



**Universal Controller 6.4.x**

**Maintenance**

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# Universal Controller 6.4.x Maintenance

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  - Release 6.4.0.0 - October 12, 2016

## Introduction

Stonebranch provides product maintenance in the form of updated product installation packages. This document lists the product installation package maintenance history for Universal Controller 6.4.x.



### Note

For Universal Controller 6.4.x, applying maintenance refers to the increase from a currently installed 6.1.x, 6.2.x, 6.3.x, or 6.4.x [version](#) of the Controller to a later 6.4.x version of the Controller (for example, increase Controller 6.1.3.1 to Controller 6.4.7.0).

## Product Packaging

A package maintenance level is incremented when the package changes or the package installation changes.

Stonebranch changes product version, release, or modification identifiers at its discretion when it deems an appropriate number of enhancements or capabilities have been introduced to warrant the change.

## Versioning

Package version numbers are comprised of four numeric identifiers: version, release, modification level, and maintenance level.

For example, for Universal Controller 6.4.7.0:

- 6 = Version 6
- 4 = Release 4
- 7 = Modification Level 7
- 0 = Maintenance Level 0

## Packaging Methods

The Universal Controller 6.4.x packages are provided in formats appropriate for the target platforms.

See [Installation, Upgrade, and Applying Maintenance](#) for information on installing, upgrading, and applying maintenance to the Universal Controller.

## Package Maintenance Levels

This section identifies the changes included in Universal Controller 6.4.x.

### Release 6.4.7.0 - August 9, 2018

Change ID	Description
B-09859	Upgrade packaged <a href="#">MySQL Connector/J JDBC Driver</a> from 5.1.x to 8.0.x.
D-09340	Trigger Now... command, when issued against multiple triggers at a time, is failing unexpectedly.

### Release 6.4.6.0 - June 30, 2018

Change ID	Description
E-01143	<a href="#">PeopleSoft Task</a> and <a href="#">PeopleSoft Connection</a> Integration (B-05788, B-08464, B-09195, B-09201, B-09206, B-09208, B-09212, B-09260, B-09454, B-09776).
E-01161	Web Browser <a href="#">Single Sign-On (SAML)</a> and User Provisioning (B-04971, B-09371, B-09372, B-09373, B-09374, B-09497, B-09499).
B-02578	Add description field for <a href="#">Email Templates</a> , <a href="#">Email Connections</a> , <a href="#">SAP Connections</a> , <a href="#">SNMP Managers</a> , and <a href="#">Applications</a> .
B-03293	New <a href="#">Task Launch Skip Condition</a> Trigger field replaces Skip Trigger If Active field.
B-03446	Add support for specifying timezone in <a href="#">format date/time</a> functions.
B-03893	Ability to change the return code of a previously executed step and save it. See the <a href="#">Retain Overridden Step Codes On z/OS Task Re-run</a> Universal Controller system property.
B-04385	Allow Timer Task and Wait Options to use the Trigger or specified <a href="#">time zone</a> .

B-05623	Task Run Criteria <a href="#">Insert and View</a> .
B-05892	Add ability to <a href="#">Edit Predecessors/Successors</a> in the Workflow Editor comparable to selecting Predecessors/Successors in the Workflow Monitor for Insert Task.
B-06365	Add filter to omit z/OS agent from <a href="#">Utility Agent</a> selection.
B-07098	Enhancements to internal caching.
B-07143	Change to use Success and Failed status, instead of ambiguous Complete status for <a href="#">Server Operation</a> auditing.
B-07300	Provide Email Tasks reference tab in the <a href="#">Email Template</a> Details.
B-07386	Universal Tasks - <a href="#">Data Script Lookup</a> field.
B-07433	Web Service API - <a href="#">SAP Connections</a> List and CRUD.
B-07434	Web Service API - <a href="#">Database Connection</a> List and CRUD.
B-07435	Web Service API - <a href="#">Email Connection</a> List and CRUD.
B-08457	Remove unused "type" column from <a href="#">ops_user_group</a> table.
B-08554	Ensure "Unexpected failure" cases are logged to the <b>opswise.log</b> in OpwiseRpc.
B-08603	Controller - Expose Community string for <a href="#">SNMP Managers</a> .
B-08794	Change <a href="#">List Qualifying Times/Dates</a> results to be non-modal dialogue.
B-08952	Allow Runtime Criteria / Execution Restrictions to be evaluated in the <a href="#">Time Zone</a> of the Trigger or requested Time Zone (Launch with Variables).
B-09103	Allow time of day specification in <a href="#">Workflow Execution Options</a> for a task.
B-09107	Add <a href="#">Task Instances Tab Time Constraint</a> user preference to allow configuring a default time constraint for task instances displayed on Instances tab.
B-09126	Add <a href="#">Audit Time Constraint</a> user preference.
B-09247	Display workflow name when <a href="#">hovering over tab</a> indicator for Workflow Editor/Monitor tabs.
B-09248	Include system ID (from properties) in the subject line of email System Notifications.
B-09250	Web Service API - <a href="#">Server Operation bulk export/import</a> .
B-09252	Display the "Action Inheritance" field when opening an <a href="#">Action</a> definition from a report on Actions.
B-09264	Web Service API - <a href="#">PeopleSoft Connection</a> List and CRUD.
B-09265	Copy Functionality - <a href="#">PeopleSoft Connection</a> .
B-09266	Multi-update - <a href="#">PeopleSoft Connection</a> .
B-09278	Web Service API - SNMP Manager List and CRUD.
B-09279	Copy Functionality - <a href="#">Database Connection</a> .
B-09280	Copy Functionality - <a href="#">Email Connection</a> .
B-09281	Copy Functionality - <a href="#">SAP Connection</a> .

B-09282	Copy Functionality - <a href="#">SNMP Manager</a> .
B-09283	Multi-Update - <a href="#">SAP Connection</a> .
B-09284	Multi-Update - <a href="#">Email Connection</a> .
B-09285	Multi-Update - <a href="#">SNMP Manager</a> .
B-09286	Multi-Update - <a href="#">Database Connection</a> .
B-09302	Allow "ops.admin" bootstrapped account to <a href="#">Change User Password</a> through Web Service API even though the account is flagged with "Password Requires Reset".
B-09308	Clean up the creation of the dynamic Execs that are generated for <a href="#">SAP commands</a> to avoid unnecessarily copying the Late Finish, Early Finish, and Late Start options.
B-09315	Add <a href="#">SAP Job ID</a> validation for Command Group=Display under circumstances when the SAP Job ID is an input parameter.
B-09317	Add option to use <a href="#">password locking and expiration</a> only for non-LDAP users.
B-09323	Show Workflow Editor/Monitor workflow name from the <a href="#">Tab Picker</a> pop-up menu.
B-09335	Add additional information when <a href="#">auditing</a> a successful Web Service login.
B-09344	Add User Preference for Agent <a href="#">Task Instances Tab Time Constraint</a> .
B-09348	Add capability to issue "Retrieve Output..." command directly from the <a href="#">Workflow Monitor</a> .
B-09361	<a href="#">Database Connection</a> Web Service property <code>dbType</code> is documented to support option <b>My SQL</b> ; add support for alias <b>MySQL</b> to be consistent with UI options.
B-09376	Increase the request timeout time for <a href="#">multi-update</a> operations.
B-09388	Web Service API : Server Operation <a href="#">LDAP Refresh</a> .
B-09414	Web Service API - <a href="#">Email Template</a> List and CRUD.
B-09467	<a href="#">LDAP Settings</a> - Allow Local Login.
B-09485	<a href="#">Late Start / Late Finish / Early Finish Day Constraint</a> fields: add <b>Nth Day</b> value.
B-09487	Add built-in variable for the stored procedure name that is specified in the <a href="#">Stored Procedure Task</a> .
B-09496	Add ability to enable tracing for <a href="#">OMS Java client</a> .
B-09522	Additional Built-in variable for <a href="#">SQL Task SQL Command</a> .
B-09523	Additional Built-in variable for Task <a href="#">Description</a> .
B-09526	Add description field for <a href="#">Run and Skip Criteria</a> .
B-09724	Add task instance built-in variable <code>#{ops_trigger_time_tz}</code> , which will be the trigger time in the time zone of the trigger.
B-09725	Add task instance built-in variables <code>#{ops_time_zone}</code> and <code>#{ops_task_time_zone}</code> , which will resolve to the triggered/launched time zone and the task instance's inherited time zone, respectively.
B-09788	Replace the "sb_omsjclt.jar" (OMS Client) with an updated build.
D-02791	Modify agent-based Task validation messages relating to Agent, Agent Cluster, and Credentials with respect to term "Utility".

D-05734	Updating User Role or Group on Passive cluster node eventually produces an error.
D-09041	Unexpected behaviour when opening an unsaved, but applied filter, with respect to New and Save & New.
D-09043	java.lang.NullPointerException when database information not defined in opswise.properties file.
D-09048	Forecast not honouring the Override Calendar option.
D-09094	Promotion to Passive node can produce misleading command status in console.
D-09095	Trigger event not deleted if trigger launches multiple tasks and one of those tasks is a workflow that cannot be launched due errors, such as, an invalid task reference, or a task with an invalid broadcast cluster reference.
D-09106	Next Scheduled Time is not correct when Time Trigger Time Zone is different from the server and triggered by Time Interval.
D-09110	Next Scheduled Time not calculated correctly when Trigger Time Zone and Server time are on different date.
D-09112	Next Scheduled Time not calculated correctly when enable/disable the Offset.
D-09114	Web Service ops-trigger-now and ops-task-launch should validate timezone.
D-09115	The "Purge Instances" Server Operation does not delete Web Service events.
D-09116	"Purge Instances" Server Operation should not purge Application State subscriptions.
D-09117	"Purge Instances" Server Operation can leave the underlying email monitoring service running for Email Monitor tasks.
D-09128	Web Service System Operations - 'Create task failed. Could not find the specified operation: Run Task Instance Command.
D-09131	"Purge Instances" Server Operation does not delete in-memory task instance timers.
D-09137	Late Start/Late Finish/Early Finish with time between 02:00 and 02:59 resolves to the wrong time when launched on or after 03:00 on the DST start date.
D-09141	Improve OMSException Message when java.net.NoRouteToHostException is displayed by adding the target OMS host.
D-09145	Condition dialog can display off-screen when opening the Condition dialog from an edge near the graph border.
D-09151	Web Service, Change User Password, does not clear the Password Requires Reset flag when a user executes the operation from a Passive node to change his/her own password.
D-09155	List Users and Read a User Web Services should properly handle case where Role cannot be found.
D-09169	Web Service - an extra comma added to the end of the message when Update Scripts, SNMP Managers and all Connection types failed.
D-09178	Muti-update - Add filter to omit z/OS agent from Utility Agent selection.
D-09195	BackupBean missing index hints for ops_exec_email_criteria table.
D-09196	If "opswise.ldap.users.update_memberships_on_login" is enabled, and group membership gets updated during standard login (with LDAP authentication), user's permissions/roles cache is not automatically updated.
D-09198	A user with ops_admin role, who has the ops_admin role revoked after login, can still load (read-only) the LDAP Settings record.
D-09205	Workflow Task Run Criteria - the workflow is added to the the drop down list when using 'Update & View 'or Insert & View' to update/create a Task Run Criteria.
D-09210	Agent/Agent Cluster pickers for Agent Cluster membership not honoring permissions.
D-09227	Web Service API for creating a user allows required First Name field to be blank.

D-09233	Under a specific circumstance, built-in variable \${ops_trigger_time} is not being generated in the server timezone.
D-09236	Show Variables report can display some date/time built-in variables with an incorrect timezone if the user's time zone preference is different from the server time zone.
D-09254	DatabaseException for Cannot insert duplicate key row in object 'dbo.ops_variable' with unique index 'ops_variable_name'.
D-09257	Log contains clear text password for email read service.
D-09259	Running a web service against a passive node can fail due to a serialization error when attempting to route the command to the active node.
D-09268	Should not be able to delete an agent if it is referenced by an Application.
D-09296	User without Calendar Update permission can add a new Custom Day to Calendar via Custom Day->Calendar tab Edit picker.
D-09299	Universal Template Text Field 10/Text Field 20 both mapped to Text Field 10 on the Universal Task Instance form.

