity Window in order to perform the same command against them at one time. The lowest common command set will be available for selection. See [Selecting Task Instances](#).

Filter Management

A new feature has been added that allows users to manage the filters that are used to control the display of [record lists](#). You can use this feature to update or delete filters. See [Filters](#).

Workflow Editor Enhancements

The Workflow Editor tool menu now includes an up arrow  that allows you to navigate to a parent workflow.

Task Monitor Enhancements

For Task Monitors within a workflow, you can now specify a [Time Scope](#), or window of time, during which the event being monitored for must be satisfied. You can also now use the [Workflow Condition](#) fields to specify a particular workflow within which the task being monitored must appear. For Task Monitors launched by a trigger, you can use the Restrict Times fields to create a window during which the Task Monitor is active.

Enhanced Forecasting

For [improved forecasting](#), the system now estimates the end time for tasks, based on the average run time of previous task runs.

Exporting Data

The selection of maintenance scripts used to export records has been enhanced. Specific scripts are now available to export all current record definitions, export record definitions including all previous versions, export all records in the activity table, and export task instance history. For details, click [here](#).

Auto-Supply New Trigger Name

If you add a trigger from the Triggers tab on a task, clicking the New button automatically generates a trigger name based on the task name.