## Release 6.4.5.1 - May 31, 2018

Change ID	Description
D-09148	When system properties are dumped to the log on a rollover, the system property, "javax.net.ssl.trustStorePassword", is not masked.
D-09158	<a href="#">Time Trigger</a> with Time Zone of Europe/London and absolute Time of 23:15 does not trigger on BST start date (last Sunday of March).
D-09170	<a href="#">SAP Job Name/ID</a> form labels incorrectly suffixed with (Start).
D-09176	Script and Credentials drop-down lists can stop showing matches.
D-09183	Add "debug: false" and "allow.return.stacktrace: false" framework properties to "server.properties" in Universal Controller jar file.
D-09184	Add ability to suppress exception message when framework RPC request unexpectedly produces an exception.
D-09199	In cases where DatabaseName=<dbname> is not specified on the JDBC URL for <a href="#">MS SQL Server</a> , the connection used for install/maintenance processing, produces error "Invalid object name 'table-name'".
D-09209	<a href="#">Export-&gt;XML</a> for Bundle not including membership information for explicitly bundled Universal Templates.
D-09211	<a href="#">Bulk Export</a> not exporting table ops_bundle_unv_tmplt_join, which includes membership information for explicitly bundled Universal Templates.
D-09226	"Connection reset" for long-running <a href="#">RESTful Web Service Task</a> with no capability to <a href="#">enable socket keep-alive</a> for circumventing it.

## Release 6.4.5.0 - March 23, 2018

Change ID	Description
B-02949	Display confirmation when a user is attempting to launch a workflow, from the <a href="#">Workflow Editor</a> , that has unsaved changes.
B-05368	Add ability to specify <a href="#">Late Start</a> , <a href="#">Late Finish</a> , and <a href="#">Early Finish</a> Time greater than 24 hours.
B-08826	Change label for <a href="#">Credentials</a> "Convert" button to "Convert..." since it takes input.
B-08854	Review/Change "Label" and add "Hint" for <a href="#">Credentials</a> "Key Location" field.

B-09029	Add support for setting/modifying an SAP Connection as a variable through the <a href="#">Web Service API</a> .
B-09120	Add mouse-over hover display in New <a href="#">Business Service</a> Details.
B-09186	Enhance Tasks tab in <a href="#">Agent</a> Details to include File Transfer Tasks with references to the Agent in the Source/Destination UDM Agent field in addition to the standard Agent reference field.
B-09199	Allow a <a href="#">Workflow task instance</a> to be created even if it contains a Task definition with an invalid Cluster Broadcast reference.
B-09211	<a href="#">SAP Task web service</a> property "repositoryOrFilesys" is documented to support options "Script Library" and "File System", however, we should add support for alias Script to bring API in-line with user interface options.
B-09239	Use https for Contact Us URL opened by <a href="#">Support Portal</a> pane.
B-09241	Change how the <a href="#">Video Classroom</a> URL in Universal Controller is opened/displayed to handle the change in location to Zendesk.
B-09299	Remove the SAP Job ID field required constraint for certain <a href="#">SAP Task command groups</a> .
D-02740	<a href="#">CLI</a> response should consistently use "No <definition-type> found matching: *" rather than "No <definition-type> found matching: null" whenever a name wildcard is left unspecified and no matches are found.
D-06194	File / Task / Variable / Email Monitor field drop-down for File / Task / Variable / Email Monitor <a href="#">Composite Trigger</a> components shows irrelevant 'Type' column for filtering.
D-06282	Display issues with <a href="#">multi-tab</a> navigation controls.
D-07573	Universal Controller requires better handling of messages rejected due to com.stonebranch.universal.net.InvalidEncodingException.
D-08659	When creating a new <a href="#">Stored Procedure task</a> parameter, the audit Description field should not display the entire parameter definition.
D-08715	Restoring a <a href="#">Custom Day</a> version should dispatch a change event if any scheduling fields have changed.
D-08954	MySQLIntegrityConstraintViolationException when trying to create a <a href="#">promotion target</a> with a name that already exists.
D-09091	Changing the User Id field for a <a href="#">User</a> does not update the <a href="#">Visible To</a> field for Bundles.
D-09092	Should not be able to click the "Edit..." button for the <a href="#">Visible To</a> field in Bundle Details if user does not have read permission for users.
D-09098	When switching from protocol UDM to FTP in a <a href="#">File Transfer task</a> , NULL out the Source and Destination UDM Agent(s).
D-09099	Fetch operation "findUserReferencesPlus" not defined on the user datasource.
D-09109	When <a href="#">Promote Bundle Definition</a> is enabled, unable to re-promote Bundle if a <a href="#">Universal Template</a> is added explicitly to Bundle.
D-09111	"Unable to find field label 'ops_custom_day_v.category.label'" when restore <a href="#">Custom Days</a> and Category changes from a period to non-period.
D-09130	<a href="#">Task instance</a> with an Early Finish Time can be marked as finishing early if the task instance completes after the Early Finish Time.
D-09135	<a href="#">Time Trigger</a> does not fire on DST start date if using an absolute time between 23:00 and 23:59.

## Release 6.4.4.0 - January 31, 2018

Change ID	Description
B-05949	Refactor <a href="#">LDAP</a> refresh to process each user/group record as a separate transaction.



B-08859	Add start-up property providing the ability to filter users based on <a href="#">group membership</a> for directory servers that do not support the group membership attribute for users.
B-08918	Add <a href="#">Agent Credentials Required</a> Universal Controller system property to allow making agent-based task credentials mandatory.
B-08958	Add two additional <a href="#">Universal Template/Task</a> credential field mappings.
B-09028	Modify the Controller to increase the maximum <a href="#">Credentials</a> password size that can be sent to the agent to 512 characters.
B-09030	Remove the <a href="#">Hold Resources on Failure</a> option checkbox for <a href="#">Workflow Tasks</a> .
B-09089	Add Group Email field to <a href="#">Group Details</a> and provide default LDAP Mapping.
B-09099	Add start-up property to specify that <a href="#">LDAP groups</a> are always processed upon successful login.
B-09100	Add index on "source" column for the ops_user and ops_user_group <a href="#">tables</a> .
B-09114	Add start-up property to set the <a href="#">characterEncoding</a> value for MySQL JDBC URL.
B-09116	Add <a href="#">Functions</a> for escaping Strings for insertion into XML ( <a href="#">_varEscapeXml</a> ), JSON ( <a href="#">_varEscapeJson</a> ), JavaScript ( <a href="#">_varEscapeJavaScript</a> ), HTML ( <a href="#">_varEscapeHtml</a> ) and regular expressions ( <a href="#">_varLiteralPattern</a> ) and a function for generating a random String ( <a href="#">_randomString</a> ).
B-09129	Add explicit password (and passphrase) length validation to <a href="#">Credential Web Service</a> Create and Update APIs.
D-09045	Virtual "Visible To" field on <a href="#">Reports</a> (and <a href="#">Filters</a> ) should not have sort enabled.
D-09054	Fix label for "copy_script" command in message and audit.
D-09056	<a href="#">Time components</a> for Composite triggers do not get re-enabled when Restriction fields are changed.
D-09057	Local Custom Day report should show all Local Custom Days, regardless of Calendar Read permission, when <a href="#">Strict Business Services Membership Read Constraints</a> is false.
D-09062	Date Restriction values for <a href="#">Execution Restriction</a> evaluated in UTC instead of Server Time Zone.
D-09074	Web Service for reading an <a href="#">Email Task</a> does not include the Reply To field value.
D-09076	Web Service for <a href="#">z/OS Task</a> should use "Restart Using Directives" option name for Restart Criteria instead of "Restart From Directives" for consistency with user interface.
D-09077	Web Service for <a href="#">z/OS Task</a> should use "Use Restart Criteria" option name for Auto-Restart Option instead of "Restart From Criteria Table" for consistency with user interface.
D-09078	Email <a href="#">Credential type</a> not using its own key as intended.
D-09080	<a href="#">Universal Template Fields</a> tab losing sort by Sequence after re-ordering fields and clicking Refresh.
D-09086	Encrypted passphrase value appearing in the <a href="#">audit</a> ; it should show as ***** comparable to encrypted password.
D-09088	Default agent credentials not utilized by <a href="#">Application</a> when Application does not specify Credentials.
D-09090	<a href="#">Execution Restriction</a> should use Created Time instead of Launch Time if there is no Trigger Time.

## Release 6.4.3.0 - December 27, 2017

Change ID	Description
B-03459	Add ability to temporarily Run, Skip, or Hold a particular task by specifying <a href="#">Execution Restrictions</a> .

B-05453	Add support for JSON to all <a href="#">RESTful Web Services</a> .
B-06182	Modify the Universal java networking component to <a href="#">support TLS v1.2</a> .
B-06494	Add ability to share <a href="#">dashboards</a> with Everyone, or with a group you are a member of, and customize your own dashboard show/hide configuration.
B-08615	Allow administrator-defined text to be displayed on the Login page by configuring the <a href="#">Login Disclaimer</a> Universal Controller system property.
B-08806	Add <a href="#">Tree View</a> action for displaying a workflow instance in a hierarchical view.
B-08810	Mark the Email Content Processing field as read only when creating or reading an <a href="#">Email Monitor task</a> from a Email Monitor Trigger/Trigger Component.
B-08811	Loosen validation for trigger <a href="#">custom day</a> references (both local and global) when changing custom day category to a period (or from a period).
B-08821	Add validation on <a href="#">Time Scopes/Limits</a> (monitors...) to not allow values that compute too far in the future.
B-08825	Add a <a href="#">Details menu</a> for vertex in Workflow Editor/Monitor.
B-08828	Add a <a href="#">View/Edit In Tab</a> menu item from Workflow Editor/Monitor.
B-08846	Security - CVE Alert (CVSS: 7.5) CVE-2016-100031 Apache Commons FileUpload DiskFileItem File Manipulation Remote Code Execution.
B-08847	Security - CVE Alert (CVSS: 7.8) CVE-2016-3092 MultipartStream class in Fileupload before 1.3.2 allows remote attackers to cause a denial of service via a long boundary string.
B-08869	Add ability to disable storing a ResultSet on the <a href="#">SQL</a> and <a href="#">Stored Procedure</a> tasks.
B-08889	Add ability to specify <a href="#">passphrase for SSH key file</a> for SFTP tasks.
B-08903	Add <a href="#">Tree View</a> action for displaying a workflow in a hierarchical view.
B-08906	Add log message when <a href="#">workflow task instance</a> cannot be generated at scheduled trigger time due to invalid task reference.
B-08911	<a href="#">Credential Field Tool Tips</a> .
B-08959	Expose Task Type-specific operations from <a href="#">All Tasks List</a> (and <a href="#">Tree View</a> ) comparable to Task Instances List.
D-02720	<a href="#">Agent</a> name length exceeded if qname is set to max length.
D-05018	Remove unused fields from <a href="#">z/OS Task</a> filter.
D-05023	Remove unused fields from <a href="#">Manual Task</a> and <a href="#">Timer Task</a> filter.
D-06199	Multi-update of two or more triggers with different <a href="#">types</a> allows selection of an invalid Action.
D-06895	Remove New button from task instance Virtual Resources tab for <a href="#">workflow task instances</a> .
D-08860	Prevent multiple concurrent calls to Restart.
D-08886	Condition criteria should be read-only in <a href="#">Workflow Forecast</a> .
D-08905	Web Service - Same error message in the log twice when create/update a <a href="#">User web service</a> failed.
D-08918	<a href="#">List Import</a> (and <a href="#">Bulk Import</a> ) should only process regular files in the import directory.
D-08920	Specifying a blank Queue Depth for a <a href="#">Composite Trigger</a> should use the default (100) instead of NULL for the queue_depth column value.
D-08921	Interval <a href="#">Time Trigger</a> with Restrict Times of 00:00-23:00 and Adjust Interval to Enabled Start does not compute correct times.

D-08928	Controller Properties - Entering a Very Long <a href="#">Agent Prefix</a> Causes a Data Truncation Exception.
D-08931	Interval <a href="#">Time Trigger</a> with Restrict times that start in DST gap when time adjusts backwards begin on the adjusted (later time) not the first valid time.
D-08944	<a href="#">Time Trigger</a> - Restrict allowed time interval value.
D-08949	<a href="#">Variable Monitor</a> task instance should go Start Failure if Variable Name unresolved at runtime.
D-08952	Open/Open In Tab not working for <a href="#">Promotion History</a> Item.
D-08956	Create/Update <a href="#">Task Web Service</a> - Duration fields are not validated.
D-08957	<a href="#">Email Monitor</a> Connection with STARTTLS fails with "MessagingException: No login methods supported!"
D-08959	Read <a href="#">Universal Command Task Web Service</a> - 'Command or Script' field is not set.
D-08960	Clear "Script" (or "Command") field upon saving a <a href="#">Universal Command Task</a> when "Command or Script" field changed from Script to Command (or from Command to Script).
D-08961	<a href="#">Email Connection</a> drop-down list of connections disappear.
D-08963	Server, and ultimately the <a href="#">Properties web service</a> API, not enforcing System Identifier 20-character maximum consistent with user interface restriction.
D-08969	<a href="#">Variable Monitor</a> task instance should go Start Failure if Variable Name resolves to an invalid variable name.
D-08970	Remove unused fields for <a href="#">Application Control</a> and <a href="#">Email Task Read Web Service</a> .
D-08971	When updating several user preferences, <a href="#">Audit</a> message displays raw value, not display value.
D-08972	Refreshing <a href="#">SQL</a> , <a href="#">Stored Procedure</a> , and <a href="#">Email Monitor</a> task instance from from Running status to non-Running status, will show some fields modifiable even if user cannot Update the record.
D-08973	Fields that are not shown by default on new <a href="#">Details</a> are not getting marked read-only when the entire Details is marked read-only; for example, when a user does not have update permission for the record.
D-08975	<a href="#">Variable Monitor</a> Type field is not marked read-only when Variable Monitor form is read-only.
D-08976	Setting an invalid and extremely long Export Path can create <a href="#">Audit</a> record commit exception.
D-08983	ConcurrentModificationException in OMSNetworkManager during failover.
D-08990	Task - created by <a href="#">Web Service</a> - Keeps saying the form has been modified upon refresh or selecting another task.
D-09004	<a href="#">z/OS Task</a> - STDErr and STDOuT in the output when Retrieve Output the first time after login.
D-09014	Changing the SAP Connection for an <a href="#">SAP Task</a> via the <a href="#">multi-update</a> feature can result in "Form has been modified" pop-ups when switching between records.
D-09044	Receive After/Before Date and Sent After/Before Date not displayed in the <a href="#">Email Monitor</a> tasks list.
D-09047	<a href="#">Forecast</a> should use Trigger Time for forecasting of children within child workflow not the child workflow (estimated) Launch Time.
D-09055	<a href="#">Custom Day</a> "List of Dates" widget toolbar can be orphaned if the Details transitions from read-only mode to editable mode due to user being granted calendar update permission.

## Release 6.4.2.0 - October 3, 2017

Change ID	Description
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B-02947	Add support to Calendars for specifying <a href="#">Local Custom Days</a> .
B-03073	Facilitate email monitoring and triggering by adding an <a href="#">Email Monitor Task</a> and an <a href="#">Email Monitor Trigger</a> .
B-03142	Add Skip Path task instance command for the Run Task Instance Command <a href="#">System Operation</a> action, which provides a mechanism to automatically mark a grouping of tasks as not necessary to run for a workflow to complete.
B-03617	Enhance <a href="#">Restart Cluster Node</a> server operation to allow for performing a controlled failover.
B-03647	Remove Output tab and Retrieve Output action for the <a href="#">File Monitor</a> task instance, as they are not applicable.
B-03974	Provide Email Template tab in the <a href="#">Email Connection</a> Details.
B-04260	Add <a href="#">Database Connection</a> permission type to allow for more granular security by Business Service membership.
B-04468	Add <a href="#">View Potential Matches</a> action for running Task Monitor instances to allow for displaying potential qualifying task instances.
B-04531	Add <a href="#">Resolve Name Immediately</a> field to all Task Details to allow for immediate resolution of task instance name at launch/trigger time.
B-04546	Add <a href="#">Email Template</a> permission type to allow for more granular security by Business Service membership.
B-04647	Allow <a href="#">Task Monitors</a> to resolve variables specified in the Task Name Condition field using a new Resolve Task Name Condition field.
B-04684	Add <a href="#">Show Variables</a> task instance action for displaying variables of a task instance, including variables inherited from a workflow, a trigger, or defined globally.
B-04760	Add <a href="#">ops_audit_view</a> role to allow users without the ops_admin role to view (read-only) Audits.
B-04790	Add Equals option to the Task Name Condition field to allow for more loosely monitoring a specific task with a <a href="#">Task Monitor</a> .
B-04991	Add ability to copy a Task vertex or a group of Task vertices (including dependencies) between <a href="#">Workflow Editors</a> .
B-05154	Add Workflow connector (dependency) hover enhancements, along with ability to navigate to the source vertex and the target vertex using the Go To Source and the Go To Target actions, respectively.
B-05158	Add tab navigation improvement; specifically, <a href="#">return to last visible tab</a> on tab close.
B-05281	Add ability to revoke implicit Read permission for Agents using the new <a href="#">Strict Business Service Membership Read Constraints</a> Universal Controller system property.
B-05283	Add <a href="#">Agent Cluster</a> permission type to allow for more granular security by Business Service membership.
B-05358	Add check to prevent <a href="#">cluster node</a> from performing schema maintenance if it has already been started by another node.
B-05380	New <a href="#">Exclude on Existence</a> Bundles and Promotion feature to allow for excluding specific types of definitions from the promotion if they already exist on the target server.
B-05385	Add ability to customize (and persist) the <a href="#">order of Dashboard tabs</a> .
B-05588	Add ability to schedule a <a href="#">Data Backup/Purge</a> for the current day.
B-05591	Add enforcement of Read permission for references when creating/updating definitions through <a href="#">web service APIs</a> .
B-05599	Disable Delete menu item for an <a href="#">Active task instance</a> .
B-05679	Add Copy action for <a href="#">Scripts</a> .
B-05751	Add <a href="#">Top-Level Workflow Task Instance ID</a> built-in variable for the top-level workflow ID of a task instance.
B-05820	Show invalid task references in the Task(s) field of a <a href="#">Trigger</a> as a UUID, rather than omitting them.

B-05998	Add ability to revoke implicit Read permission for Credentials using the new <a href="#">Strict Business Service Membership Read Constraints</a> Universal Controller system property.
B-06131	Web Service - List Custom Day/Local Custom Day Qualifying Dates/Periods.
B-06133	Change <code>Predecessors Satisfied Time is after End Time</code> log message to INFO log level (rather than WARN log level).
B-06154	Provide mechanism for <a href="#">removing non-system Users and Groups</a> Server Operation (for example, after an LDAP Refresh with incorrect filters).
B-06158	Add ability to enforce Read permission for Forecasts, by Task permission (or by new <code>ops_forecast_view</code> role), using the new <a href="#">Strict Business Service Membership Read Constraints</a> Universal Controller system property.
B-06159	Add ability to revoke implicit Read permission for Virtual Resources using the new <a href="#">Strict Business Service Membership Read Constraints</a> Universal Controller system property.
B-06160	Add <a href="#">SNMP Manager</a> permission type to allow for more granular security by Business Service membership.
B-06161	Add <a href="#">Email Connection</a> permission type to allow for more granular security by Business Service membership.
B-06162	Add ability to revoke implicit Read permission for Calendars using the new <a href="#">Strict Business Service Membership Read Constraints</a> Universal Controller system property.
B-06211	Add support for the <a href="#">Stored Procedure</a> task Stored Procedure Parameter with Global variable scope for output parameter value assignment.
B-06213	Add <a href="#">SAP Connection</a> permission type to allow for more granular security by Business Service membership.
B-06404	Trim whitespace from <a href="#">LDAP user</a> and group filters to prevent query syntax error.
B-06465	Add Halt On Force Finish field to <a href="#">Abort Action</a> to allow Force Finish (Halt) and Force Finish/Cancel (Halt).
B-06479	Set the Value Monitor Type field to Change when creating a new <a href="#">Variable Monitor task</a> task from the <a href="#">Variable Monitor trigger</a> Details.
B-06508	Web Service API - Add ability to query <a href="#">tasks</a> and <a href="#">task instances</a> "older than N days" by supporting a new <code>updatedTimeType</code> of Older Than.
B-06884	Allow a calendar in a (child) workflow to <a href="#">overwrite</a> the calendar of the trigger or parent workflow.
B-06906	Web Service - List Qualifying Times by Trigger for <a href="#">Cron</a> and <a href="#">Time</a> web services.
B-06930	Send System Notification on <a href="#">Set Variable Action</a> failure (applies only when variable scope is Global).
B-07054	Add capability to <a href="#">clone a Workflow</a> .
B-07092	To allow for disabling Script type Scripts, add <a href="#">Windows/Linux Scripts Permitted</a> Universal Controller system property.
B-07093	To allow for disabling global Custom Days, add <a href="#">Custom Day Global Permitted</a> Universal Controller system property.
B-07096	Add ability to disable output retrieval at the <a href="#">Agent</a> level with a new Retrieve Output Prohibited option.
B-07254	Add new <a href="#">Promotion Accept Bundle Create/Update Permission Required</a> Universal Controller system property to allow for enforcing stricter Accept Bundle constraints.
B-07268	Web Service - List / Get / Update <a href="#">Properties</a> .
B-07281	Add <a href="#">Oracle</a> JDBC Driver jar dependencies for supporting Oracle XMLType datatype with <a href="#">SQL Tasks</a> .
B-07293	Add SQLException translation for <a href="#">SQL Server</a> pertaining to <code>SQLCode: 3980 SQLState: S0001</code> .
B-07298	Rename User Member Attribute to User Membership Attribute in <a href="#">LDAP Settings</a> Details.
B-07307	Transition any Running SQL/Stored Procedure task instances into <a href="#">In Doubt</a> status on start-up.

B-07308	Use transient event to issue a <a href="#">SQL Statement</a> cancel request to prevent blocking of the command.
B-07309	Move initial log entry for <a href="#">Force Finish</a> and <a href="#">Finish Finish Cancel</a> commands to the beginning of command.
B-07344	Add "origin" information when Launch and Trigger command invoked by <a href="#">System Operation</a> similar to Set Variable action.
B-07349	Generated <a href="#">Application Control Tasks</a> , by default, should be created with same Business Service membership as parent Application.
B-07361	Keep <a href="#">cluster node</a> paused on start-up if it was shut down in paused state.
B-07373	<a href="#">Script Command Permissions</a> : Add a check for read permission.
B-07374	Add ability to <a href="#">re-run a z/OS task</a> from Start Failure (that is, when Agent is configured with <a href="#">Retrieve Output Prohibited</a> ).
B-07429	Increase the <a href="#">LDAP Settings</a> User Filter and Group Filter columns from length 1000 to 4000.
B-08462	Resolve <a href="#">Custom Day references</a> for Complex Date and Qualifier when promoting <a href="#">Task Run Criteria</a> .
B-08463	Resolve <a href="#">Custom Day references</a> for Complex Date and Qualifier when list importing <a href="#">Task Run Criteria</a> .
B-08470	Disable <a href="#">Suspend/Resume Agent commands</a> in the user interface, comparable to Suspend/Resume Agent Cluster commands, if user lacks both ops_admin role and appropriate Permission.
B-08478	Add <a href="#">Email Monitor component</a> to the Composite Trigger.
B-08509	Transition any Running Web Service task instances into <a href="#">In Doubt</a> status on start-up.
B-08510	Increase size of <a href="#">Database Connection</a> URL from 200 to 2048.
B-08523	Add Business Day category to <a href="#">Custom Day</a> Details to complement Business Days of a Calendar.
B-08532	Ensure, where appropriate, escaping of all HTML-special characters in tab titles, form titles, drop-downs, labels, message text, etc.
B-08537	Add <a href="#">Custom Day Strict Mode</a> Universal Controller system property to enforce that a Custom Day referenced in Run Criteria belongs to the Calendar in use at run time.
B-08543	Loosen constraints on Enabled By user deletion if trigger has an <a href="#">Execution User</a> assigned; however, strengthen Unassign Execution User constraints.
B-08551	Use more precise error when Connection ID is undefined for both <a href="#">Email Task</a> and <a href="#">Email Notification</a> .
B-08558	Add option for <a href="#">Windows tasks</a> to control whether a new console window is created for processes that require desktop interaction (also applicable to Universal task/template).
B-08561	Increase the limit to 1000 for Trigger List Qualifying Times for <a href="#">Cron</a> and <a href="#">Time</a> triggers.
B-08591	Initialize the Universal Controller <a href="#">truststore</a> once when starting the Controller so that it is available without having to dynamically initialize it.
B-08593	<a href="#">List Task Instances</a> Web Service - Add late and lateEarly request properties.
B-08594	<a href="#">List Task Instances</a> Web Service - Add lateStart, lateFinish, and earlyFinish response properties.
B-08596	<a href="#">List Task Instances</a> Web Service - Add startedLate, finishedLate, and finishedEarly request properties.
B-08653	Limit character input to 10 characters for <a href="#">Universal Controller system properties</a> that can accept any Integer value (that is, Max Integer).
B-08790	Increase the height of Business Services Version Form to prevent the scroll bar from showing.
B-08795	Improve handling and error message for use case where password length exceeds UAG-UC message protocol limit.

D-03448	Promoting a <a href="#">Virtual Resource</a> with a different type does not check if the resource is in use.
D-04062	<a href="#">System Monitor</a> field for Mount Points and Drives suggests multiples.
D-05643	<a href="#">Details</a> section should not be collapsible when viewing form in pop-up window.
D-06324	Cannot update <a href="#">User Estimated Duration</a> field to blank.
D-06326	Suspend/Resume <a href="#">Agent Cluster Membership</a> web service response has null agent name if it cannot find cluster membership for agent Id.
D-06330	Set Agent/Agent Cluster Task Execution Limit commands should be ignored if there is no change to the task execution limit.
D-07027	<a href="#">FTP File Monitor</a> Details should visually indicate that FTP Credentials are required.
D-07442	Retry timer does not get cleaned up if a task with <a href="#">auto-retry</a> is finished due to conditional path processing and then re-run manually.
D-07460	<a href="#">Insert Task</a> from CLI and <a href="#">Insert Task</a> from Web Service does not show any error when both workflow instance id and workflow instance name are undefined.
D-07472	<a href="#">Restore Version</a> from pop-up behaves differently than <a href="#">Restore Version</a> from List/Details view.
D-07477	<a href="#">Restore Version</a> button should not be visible on <a href="#">Version Details</a> if user does not have the ops_restore_version role (running it will be prohibited by server).
D-07479	<a href="#">Server Info</a> button should not be visible on <a href="#">Promotion Target</a> if user does not have the ops_promotion_admin role (running it will be prohibited by server).
D-07481	Source Agent <a href="#">widget</a> should display in locked mode if user does not have ops_promotion_admin role.
D-07485	<a href="#">Trigger Details</a> - Setting Enabled Start/Enabled End and Time to blank results in NullPointerException.
D-07493	Remove Open In Tab from <a href="#">LDAP Settings</a> context menu.
D-07499	<a href="#">Workflow Monitor</a> will not display status when UAGSRV sends control character for Status Description.
D-07505	Add validation to prevent a script type change during a <a href="#">promotion</a> if it will create an invalid script type reference.
D-07513	Error trying to export results from a "dynamic" <a href="#">workflow forecast</a> (list).
D-07529	Filter on <a href="#">cluster node</a> shows two Passive values for Mode.
D-07531	Cannot multi-update Wait/Delay fields for <a href="#">Variable Monitor</a> tasks.
D-07536	The Control Navigation Visibility and Navigation Visibility fields in <a href="#">User Group Details</a> should not be updated when list importing an existing Group.
D-07554	<a href="#">Scripts</a> - 'Operation prohibited due to security constraints' when clicking Notes in the versions.
D-07560	Adjust Interval To Enabled Start should not be in the <a href="#">Time Component</a> Details of a Composite Trigger when Time Style=Time.
D-07567	Controller should support the JSS-CANCEL message for <a href="#">File Transfer Tasks</a> .
D-07569	Create/Update <a href="#">User Group Web Services</a> - Source field set to User Interface for UserGrmmemberBean and GroupHasRoleBean Audit Records.
D-07574	Subclasses of Externalizable DAO not using proper cache look-up key.
D-07591	ExecComparatorByStateChangedTime should protect against overflow.
D-07593	Some <a href="#">web services</a> are sending text data as XML media type, resulting in syntax error on client.
D-07594	<a href="#">Application Resource</a> Unix/Linux Agent and z/OS Agent reference fields should not allow filtering by type (consistent with Windows Agent reference field).



D-07595	Pop-up for an <a href="#">Agent / Agent Cluster</a> join record should have non-plural title.
D-07602	<a href="#">Audits</a> for Create User Group web service has incorrect status when create user group failed.
D-07609	Avoid creating an <a href="#">Audit</a> with an Unknown audit source for internal commands with the "no audit" option.
D-07612	<a href="#">LDAP Settings</a> Details should validate the length for text fields such as User Filter and Group Filter.
D-07613	Deletion of <a href="#">Business Service</a> should be prevented if referenced by Connections.
D-08614	Create/Update <a href="#">User Web Service</a> - Add additional info in the message when Create/Update failed due to invalid role.
D-08616	<a href="#">Task Monitor</a> will fail if leading spaces are entered into Relative Time Scope.
D-08633	<a href="#">SFTP File Monitor Task</a> instance should not show Transfer Mode.
D-08638	'Form has been modified. Changes will be discarded' when multi-update Database Connection field on <a href="#">SQL Task</a> and <a href="#">Stored Procedure Task</a> .
D-08649	Web Service Create/Update - Description of the <a href="#">Audit</a> record contains NULL when creating a [User with invalid permissions.
D-08654	Trigger Now/Launch Task <a href="#">System Operations</a> not sending System Notification when commands fail due to security constraints.
D-08656	DataSource listGridFilter: Received a request to execute an operation of type 'fetch' named 'findUserFilters', but this operation is not defined on the dataSource.
D-08660	<a href="#">List Importing</a> workflow XML containing corrupted graph XML does not propagate enough information about the error to the user interface console.
D-08667	<a href="#">Bulk Import</a> fails for agents due to agents registering via OMS after OMS is imported.
D-08675	Successful re-run following a Start Failure due to <a href="#">Virtual Resource</a> Execute authorization does not acquire Depletable Virtual Resource.
D-08677	Run Task Instance Command <a href="#">System Operation</a> not sending System Notification when commands fail due to security constraints.
D-08678	<a href="#">Mutually Exclusive</a> Edit Members slush-bucket control can display, for selection, already selected tasks, and itself, under specific Task permission configuration.
D-08682	Should not be able to add new <a href="#">Virtual Resource</a> to Task Instance if it is already assigned.
D-08683	When adding scripts to a <a href="#">Bundle</a> via slush-bucket, the control can display, for selection, already selected scripts, under specific Script permission configuration.
D-08695	<a href="#">List Export</a> of Trigger should clear the skip_count field like other operational fields.
D-08702	Should prevent <a href="#">Virtual Resource</a> type changes if the resource is in use.
D-08703	Validate <a href="#">z/OS restartable jobsteps</a> Step Code field when updated by user.
D-08707	java.lang.NullPointerException when launch a workflow with <a href="#">Set Variable Action</a> with Action Inheritance=Self/Children and Variable Scope=Global.
D-08708	Variable resolution will not use <a href="#">global variable</a> from cache if variable name is not lower-case.
D-08713	Running the Server Info command for a <a href="#">Promotion Target</a> from a passive node displays an empty Remote Server Information pop-up window.
D-08736	FTP Credentials Reference/Variable are mandatory on the <a href="#">File Transfer Task</a> (Transfer Protocol=FTP   SFTP   FTPS); however, when using a variable, can resolve to blank without Start Failure.
D-08743	java.lang.StackOverflowError when updating an enabled <a href="#">Time Trigger</a> or <a href="#">Time Trigger Component</a> of a Composite Trigger.
D-08765	<a href="#">System Operation</a> Details not detecting changes to Override Variables field when performing Insert operation.



D-08766	Specifying a MySQL database name containing an unsupported character prevents the Universal Controller from bootstrapping even after updating the <a href="#">opswise.properties</a> file.
D-08767	"origin" information is not in the <a href="#">Audit</a> Additional Information field when Launch and Trigger command invoked by System Operation with an override variable.
D-08770	Allowing <a href="#">workflow task instances</a> with the Calculate Critical Path field to build up indefinitely (without completing) can lead to OutOfMemoryError; add properties to customize critical path cache limits.
D-08782	Navigating up or down workflows in the <a href="#">Workflow Editor</a> does not detect changes.
D-08788	Certain characters can prevent Export of <a href="#">Dashboard</a> widget.
D-08790	If bootstrapping detects Schema Level is greater than Code Level, it should not indicate it is going to perform a maintenance; it should indicate there is a error.
D-08794	Changing from one Layout to another Layout with a different sort specification in the <a href="#">Activity Monitor</a> can kick off an unpagged & unfiltered fetch.
D-08795	"Form has been modified..." dialog appears when opening Unsaved <a href="#">Go To filter</a> and closing without changes.
D-08798	Custom Days - Audit record shows dayofweek   Sun -> 1 when Restore Version of <a href="#">Calendar</a> even if there is no change in dayofweek.
D-08800	<a href="#">Promoting</a> a Web Service Task to Universal Controller 6.3.0.0 does not include an error about Web Service Task minimum release.
D-08803	If <a href="#">Email Template</a> resolves to blank for <a href="#">Email Notification</a> , do not attempt look-up with blank name.
D-08812	<a href="#">SAP Task</a> Validation - Wrong field validated when command group is Create CM Profile or Set CM Criteria.
D-08814	<a href="#">SAP Task</a> Validation - Wrong field being validated when command group is Modify.
D-08816	Multiple "Ping" operations can build up if client requests get hung.
D-08829	<a href="#">Task Run Criteria</a> Validator is not validating that the complex noun global custom day belongs to the calendar in use.
D-08833	Unable to click navigation buttons after clicking Edit Fields in <a href="#">Report Details</a> (and prior to saving the report).
D-08834	<a href="#">Agent Down</a> should be processed immediately even if server is Paused.
D-08836	<a href="#">Task Run Criteria</a> Validator is not validating that the Complex Qualifier global custom day belongs to the calendar in use.
D-08841	<a href="#">Composite Trigger</a> Validator should not check if Custom Days used by Trigger Components belong to the Calendar when called by the web service.
D-08842	Database Exception, due to <code>ops_exec."execution_user"</code> field length, if user with user id > 40 characters launches task instance.
D-08855	<a href="#">Cron trigger</a> enables to Date in Past if using special Restrictions.
D-08857	Web Service - <a href="#">Composite Trigger</a> component Validator is not validating global custom day that belongs to the calendar in use.
D-08863	HTTP(S)/REST alias, HTTP, for <a href="#">Web Service Task</a> web services <code>protocol</code> property not being honoured.
D-08865	<a href="#">Wait Day Constraint</a> field should be cleared for stand-alone task instance when <a href="#">Workflow Only</a> is Yes.
D-08868	Terminate <a href="#">Heartbeat</a> threads on shutdown in the case where they are late completing.
D-08881	Credentials/User Multi Update <a href="#">Auditing</a> - Passwords are not Masked.
D-08890	<a href="#">LDAP Refresh (Asynchronous)</a> Server Operation should not re-schedule an LDAP refresh for 05:00.
D-08891	Web Service - Several create/update <a href="#">web services</a> are setting NULL value for Boolean columns, rather than FALSE.

D-08893	Web Service - NullPointerException while creating (or updating) a <a href="#">User</a> without including the <code>Permission opCreate</code> property.
D-08894	Web Service - NullPointerException if creating (or updating) an <a href="#">Email Monitor Task</a> without including the <code>useAdvancedCriteria</code> property.
D-08896	Web Service - NullPointerException while creating (or updating) a <a href="#">Stored Procedure Task</a> without including the <code>Stored Procedure Parameter isNull</code> property.
D-08897	Web Service - NullPointerException while creating (or updating) an <a href="#">SAP Task</a> without including the <code>wait</code> property when Command Group is Wait.
D-08900	Create/Update <a href="#">Agent Cluster Web Services</a> allow <code>suspended</code> property to be set.
D-08902	<a href="#">Promotion Schedules</a> list should not show Import and Export->XML/XML (Export References) menu items in the header context menu.
D-08904	User's <a href="#">navigation visibility</a> does not change when adding/removing <code>ops_admin</code> role from user after server already cached navigation visibility (on initial login).
D-08906	Icon after the <a href="#">User Defined Task Field</a> is not clickable when user only has Read permission for Task/Task Instances.
D-08915	<a href="#">Skip Path</a> command on a task instance within a large workflow that contains multiple routes to a number of the same vertices can take exceptionally long.
D-08912	<a href="#">Trigger</a> "Retention Duration" validation prohibiting value of 31 when "Duration Type" is Days, contrary to validation error message.
D-08922	Saving a custom <a href="#">Layout</a> with name " " (one space) overrides the System Default layout.
D-08926	<a href="#">Filter</a> "Save As..." command not functioning when used from a read-only <a href="#">Filter</a> .
D-08929	"Clear Filter" button should not be visible for read-only <a href="#">Filter</a> .
D-08930	Invalid visibility option displayed in Visible To drop-down if user views read-only <a href="#">Filter</a> (or <a href="#">Report</a> ) followed by modifiable <a href="#">Filter</a> (or <a href="#">Report</a> ).
D-08942	<a href="#">Composite Trigger Components</a> and Run Criteria - Save & New button does not clear the Details completely.
D-08936	<a href="#">Purge Instances</a> Server Operation is not disabling enabled <a href="#">Composite Triggers</a> with Variable Monitor Component.

## Release 6.4.1.3 - July 12, 2017

Change ID	Description
D-08669	<a href="#">Workflow</a> gets stuck due to <a href="#">Status History</a> size exceeding column limit.
D-08717	<a href="#">SAP Task</a> should remove integer validation rule for SAP Job ID field.
D-08718	<a href="#">SAP Task</a> Instance not checking SAP Credentials <code>Execute permission</code> for Execution User; only checking Utility (Agent) Credentials.
D-08720	<a href="#">SAP Task</a> Instance and <a href="#">Universal Command Task</a> Instance not defaulting to Utility Agent Credentials (optionally defined on Agent) if Utility Credentials are undefined.
D-08721	<a href="#">Universal Command Task</a> Instance not checking for UCMD Credentials <code>Execute permission</code> for Execution User; only checking Utility (Agent) Credentials.
D-08722	UCMD Credentials are required on the <a href="#">Universal Command Task</a> ; however, when using a UCMD Credentials Variable, it can resolve to blank without Start Failure.
D-08723	SAP Credentials are required on the <a href="#">SAP Task</a> ; however, when using an SAP Credentials Variable, it can resolve to blank without Start Failure.
D-08728	Web Service - GET <a href="#">SAP Task</a> does not populate the <code>jobName</code> and <code>jobId</code> properties.

## Release 6.4.1.2 - May 24, 2017

Change ID	Description
D-07525	<a href="#">Set Variable Action</a> can create a Java deadlock if more than one task instance is updating the same two global variables simultaneously.
D-07526	<a href="#">Group Permissions</a> are missing after performing list import of Group.
D-07544	Database exception logged when deleting a Group with granted <a href="#">Group Roles</a> .
D-07547	<a href="#">List Export</a> (CSV, XLS, XLSX only) - Reference fields are including a "</a>" after the expected data in the field.
D-07549	Default Value for a Credential type <a href="#">Universal Template Field</a> should display as a Reference field in the List view, not a UUID.
D-07551	<a href="#">Group</a> web service PUT does not create Group Roles when Group Role is inherited from a Parent.
D-07555	<a href="#">Create User Group</a> web service - Orphaned group_has_role record(s) created when User Group creation fails.
D-07572	<a href="#">Create User Group</a> - new group member does not inherit the Group Role.

### Release 6.4.1.1 - April 28, 2017

Change ID	Description
D-07488	Remove <code>javax.servlet-api-3.0.1.jar</code> from lib.
D-07491	Remove conflicting jar file for JAX-RS.
D-07503	<a href="#">Time Trigger</a> using Day Style of Every encounters "Recursion Count Max exceeded calling isValid."
D-07504	<a href="#">User Sessions</a> feature cannot be configured for Tomcat when using virtual host; expose configuration of <a href="#">Catalina Manager object name</a> .
D-07507	Increase the <a href="#">SQL Task</a> Command Field size limit from 10,000 to 20,000 as the user interface limit is too restrictive.

### Release 6.4.1.0 - April 12, 2017

Change ID	Description
B-02437	Add the <a href="#">Retrieve Output Maximum Lines</a> system property to specify the maximum number of lines permitted when retrieving output.
B-02614	Ability to view task instance Status History from both <a href="#">task instance</a> and <a href="#">History</a> records.
B-03378	Allow Time trigger <a href="#">Restrict Times</a> to be a "hard" start/end.
B-03870	Add <a href="#">System Operation Action</a> support for <a href="#">Launch Task</a> .
B-03871	Add <a href="#">System Operation Action</a> support for <a href="#">Trigger Now</a> .
B-04070	Introduce a new <a href="#">Data</a> script type and provide access to that data from another script through the use of the Script Path function.
B-04377	Enhancements to local user password hashing.
B-04572	Ability to specify a <a href="#">more aggressive purge</a> at the Trigger level for frequently firing triggers.

B-04695	Introduce new <a href="#">Tasks</a> tab on the Agent Details for for displaying all Tasks that reference a specific Agent.
B-04799	Add the <a href="#">Strict Report Create Constraints</a> system property to restrict report creation to only those with the ops_admin, ops_report_admin, ops_report_group, or ops_report_global role .
B-04867	Add ability to insert a Workflow into a Workflow Instance via the <a href="#">Insert Task</a> feature.
B-04937	Log thread stack trace when a cluster node is marked offline by another node.
B-05085	Web Service - Display Controller <a href="#">System Status / Information</a> .
B-05090	Web Service - Create / Modify / Delete / Read / List <a href="#">Groups</a> .
B-05239	Web Service - Create / Modify / Delete / Read / List <a href="#">Users</a> .
B-05405	List <a href="#">Logged on Users</a> .
B-05746	Add Variable support for Email Template field on <a href="#">Email Task</a> and <a href="#">Email Notification Action</a> .
B-05787	Add new <a href="#">Web Service Task</a> .
B-05884	Web Service - <a href="#">Run Report Definition</a> API: ability to run a report and return output.
B-05957	Add Re-run support for Run Task Instance Command <a href="#">System Operation Action</a> .
B-06156	Add <a href="#">Variable Monitor</a> component to <a href="#">Composite Trigger</a> .
B-06202	Web Services - Create / Modify / Delete / Read / List <a href="#">Agent Clusters</a> .
B-06270	Web Service API - Add agent suspended status to <a href="#">List Agents</a> API.
B-06275	Web Service API - <a href="#">Launch a Task</a> : response add SYSID in its own XML TAG.
B-06276	Web Service API - <a href="#">List Task Instance</a> by specific SYSID.
B-06313	Web Service API : Create / Modify / Delete / Read / List <a href="#">OMS Servers</a> .
B-06319	Re-design of application <a href="#">banner bar</a> .
B-06672	In addition to Table Name and Table Key, add Table Record Name field where applicable in <a href="#">Audit</a> record.
B-06713	Add support for <a href="#">custom</a> Banner Logo, Banner Logo URL, and Banner Background Color.
B-06746	Disable type filter editor on specific monitor reference field for <a href="#">Task Monitor</a> , <a href="#">File Monitor</a> , and <a href="#">Variable Monitor</a> triggers.
B-06747	<a href="#">Multi-update</a> : Disable type filter editor for Agent/Agent Cluster/Cluster Broadcast reference fields that are agent-specific.
B-06748	Generate a User Login <a href="#">Audit Type</a> audit when user session expires due to session timeout.
B-06754	Upgrade to the new Jersey 2.x library.
B-06757	Add validation to prevent a credential type change during promotion if it will create an <a href="#">invalid credential type reference</a> .
B-06758	<a href="#">Multi-update</a> of selected records from All Tasks list should allow updating mapped fields if all selected records are type Universal and have the same template ID.
B-06761	Add ability to filter on "Name/Value Pair" field types, like z/OS Task Parameters, in <a href="#">Lists</a> and <a href="#">Reports</a> .

B-06774	Add Node Id/Node Mode fields to <a href="#">Audit</a> records.
B-06775	Add more information to <a href="#">Audit</a> record for Bulk Import.
B-06777	Reduce the redundant logging when a database transaction fails with an UNKNOWN Translation (for example, Bulk Import).
B-06779	For <a href="#">File Transfer</a> task, add a new Transfer Protocol option (FTPS) and a new Move option. For <a href="#">FTP File Monitor</a> task, add a new Server Type (FTPS).
B-06781	Web Service API - Create / Modify / Delete / Read / List <a href="#">Credentials</a> .
B-06782	Web Service API - Create / Modify / Delete / Read / List <a href="#">Scripts</a> .
B-06788	Task List <a href="#">Export</a> - Add "label" attribute to the user-defined task field elements.
B-06790	Support Less and Plus offsets for <a href="#">Custom Day</a> Relative Repeating Date.
B-06795	Validate that the Agent input value is not empty when the Agent variable checkbox is checked.
B-06799	Remove redundant setting of before, after, and differences in audit in Update web services.
B-06802	Disable filtering on type in multi-update cell editors for reference fields where type is specific.
B-06804	Change default popup window height for <a href="#">SAP Connection</a> to avoid unnecessary scroll bars.
B-06809	Add ability to <a href="#">Re-run</a> distributed task instances directly from the In Doubt status.
B-06810	Allow <a href="#">Retry Indefinitely</a> to be disabled via the <a href="#">Task Retry Maximum</a> system property.
B-06811	Add Disabled By field for all <a href="#">Triggers</a> .
B-06812	Increase request timeout for <a href="#">Bundle report</a> .
B-06813	Web Service API - <a href="#">Agents</a> : Read/Update Agent Properties.
B-06838	Add URL parameters to verbose session logging (for example, opswise.session.logging.verbose=true).
B-06839	Web Service API - Create/Update <a href="#">File Monitor Task</a> : Validate toScale and byScale properties.
B-06848	Create Time Zone alias mappings as appropriate.
B-06849	Introduce a Day Logic option on the <a href="#">Cron Trigger</a> to allow OR logic for the Day of Month and Day of Week fields.
B-06850	Add Task Instance <a href="#">Queued Time</a> built-in variable ( <code>\${ops_queued_time}</code> ) to display the Queued Time.
B-06865	Add administrative support for <a href="#">logging out a user</a> (expiring a user's session).
B-06878	Improve <a href="#">Stored Procedure</a> Task/Task Instance "parameter" validation at Save/Update time.
B-06912	All Update <a href="#">Web Services</a> - Introduce a new attribute in the request to specify if only parent record should be updated.
B-06918	Upgrade commons-collections libraries to address Oracle Security Alert CVE-2015-4852.
B-06941	When opening an existing Web Service Payload, UDM Script, or SAP Definition <a href="#">Script</a> directly from the reference field icon in a Task Details, keep Script Type field read-only.
B-06958	SFTP <a href="#">File Transfer task</a> Details should not include transfer mode "Active/Passive/Extended Passive."
B-06964	Allow sorting of Oracle CLOB by using <code>dbms_lob.substr(xxxx, 1, 4000)</code> .

B-06965	Add ability to <a href="#">Re-run z/OS</a> task instances directly from the In Doubt status, in which case they will be re-submitted from the beginning.
B-06969	Web Service API - <a href="#">Trigger a Task</a> : add SYSID in its own XML TAG.
B-06978	Change <a href="#">FTP File Monitor</a> task label <b>List Format Options</b> to <b>Additional FTP Commands</b> .
B-06983	<a href="#">Data Backup / Purge</a> : Use Index Hints for Oracle.
B-07001	Add Refresh button to <a href="#">Audit Details</a> , in addition to the Refresh action available from the right-click context menu, for usability when monitoring a Backup/Purge audit while the backup/purge is still Running.
B-07002	Add ability to <a href="#">multi-update</a> user records.
B-07004	Ability to <a href="#">send an Email</a> from User Session window (if user has configured email address).
B-07006	Trust Store Initialization - Add a log message that the trust store has been initialized.
B-07028	Add support for maximum <a href="#">Adjustment Amount</a> for Time triggers with date adjustments.
B-07045	Provide a more direct access to <a href="#">View Children</a> feature from Workflow graphics (both for creating and monitoring).
B-07058	Enhance Web Services Runtime Exception Handling.
B-07066	Add Bulk Export History <a href="#">Server Operation</a> .
B-07068	Add Bulk Export Activity <a href="#">Server Operation</a> .
B-07069	Add Bulk Export Audit <a href="#">Server Operation</a> .
B-07091	Better handling of Status Descriptions that exceed the available column length.
B-07094	Add <a href="#">SQL/Stored Procedure Maximum Rows</a> system Property to globally limit the number of rows that can be returned from an SQL or Stored Procedure task.
B-07101	Double the height of any variable value form fields in the user interface to accommodate values with new line characters.
B-07110	Add support for maximum <a href="#">Adjustment Amount</a> for Composite trigger Time Trigger components of with date adjustments.
B-07122	Protect Java TransformerFactory from XXE.
B-07124	If the <a href="#">SQL/Stored Procedure Close Additional Result Sets</a> system property is set to true, ensure that each additional Result Set is closed when both Result Set and Update Count results are returned by <a href="#">SQL</a> and <a href="#">Stored Procedure</a> tasks.
B-07125	Add <a href="#">SQL/Stored Procedure Ignore Update Count If No Results</a> system property to disable creating a SQL Results record when <a href="#">SQL</a> and <a href="#">Stored Procedure</a> tasks do not return any results.
B-07129	Unhide the CLI Result Limit system property (and rename it <a href="#">CLI/Web Service Result Limit</a> ).
B-07152	Add support for <a href="#">Data Scripts</a> in distributed Command and Parameters fields.
B-07153	Add support for <a href="#">Resolvable Credentials</a> in distributed task Command and Parameters fields.
B-07156	Use "exit_code" from jssFilealertresp event when Start Failure and prohibit erroneous post-Start Failure jssFilealert event sent from <a href="#">UAG</a> from updating exit code.
B-07160	Change name of system property Retrieve Output Default Maximum Lines to <a href="#">Retrieve Output Default Number Of Lines</a> to avoid confusion with new property <a href="#">Retrieve Output Maximum Lines</a> .
B-07247	Allow a space (" ") or a tab ("t") to be accepted as a separator or a rowSeparator for <a href="#">SQL</a> task Results/Warnings functions.

B-07249	For <a href="#">File Transfer</a> tasks, unhide the SFTP type of Transfer Protocol, since UAG/UFTP now supports it.
D-06742	Web Service: Add Agent type validation for <a href="#">Agent</a> references.
D-06775	Web Service: Add Agent Cluster type validation for <a href="#">Agent Cluster</a> references.
D-07004	Should not be able to change non-composite <a href="#">Activity widget</a> to composite Activity widget if it is used by other Activity widgets.
D-07017	Fields on the <a href="#">Temporary Property Change</a> dialog have different font styles.
D-07026	<a href="#">Task Monitor</a> Details should visually indicate that the Task To Monitor field is required.
D-07055	<a href="#">Multi-update</a> should not allow updating the Interact with Desktop and Run with Highest Privileges fields for <a href="#">Universal Tasks</a> if the agent type is Linux/Unix.
D-07056	<a href="#">Multi-update</a> does not filter the Agent, Agent Cluster and Broadcast Cluster pick lists based on the agent type for the <a href="#">Universal Task</a> .
D-07061	<a href="#">Temporary Trigger</a> should not allow negative Skip Count.
D-07072	Duplicate agent specified in a promotion target <a href="#">agent mapping</a> should be removed on save.
D-07075	Duplicate Agent IDs should not be allowed to be <a href="#">imported</a> .
D-07087	<a href="#">Cron Trigger</a> with Criteria <b>0,30 0-1 * 11 7</b> has incorrect trigger times.
D-07088	List Qualifying Dates/List Qualifying Periods buttons should not be shown in the Details for a new <a href="#">Custom Day</a> .
D-07089	Cannot restore versions after <a href="#">Bulk Import</a> if <a href="#">Use Checksum Validation</a> system property enabled.
D-07094	Agent <a href="#">Limit Amount</a> - Wrong UI validation error if invalid integer entered.
D-07096	<a href="#">Widgets</a> on dashboard "flash" during refresh on Internet Explorer (since 6.3.x).
D-07108	<a href="#">Read Windows Task</a> web service returns runAsSudo property.
D-07110	<a href="#">Clear Time Wait</a> Web Service - a typo in the command response.
D-07112	Update <a href="#">Windows / Unix</a> Task Web Service - Script is not updated if <script> is empty.
D-07113	<a href="#">Multi-update</a> cell editor not using the default height for the Body field for <a href="#">Email Tasks</a> and <a href="#">Email Templates</a> .
D-07114	Read <a href="#">Variable Monitor Task</a> web service returns credentials and credentialsVar properties.
D-07116	Lazy load graph warning logged when performing <a href="#">multi-update</a> on <a href="#">Workflow</a> tasks.
D-07117	<a href="#">Multi-update</a> should exclude Run as sudo field for <a href="#">Windows</a> tasks.
D-07119	Unable to delete task instance from <a href="#">Activity Monitor</a> context-menu when task instance controlled via <a href="#">Business Services</a> .
D-07120	<a href="#">Multi-update</a> should exclude Group field for File Monitor tasks.
D-07122	When deleting an agent cluster, <a href="#">Delete permission</a> check should be performed prior to reference integrity check.
D-07124	<a href="#">Email Task</a> Report reference field is not cleared when changing to Report variable.
D-07126	<a href="#">User</a> can be deleted while the user is a Manager of a User/Group.

D-07129	If you <a href="#">log out</a> while your session is expired (and before the Session Expired dialog appears), you can receive the following exception in the client, "java.lang.IllegalArgumentException: convertToMap - unable to convert the passed JavaScript object to a Map. JavaScript is: "success"".
D-07131	<a href="#">Promotion</a> should fail when promote a <a href="#">Resolvable Credential</a> and the Resolvable Credentials Permitted=false on the target site.
D-07132	<a href="#">List Import</a> should fail when list importing a <a href="#">Resolvable Credential</a> and the Resolvable Credentials Permitted=false.
D-07137	<a href="#">Session Expired</a> login window should prevent multiple submissions (via Submit button and Enter key).
D-07138	Adding a <a href="#">role</a> to a group does not set Inherited to true when propagating the role to groups members.
D-07141	"Start Line" fields for Attach Standard Output/Error/File on <a href="#">Email Notification</a> should allow -1 (for end of file).
D-07142	Universal Controller can omit <a href="#">Standard Output</a> when attaching both Standard Output and Error, and attachment very large, and number of lines needs to be processed.
D-07148	Avoid swallowing exception in SqlEventHandler.setStoredProcedureParameter() call.
D-07149	<a href="#">Multi-update</a> should not allow updating the "Interact with Desktop" for Linux/Unix tasks.
D-07152	Backup Path, Data Backup/Purge Export Path, and Banner Logo should not accept all whitespace (" ") values.
D-07153	An undefined <a href="#">Stored Procedure</a> parameter Input Value for parameter mode Input (or Input/Output) can lead to NullPointerException for parameter type NUMERIC and potentially others.
D-07155	<a href="#">Web Services</a> : Some Create web service are inserting before data in the Audits.
D-07157	Controller should properly handle case variants in <a href="#">LDAP URL</a> .
D-07162	Move OMSNetworkManager shutdown to its own thread.
D-07166	<a href="#">Calendar</a> preview shows incorrect month label if user is in earlier/behind time zone from server.
D-07170	<a href="#">Widget</a> "click-through" list not always utilizing customized system default (or pinned) list view until panel with list opened.
D-07172	<a href="#">Multi-update</a> : 'Clear Field Value' checkbox displayed when click the 'Field Value' for a required mapped field of a Universal Task from All Tasks List.
D-07173	Ensure <a href="#">SQL / Stored Procedure</a> event data does not contain clear text credential passwords.
D-07177	<a href="#">Stored Procedure task</a> : 'No exit codes are specified for exit code processing.' error on the console when there is a zero in the field.
D-07179	Create/Update <a href="#">Universal Task Web Services</a> : Agent Cluster type is not validated.
D-07180	<a href="#">Web Services</a> : Add Cluster Broadcast type validation for Cluster Broadcast references.
D-07181	Calendars and Credentials lists in <a href="#">Bundle</a> Details always use plural label.
D-07182	Unable to find 'ops_email_template' record error when clicking on the Universal Template Details icon in a Bundle-> <a href="#">Universal Templates</a> Details.
D-07187	ServerUtils.initializeTrustStore should return immediately if truststore has already been initialized.
D-07190	'Lazy load graph' message in the log when using <a href="#">Web Service</a> to Update a Workflow.
D-07192	The operation for filtering 'Environment Variables' in Universal Task <a href="#">Report</a> should be 'is null', 'is not null', 'contains' or 'does not contain'.
D-07198	Should not be able to add a Time Scope to a <a href="#">Task Monitor</a> if it's referenced by a <a href="#">Task Monitor</a> trigger component.




D-07203	If you have a Universal, Windows, or Linux Task/Task Instance Details open, and create/read a <a href="#">Standard</a> credential type, the drop-down will be automatically populated with the invalid credential type. Similar issue applies for SAP/File Transfer Task/Task Instance and Universal Template Details.
D-07209	<a href="#">Cron Trigger</a> re-enablement due to Calendar/Custom Day change can cause it to run again when it should not.
D-07212	Should not allow to delete a <a href="#">Credential</a> if the Credential is referenced by a Credential Type field in a <a href="#">Universal Task</a> .
D-07215	If you click a <a href="#">List</a> system report, then a <a href="#">Chart</a> system report, some fields appear as non-read only.
D-07216	Some text in <a href="#">SQL Results</a> tab experiencing formatting issues.
D-07219	Details section for <a href="#">Composite Trigger</a> components is identical.
D-07223	The Adjustment Type field on the <a href="#">Time trigger</a> Details is too small.
D-07233	Unable to close the <a href="#">List Qualifying Times</a> window after moving it out of the browser viewport.
D-07234	The "Required If Field Value(s)" field remains required after changing the <a href="#">Universal Template</a> Field type to one that doesn't support being required.
D-07247	Trigger validators using wrong field name in error map for Date/Restriction Adjective and Qualifier fields.
D-07254	Some selection routes can cause not updated fields in task definition - <a href="#">SAP task</a> .
D-07255	Deleting a <a href="#">Custom Day</a> that is referenced by runtime criteria does not give me a reference error.
D-07262	'New Jobname', 'New Jobclass' and 'New Msgclass' are not greyed out but read only in the <a href="#">z/OS task instance</a> Details.
D-07267	java.lang.String cannot be cast to java.lang.Long error when running a Report if the filter criteria uses the between (inclusive) operator on an integer field.
D-07270	Non-extension tables do not get broken into 10,000 record files during <a href="#">bulk export</a> .
D-07271	<a href="#">Backup list</a> should disable Enable command for record if no Schedule specified.
D-07285	Reduce potential for database deadlocks when internal version purging operations run in parallel.
D-07287	<a href="#">Action URL</a> fails when first specifying wrong password (or change password required).
D-07301	<a href="#">Critical Path</a> caches can lead to exceptionally high memory usage over time.
D-07302	The <a href="#">background color</a> changed to grey when selecting <a href="#">Server Operations</a> (Chrome only).
D-07307	Enable, Disable, Run, Terminate menu actions missing from the <a href="#">Data Backup/Purge</a> Details context-menu.
D-07312	Task Reference is not handled correctly when Instance Look Up Option = Instance Name/Task In System Option/Step Action.
D-07319	Duplicate version numbers when updating Tasks (and other definitions) through <a href="#">Web Services</a> due to not acquiring definition lock.
D-07320	Avoid database unique constraint exception when creating a duplicate task through a <a href="#">web service API</a> using the retainSysIds=true attribute.
D-07322	SQL Exception when creating record with same sys_id, different name, through <a href="#">web services</a> , when retainSysIds=true.
D-07324	<a href="#">Time Trigger</a> with Date Adjustments does not calculate the time correctly on DST starts and ends.
D-07326	Do not dispatch (increment day usage) License change event from passive node.
D-07327	"View" menu item when right-clicking white space in graph not working in <a href="#">Forecast Workflow</a> view.

D-07331	"Unrecoverable error; unable to determine cause." when saving/applying a <a href="#">filter</a> with empty between (inclusive) values.
D-07335	Warning logged when selecting a <a href="#">User</a> record with a specified Manager or when clicking the drop-down list for the Manager item in the User Details.
D-07338	<a href="#">SAP Task</a> Validation: Job Name and Job ID are not being validated when the Command Group = Submit.
D-07339	<a href="#">SAP Task</a> : Script field is empty when creating a new SAP task with Command Group = Modify, Create CM Profile or Set CM Criteria
D-07343	Prohibit <a href="#">re-run</a> of child task instance if workflow container is deleted.
D-07353	Incorrect error message displayed for some <a href="#">system properties</a> when the entered value exceeded the MAX INTEGER value.
D-07355	<a href="#">Promotion</a> should fail when promoting an <a href="#">Email Task</a> / Task with an <a href="#">Email Notification</a> that use an Email Template Variable.
D-07366	For NULL Number Of Lines, the value from <a href="#">Retrieve Output Default Number Of Lines</a> is used; however, the client displays 100.
D-07371	<a href="#">Universal Template</a> Text Field 10/Text Field 20 values both being assigned to Text Field 10 value.
D-07379	Task records need server-side validation like <a href="#">Email Notification</a> records for number of lines.
D-07381	Blank field on Show Details for <a href="#">File Monitor Task Instance</a> .
D-07382	Trigger tab indicator in <a href="#">Calendar</a> Details shows existence of records even if user does not have <a href="#">Read permission for Triggers</a> .
D-07389	Bundles-> <a href="#">Universal Templates</a> tab does not indicate the existence of Universal Template records until clicking on the tab.
D-07394	Update the hint for the <a href="#">LDAP Settings</a> URL field to use Universal Controller instead of Automation Center.
D-07395	<a href="#">SQL / Stored Procedure</a> Task/Task Instance Details: Validate that Maximum rows is positive number.
D-07400	Default backup/purge directories not always created on Passive node, preventing data backup/purge from running after a controller fail-over.
D-07401	<a href="#">Database Connection</a> : Validate that Maximum rows is positive number.
D-07404	Unable to open <a href="#">Agent Cluster</a> versions with "open" Action URL.
D-07405	Unable to open Trigger and Task versions with "open" Action URL.
D-07406	Inconsistent sort when sorting by <a href="#">Custom Day</a> Date column.
D-07407	Exception classname appearing in validation error for License Key property validation.
D-07418	<a href="#">UDM File Transfer Task</a> (and other agent-based task instances) not using agent's default credentials when using Utility Credentials Variable and variable is blank (or resolves to blank).
D-07420	"Workflow Instance Name Condition" label missing from the <a href="#">System Operation</a> version Details.
D-07421	Virtual Resource variable field value not being cleared like other variable fields in <a href="#">System Operation</a> Details when switching operation.
D-07423	System Operation References and Exclusive References not exported by <a href="#">List Export (XML References)</a> for Workflow tasks.
D-07424	System Operation References and Exclusive References not exported by <a href="#">List Export (XML References)</a> for Task Monitor tasks.
D-07425	<a href="#">Audit</a> for "Suspend Cluster Membership" shows "name" in Description for Agent rather than real agent name.
D-07436	Task Reference field in <a href="#">System Operation</a> Detail should not allow creating new Task definition.

D-07437	Trigger Reference field in <a href="#">System Operation</a> Details should not allow creating new Trigger definition.
D-07453	Task Instance using <a href="#">Script</a> with checksum violation due to <a href="#">Member of Business Service</a> tampering should ensure Start Failure "prohibited due to checksum violation" takes precedence over "prohibited due to security constraints".
D-07456	Task with checksum failure cannot be launched manually or triggered; however, it's allowed to be launched by a workflow.
D-07458	<a href="#">Multi-update</a> allows adding/removing <a href="#">Business Services</a> that a user does not have explicit Update permission for if the user has Update permission for the current definition.
D-07459	Should not be allowed to <a href="#">Insert a task</a> with an invalid checksum.
D-07461	<a href="#">OMS Server</a> not reconnected after update the Network Timeout value.
D-07466	<a href="#">Forecasts List</a> dialog Label displays 'null' for Time Zone if Task Calendar is blank.
D-07469	<a href="#">Global Variable</a> with blank Value has invalid checksum after List Import.
D-07470	<a href="#">Local Variable</a> with blank Value has invalid checksum after Task/Trigger List Imported.

## Release 6.4.0.3 - February 13, 2017

Change ID	Description
B-06917	Add <a href="#">opswise ldap.groups.update_members</a> Universal Controller Start-Up property to disable updating group members when processing groups during LDAP Refresh.
B-07062	Upgrade packaged <a href="#">MS SQL Server</a> JDBC driver to 6.0. <div style="background-color: #ffffcc; padding: 10px; margin-top: 10px;"> <p> <b>Note</b> Any <a href="#">Database Connection</a> using the standard driver for MS SQL Server, or any Universal Controller using an MS SQL Server database for the Universal Controller database, would have a dependency on this driver.</p> </div>
B-07071	Add <a href="#">SQL/Stored Procedure Close Additional Results Sets</a> Universal Controller System property to ensure that each additional Result Set is closed in case of multiple Result Sets returned by the SQL and Stored Procedure tasks.
D-07214	<b>Save As</b> is not functioning correctly from read-only <a href="#">Built-In reports</a> .
D-07263	Scheduled <a href="#">LDAP Refresh</a> time changed from 05:00 to 00:00 (midnight).

## Release 6.4.0.2 - December 01, 2016

Change ID	Description
B-03725	Allow manual <a href="#">Re-run</a> for a task instance awaiting a scheduled automatic retry.
D-07087	<a href="#">Cron Trigger</a> with Criteria 0,30 0-1 * 11 7 has incorrect trigger times.
D-07119	Unable to delete a task instance from Activity context-menu under certain circumstances when Delete permission is controlled via <a href="#">Business Services</a> .

D-07125	Users and Groups <a href="#">Audit record</a> - Several fields are missing from Before and After.
D-07126	User can be deleted while the user is a Manager of a <a href="#">User/Group</a> .
D-07150	Starting server paused, prevents server from becoming active.
D-07160	Active Task Instances By Status <a href="#">widget</a> reporting incorrect results, including non-active Statuses, under certain user permission configurations.
D-07162	Move OMSNetworkManager shutdown to its own thread.
D-07170	<a href="#">Widget</a> "click-through" list not always utilizing customized system default (or pinned) list view until panel with list opened.
D-07173	<a href="#">Credentials</a> password is not encrypted in SQL events.
D-07184	Promoting a <a href="#">Universal Task</a> with a mapped Credential Field should not promote the referenced Credential when promoting without <a href="#">Follow References</a> enabled.
D-07186	<a href="#">Create Workflow Web Service</a> - Orphaned edge/vertex records created when workflow creation fails due to the issues with edge/vertex creation.

## Release 6.4.0.1 - October 21, 2016

Change ID	Description
D-07128	<a href="#">File Monitor</a> task instance always displays <a href="#">By Scale</a> as <b>KB</b> regardless of the underlying value.
D-07134	NullPointerException while a <a href="#">Task Monitor</a> with a specified <a href="#">Time Scope</a> is monitoring for a task instance in the past.

## Release 6.4.0.0 - October 12, 2016

Change ID	Description
B-02629	SAP Connection selection in <a href="#">SAP Task</a> does not allow for a variable.
B-02890	Request to have <a href="#">custom (or user-defined) fields</a> for tasks.
B-03861	Lock down <a href="#">Test Connection</a> operation for <a href="#">Email Connections</a> exclusively for <code>ops_admin</code> or <code>ops_email_admin</code> roles.
B-03862	Lock down <a href="#">Test Connection</a> operation for <a href="#">Database Connections</a> exclusively for <code>ops_admin</code> or <code>ops_dba_admin</code> roles.
B-04923	Add ability to navigate to a Controller record using a standard <a href="#">URL format</a> .
B-04975	Ability to purge/remove past dates manually (button) from <a href="#">Custom Day List of Dates</a> .
B-05060	Web Service - <a href="#">Task Instance Cancel</a> .
B-05061	Web Service - <a href="#">Task Instance Hold / Task Instance Release</a> .
B-05062	Web Service - <a href="#">Task Instance Force Finish</a> .
B-05063	Web Service - <a href="#">Task Instance Rerun</a> .
B-05064	Web Service - <a href="#">Task Instance Skip</a> .

B-05065	Web Service - <a href="#">Task Instance Set Priority</a> .
B-05066	Web Service - <a href="#">Task Instance Manual Task Set Started</a> / <a href="#">Task Instance Manual Task Set Completed</a> .
B-05067	Web Service - <a href="#">Task Instance Force Finish Halt</a> .
B-05069	Web Service - <a href="#">Task Instance Force Finish Cancel</a> .
B-05071	Web Service - <a href="#">Task Instance Force Finish Cancel Halt</a> .
B-05075	Web Service - <a href="#">Task Instance Skip Path</a> .
B-05077	Web Service - <a href="#">Task Instance UnSkip</a> .
B-05099	Web Service - Create / Modify / Delete / Read <a href="#">Manual Trigger</a> .
B-05103	Web Service - Create / Modify / Delete / Read <a href="#">Application Monitor Trigger</a> .
B-05272	Universal Tasks - All <a href="#">Universal Task</a> - and <a href="#">Universal Template</a> -related Backlog Items are captured by this single reference Backlog Item.
B-05786	Automation Center Navigation Pane <a href="#">Configurability</a> .
B-05865	Add log message when Run Task Instance Command <a href="#">system operation</a> is ignored when matching task instance id cannot be found.
B-05873	Web Service - Create / Modify / Delete / Read <a href="#">Universal Task</a> .
B-05913	Web Service - Create / Modify / Delete / Read <a href="#">Task Monitor Trigger</a> .
B-05917	Web Service - Create / Modify / Delete / Read <a href="#">Variable Monitor Trigger</a> .
B-06021	Web Service - Assign / Unassign Execution User <a href="#">Trigger web services</a> .
B-06098	Allow configuration of <a href="#">virtual page fetch size</a> used when scrolling List.
B-06141	Enhanced Custom Day List of <a href="#">Dates Picker</a> .
B-06169	Incorporate common task-specific Triggers tab into tabs for <a href="#">File Monitor</a> , <a href="#">Task Monitor</a> , and <a href="#">File Monitor</a> task types.
B-06192	Remove checking if the form has been modified for version forms.
B-06204	Web Service - <a href="#">List Business Services</a> .
B-06205	Web Service - <a href="#">List Calendars</a> .
B-06206	Web Service - <a href="#">List Custom Days</a> .
B-06208	Use consistent display names for variable scope options.
B-06209	Web Service - Added workflowId and workflowName XML Request parameters to the <a href="#">List Tasks</a> web service.
B-06212	Use consistent display names for transfer mode options.
B-06214	Log message when large count sizes are being queried.
B-06228	Change <a href="#">Version</a> tab count label from N <task-type> Task[s] to N <task-type> Task Version[s].
B-06234	Modify <a href="#">Tasks List</a> / <a href="#">Task Instances List</a> web services to take into consideration GMT offset when calculating updateTime.

B-06238	<a href="#">Task Instances List</a> Web Service - Add updatedTime to the response.
B-06240	<a href="#">Display Task Instance Status</a> CLI - Add Updated Time to the response.
B-06290	Allow configuration of <a href="#">virtual page fetch size</a> used when displaying data source bound drop-down options.
B-06345	Change initial "unset" <a href="#">Permission Type display value</a> to blank rather than --None--.
B-06364	<a href="#">Web Services</a> - provide a clearer message when PUT / POST a Procedure Parameter task with 'Variable Scope' = 'Global'.
B-06382	Web Service - <a href="#">List Tasks in a Workflow</a> .
B-06391	Set row span for List Options field in <a href="#">FTP File Monitor</a> task Details to prevent gap between rows.
B-06393	Cache Time Zone data source.
B-06414	<a href="#">Web Services</a> - Refactor parsing of the Boolean fields.
B-06416	<a href="#">Web Services</a> - Refactor parsing of the Integer fields.
B-06425	Implement <a href="#">Script Credential Access</a> for Distributed Tasks.
B-06449	<a href="#">Web Services</a> - Refactor parsing of the Decimal fields.
B-06461	Add <a href="#">Promotion History Retention Period In Days</a> system property.
B-06462	Add <a href="#">Save &amp; New</a> button to record Details when editing a new record.
B-06469	Web Service - <a href="#">Remove a Task from a Workflow</a> .
B-06470	Web Service - <a href="#">Add a Task to a Workflow</a> .
B-06471	Web Service - <a href="#">Modify a Task in a Workflow</a> .
B-06472	Web Service - <a href="#">List Dependencies in a Workflow</a> .
B-06473	Web Service - <a href="#">Add a Dependency to a Workflow</a> .
B-06474	Web Service - <a href="#">Modify a Dependency in a Workflow</a> .
B-06475	Web Service - <a href="#">Remove a Dependency from a Workflow</a> .
B-06482	Add <a href="#">Control Navigation Visibility</a> feature for User Groups.
B-06497	Provide additional response information (specifically, Task Instance Id, Vertex Name, Vertex Id) in <a href="#">List Predecessors / Successors of a Task Instance in a Workflow</a> web service and <a href="#">List Predecessors / Successors of a Task Instance in a Workflow</a> CLI function.
B-06498	Task Instance "Name" output provided in the <a href="#">List Predecessors / Successors of a Task Instance in a Workflow</a> web service and <a href="#">List Predecessors / Successors of a Task Instance in a Workflow</a> CLI function responses should display the "resolved" instance name once the instance name has been resolved.
B-06664	Clear old error message on <a href="#">login/change password pages</a> on submit.
B-06668	Tasks tab in the Linux/Windows <a href="#">Agent Clusters</a> Details should include the Universal Command (formerly Indesca) Tasks.
B-06703	Log the context name when starting up.
B-06718	For the Backup portion of <a href="#">Data Backup/Purge</a> , refactor to avoid use of recursion which can result in a stack overflow when a drastic change in backup/purge configuration is made.

B-06732	Increase <a href="#">Email Template</a> height to avoid scroll bar.
B-06734	Enhance <a href="#">Reset Virtual Resource</a> command to delete invalid/orphaned usage records.
B-06738	Add support for <a href="#">run_report</a> action URL.
B-06741	Add <a href="#">Save &amp; View</a> and <a href="#">Update &amp; View</a> Action menu items.
B-06743	Add support for <a href="#">URL-valued</a> user-defined task fields.
B-06765	Add "auto_retry=true" flag to a <a href="#">Failed</a> task instance status log message to indicate when an auto retry will be performed.
B-06773	Disallow "all space" user password on Save or Update from <a href="#">User</a> Details.
B-06789	Support for <a href="#">Microsoft SQL Server 2016</a> .
B-06803	Add support for built-in variable <code>#{ops_system_identifier}</code> to Task Instances, Agents, OMS Servers, and Cluster Nodes.
B-06815	<a href="#">Credential</a> Runtime Passwords, LDAP Settings Bind Password, Email Connection Passwords, Promotion Target Passwords, and Promotion Schedule Promotion Passwords to be encrypted using AES with 128 bit keys.
D-06321	Checksum failed when set the <a href="#">local/global variable</a> to null.
D-06346	<code>#{ops_trigger_task_name}</code> in Task Monitor resolving wrong instance's name.
D-06553	User interface <a href="#">Navigator icons</a> are not clickable / not functional after opening a report definition in a pop-up window.
D-06573	Workflow task with an <a href="#">Abort Action</a> in <b>Running</b> status can leave children stuck in <b>Waiting</b> status.
D-06599	Log and <a href="#">Audit</a> messages for ZosStepActionSysopBean should not include java object reference for operation.
D-06613	Should not be able to change Script Type if <a href="#">Script</a> is referenced by a <a href="#">File Transfer</a> (UDM) task.
D-06614	Transfer Type should default to <b>UDM</b> when creating a new <a href="#">File Transfer</a> task from <a href="#">Script-&gt;Tasks</a> tab.
D-06635	fetchMissingValue not always performed when value missing display value.
D-06643	Should not be able to change the Script Type when creating new <a href="#">Script</a> by clicking Form Icon next to field in specific Task type.
D-06681	Member of Business Services field not showing Loading... when fetching display names if multiple <a href="#">Business Services</a> is selected and display names not cached for one or more of those values.
D-06684	Click <a href="#">Forecast Calendar</a> "+N more..." menu repeatedly continues to push the Calendar canvas upwards, causing scrollbar to appear.
D-06686	<a href="#">Forecast Calendar</a> "+N more..." menu does not show all the items (if number of items exceeds the calendar height).
D-06692	java.lang.NullPointerException when starting the server if the <code>opswise.use.checksums</code> property has invalid checksum and system notifications are enabled.
D-06696	NullPointerException <code>BundleReportItem.equals(BundleReportItem.java:77)</code> .
D-06704	Trigger Update - <a href="#">Application(s) to Monitor</a> column is not refreshed properly when the monitoring type is updated.
D-06705	Web Service - 'Variable Scope' field in <a href="#">Stored Procedure Parameters</a> should not allow 'Global' as one of the options.
D-06706	Removing Script in task will not remove it from <b>used by</b> list in <a href="#">Script</a> , blocking a delete of script.
D-06711	<b>dayofweek</b> in <a href="#">Custom Day</a> Audits even if it is not changed.

D-06712	NullPointerException when launching a z/OS job with <a href="#">Restart Criteria</a> (Oracle database only).
D-06713	Add mapping into <a href="#">SQL</a> translation tables for SQLCode: 1654 SQLState: 72000 Message: ORA-01654: unable to extend index to handle as transient exception.
D-06714	<a href="#">Custom Day</a> List of Dates Picker - Previous instead of current highlighted date is selected (IE only).
D-06715	Wrong month displayed in the <a href="#">Custom Day</a> list of Dates Picker when user with US/Eastern timezone logon to a server with central timezone.
D-06716	<a href="#">Date chooser</a> component not using proper style for the year, month, and day selectors.
D-06723	<a href="#">Time Trigger</a> (Date Chooser) - The Date selection for List Qualifying Times is in a incorrect format and font.
D-06732	Version=1 in the <a href="#">Audit</a> for any type of definition that does not have version.
D-06743	<a href="#">Report Charts</a> showing boolean values as 0/1 for Oracle.
D-06744	Multi-update is not validating field length for fields that use the TextAreaItem as a cell editor.
D-06756	'Save As' button on the <a href="#">Report/Filter</a> does not work correctly if form invalid.
D-06757	The List Options form item is shown when selecting an <a href="#">FTP File Monitor</a> task/task instance with Server Type=SFTP.
D-06773	Investigate JavaScriptException while selecting System Default layout for <a href="#">Report</a> List.
D-06777	Re-running task instances within workflow - <a href="#">Audit</a> records have <b>Command Line</b> as a source instead of <b>Web Service</b> .
D-06789	Retry Exit Codes field missing from appropriate <a href="#">Lists</a> .
D-06791	Clicking the New button from the Task (or any) <a href="#">Details</a> , should clear the currently selected row in the List.
D-06795	<a href="#">Custom Layout</a> for <b>Properties</b> disappeared when log out and in again.
D-06799	<a href="#">File Transfer Tasks</a> List does not display Source and Destination Credentials as references.
D-06802	The User Id column on the <a href="#">Group Members</a> tab list is blank after adding User to Group.
D-06814	<a href="#">Task Monitor</a> task has undefined behavior when Workflow Name Condition=Equals and Workflow Name Equals blank.
D-06816	Variable Monitor Details section is not in the <a href="#">Variable Monitor Trigger</a> Details when open it the first time.
D-06824	<a href="#">Run as sudo</a> field should be hidden if Command Or Script field is set to "Script".
D-06826	If you cancel out of the <a href="#">Temporary Property Change</a> (using the X) before running it, the Run remains disabled.
D-06827	If you close the Server Operation tab, while the <a href="#">Temporary Property Change...</a> dialog is open can cause exception if operation submitted.
D-06829	Environment Variables (and other type="any" fields) incorrectly displayed as "[object Object],[object Object]" in <a href="#">Show Details</a> .
D-06833	The User Id column on the <a href="#">Group Members</a> tab list is blank after adding a New User to Group.
D-06843	Audit record not created if <a href="#">Accept Bundle</a> command fails due to DatabaseException.
D-06848	Late Start Timer not cleared out when task was <a href="#">Force Finished</a> .
D-06850	Special characters, like HTML, not properly escaped in <a href="#">Show Details</a> .
D-06861	10-minute informational log message builds up timer threads when server is <a href="#">paused</a> .



D-06866	<b>Created</b> field on the <a href="#">Promotion History Report</a> is blank.
D-06871	When using filter with "not equal Today", Report generated by <a href="#">Email Task</a> does not provide the same results as the Report ran manually.
D-06872	Not able to fill in an instance sysid in a <a href="#">System Operation</a> action Run Task Instance Command operation.
D-06873	<a href="#">OMS</a> message not committed, but acknowledged, in case where Universal Controller shutting down due to database connectivity issue.
D-06900	Audit for LDAP Refresh <a href="#">Server Operation</a> does not include additional information about operation completing.
D-06924	<a href="#">Set Started</a> Confirmation pop-up displays 'Force Finish message'.
D-06931	Add validation to prevent an inactive user from being assigned as an <a href="#">Execution User</a> by an Administrator (ops_admin role) similar to the validation in place for a non-Administrator.
D-06933	Disabling "authentication" on <a href="#">Email Connection</a> , after update, checking "authentication" shows user/pwd fields with contents still.
D-06936	The order of <a href="#">Business Services</a> in a task changes when the Task is updated / created using <a href="#">web services</a> .
D-06942	Unique Key Violation for <a href="#">Set Variable</a> action on Global Variable.
D-06943	The <a href="#">System Properties</a> server operation is displaying the values masked for opswise.login.password_expiration/enabled.
D-06948	<a href="#">Agent Cluster</a> should not be deleted if it is referenced by a <a href="#">System Monitor</a> task.
D-06950	java.lang.OutOfMemoryError when using nested \${_ifEqual()} function in <a href="#">Set Variable</a> action.
D-06952	Login - User should be authenticated first before checking for <a href="#">access restrictions</a> .
D-06953	Navigating to the login page after you've already <a href="#">logged in</a> should bring you back to the application.
D-06956	'Lazy load graph' message in the log when using a web service to <a href="#">GET a Workflow</a> .
D-06958	<a href="#">Outstanding Request</a> Details - pop-up window displays two Delete buttons.
D-06961	Tab indicator for Tasks tab in <a href="#">Agent Cluster</a> Details not checking Cluster Broadcast references.
D-06974	<a href="#">File Transfer task</a> Details should enforce FTP Credentials be supplied for FTP/SFTP file transfer tasks.
D-06977	ops_exec_memo index missing from Universal Controllers that were upgraded from versions earlier than 6.2.0.0.
D-06991	JCL mismatch on <a href="#">z/OS</a> upon 3rd restart when GDGs are used.
D-07001	Tab for <a href="#">Audit</a> Details displays the integer value for the Audit Type in the title.
D-07002	<a href="#">Audit</a> record for a scheduled <a href="#">Data Backup/Purge</a> has blank value for <b>Created By / Updated By</b> .
D-07003	<a href="#">Data Backup/Purge Updated By</a> field getting cleared out.
D-07005	Avoid adding null Notifications to list that cause a NullPointerException.
D-07010	Task Instances can be left in <a href="#">Execution Wait</a> status if the <a href="#">Resume Agent</a> command is issued prior to the completion of the Re-Queue Monitor event.
D-07015	<a href="#">Web Service/CLI</a> - Allowing too many characters to be used for setting a Credential password.
D-07016	<a href="#">Web Service/CLI</a> - Allowing too many characters to be used for setting a User password.
D-07018	6.3.x and earlier did not handle encryption/decryption of <a href="#">Credential</a> password containing certain characters from the extended UTF-8 character set.

D-07020	Clicking the <a href="#">Email Connection</a> reference field icon should not open a New Email Connection form if the user does not have the <a href="#">ops_email_admin</a> role.
D-07021	Clicking <a href="#">Filter</a> button for no longer existing filter does not provide any warning.
D-07022	If renaming log file fails, then continue to append to the existing log file instead of truncating it.
D-07023	Agent Task Limit (File Monitor) - Re-queuing of <a href="#">File Monitors</a> are erroneously increasing the task count which can exceed a Agents Execution Limit.
D-07024	Resource <a href="#">Database Connections</a> and <a href="#">Email Connections</a> should not display a Test Connection button when a user does not have the proper role.
D-07025	Server Operations: <a href="#">Roll Log</a> can fail under certain circumstances.
D-07028	Controller Properties - wrong validation message for <a href="#">Critical Path Color</a> .
D-07032	Creating a <a href="#">Bundle</a> with non-unique name results in DatabaseException.
D-07034	'Unable to find 'ops_task_manual' record with id xxx. The record may not exist or you may not have permission to view the record.' warning message when opening the <a href="#">Manual task</a> instance and selecting Set Started.
D-07041	<a href="#">File Monitor</a> task instance Details is missing the Last Trigger File field.
D-07045	<a href="#">Task</a> to monitor opens base task form to create new task resulting in NPE.
D-07048	"Multi-Update: Successfully updated all 1 items" when only a single <a href="#">record</a> is being updated.
D-07050	When <a href="#">exporting</a> User Login audit data to CSV, XLS (Excel), and XLSX, some data is missing from the Description column due to special characters.
D-07062	Prevented from <a href="#">re-running a task</a> due to auto retry, but task does not meet criteria for auto retry.
D-07067	<a href="#">Multi-update</a> of <a href="#">Time Triggers</a> should not allow clearing the Interval Start field.
D-07069	<a href="#">Time Trigger</a> form not using integer UI component for Time Interval field.
D-07070	NPE when saving a <a href="#">Time Trigger</a> with a blank Initial Time Offset.
D-07071	<a href="#">Scheduled</a> Report with a filter on a multi-valued field like Member of Business Services or Task(s) is not producing the same results as Run (or UI) Report when filter specifies more than one value for field.
D-07077	User with <a href="#">ops_admin</a> role but not <a href="#">ops_multi_update</a> role cannot perform multi-update.
D-07079	<a href="#">Open In Tab</a> flashing stack section along banner bar in IE11 (since 6.3.x).
D-07080	Opening a <a href="#">Custom Day</a> pop-up window temporarily flashes button toolbar across the banner bar (since 6.2.x).
D-07081	loadEvents: (java.lang.IllegalArgumentException: Comparison method violates its general contract!)
D-07091	<a href="#">Multi-update</a> list for <a href="#">triggers</a> displays the raw value for the Date Noun/Qualifier and Restriction Noun/Qualifier fields [non-regression].
D-07105	<a href="#">Workflow Monitor</a> context menu shows incorrect Insert actions.

## Prior Maintenance

See [Universal Controller 6.3.x Maintenance](#) for changes previously included in 6.3.x maintenance releases that also are included in the 6.4.x releases.