HP Operations Orchestration 10.x

Windows and Linux Operating Systems

OO Base Content Pack Version 1.5.3

Release Notes

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Introduction

This document provides an overview of the HP Operations Orchestration Base content pack 1.5.3 release. It contains important information that is not included in the manuals or in the online help.

This release supports the following languages:

- en - English

- ja - Japanese

Base content pack 1.5.3 is a cumulative content pack.

What's New

- A new operation, **Generate Hash**, has been added under */Library/Utility Operations/*. This operation allows you to hash a file for security purposes.

Enhancements

- A new output, **commandTimedOut**, has been added to the **SSH Command** operation under */Library/Operations/Remote Command Execution/SSH/v2.0/*. This output is set to true if a command timeout occurs and provides extra information if the operation fails.}

- The ability to send and receive encrypted email using S/MIME has been added. The inputs **encryptionKeystore**, **encryptionKeyAlias** and **encryptionKeystorePassword** have been added to the **Send Mail** operation under */Library/Operations/Email/*.

- The decryption inputs, **decryptionKeystore**, **decryptionKeyAlias** and **decryptionKeystorePassword** have been added to the **Get Mail Message** and **Get Mail Attachment** operations under */Library/Operations/Email/*. These inputs contain the pks12-formatted keystore path and its related data. For more information, refer to the relevant operation's description.

- **Email support for setting and getting email headers:** Three new inputs have been added to the **Send Mail** operation to enable the possibility of adding headers to an email.

  The first input, named **headers**, has a map format that has two columns, the first column for the header name and the second column for header values. Each row in the map represents a name and value pair for a header.

Two delimiter inputs, **rowDelimiter** and **columnDelimiter**, are used to delimit row and column values in the map.

Content Pack Integrations

The following table lists the integrations that the Base content pack supports:

Integration Name	Versions
Active Directory	Windows 2000, Windows 2003, Windows 2008, Windows 2008 R2, Windows 2012, Windows 2012 R2
AIX	AIX 5.3
FreeBSD	6.3, 7.0
JDBC	
Email	POP3, IMAP
Excel	1997, 2000, 2003, 2007, 2010
File System	
HP HP/UX	B.11.31
JVM	5.0, 6.0
MS Cluster	Windows 2003, Windows 2008, Windows 2008 R2
Network	
Red Hat	ES 3, AS 3, ES 4, AS 4, ES 5, ES 6.2
Perl	
PowerShell	1.0, 2.0, 3.0, 4.0
Printing	
Remote Command Execution	
Sharepoint	2003, 2007
SNMP	1, 2, 3
Solaris	10
SUSE Linux	openSUSE 10.0, SUSE Enterprise Server 10 SP1, openSUSE 11.0
Windows	2003, XP, 2008, 2008 R2, 2012, 2012 R2

Integration Name	Versions
WMI	1.x
WS-Management	1.0.0

Note: The following integrations contain only basic operations. For more advanced features see the corresponding dedicated content pack:

Integration Name	Dedicated Content Pack
JDBC	Databases
FreeBSD, HP-UX, Red Hat, Linux, Solaris, SUSE Linux, Windows	Operating Systems, Infrastructure Orchestration
Email	Business Applications

Deploying the Base Content Pack

OO platform versions 10.00 and later support Base Content Pack 1.5.3. However, it is recommended to deploy the Base Content Pack 1.5.3 on an existing OO platform version of 10.21.0001 or later.

For details on deploying a content pack, see "Importing Content Packs to a Project" in the *Studio Authoring Guide* and "Deploying a Content Pack" in the *Central User Guide*.

> **Note:** For details on how to uninstall/roll back a content pack, see "Roll back to the last deployment" in the *HP OO Central User Guide*.

Fixed Defects

The reference number for each fixed defect is the ALM Global ID number (QCCR).

For more information about fixed defects, visit HP Software Support Online, or contact your HP Support representative directly.

CR Number	Title	Description
QCCR8C24899	/Library/Operations/PowerShell/PowerShell Script uses JRAS permissions	The **PowerShell Script** operation under */Library/Operations/PowerShell/* now works correctly. If a loopback address is provided as **host**, and the operation is run from a service (such as a RAS), the given **username**'s privileges are now updated correctly.
QCCR8C26108	Powershell Script impersonation fails on localhost	When running a PowerShell operation cmdlet or script that requires a privileged user and the worker service user account does not have privileges, impersonation now works correctly.
QCCR8C26596	OO SendEmail Operation encodes incorrectly base64 images	New implementation has been added to the **Send Email** operation under */Library operations /Exchange/Email/* to handle HTMLs containing base64 images.
QCCR8C26947	The operation "Remote Command" returns an extra newLine character when using WMI protocol	The extra newLine character has been removed in the Remote Command operation under */Library/Operations/Remote Command Execution/*.
QCCR8C26986	'Auth Fail' received from HPSA when running SSH Command from HPOO	The **Session timeout** parameter has been introduced to solve this issue.
QCCR8C27176	In some situations, the date Parser operation returns an incorrect date	The **dateParser** operation under */Library/Operations/Utility Operations/Date and Time/* now returns the correct date.

CR Number	Title	Description
QCCR8C27184	'/Base/Library/Operations/Remote Command Execution/SSH/SSH Shell' fails with java.util.ConcurrentModificationException if it is executed in parallel.	The **SSH Shell** operation under */Base/Library/Operations/Remote Command Execution/SSH/* has been updated for safe access to resources when multiple operations are run in parallel.
QCCR8C27185	Base - Invoke Method V2 missing headers input and all HTTP response outputs	Headers input has now been added to the **Invoke Method 2** operation under */Library/Operations/Wizards/Web Service/*.
QCCR8C27359	Base CP - InvokeMethodV2 operation doesn't set the SOAPAction on the HTTP request	The **InvokeMethodV2** now sets the SOAPAction header upon HTTP request.
QCCR8C27379	JDBC folder description is incomplete	JDBC folder description has been updated.
	RAS command cmd_timeout issue	The **RAS command** operation under */Library/Utility Operations/* did not work correctly, and ended after period of time even if the command had not yet finished. If you are deploying on top of an older content pack, the RAS level cache needs to be cleared due to the following known issue: "QCCR8C24862 Re-caching is not done at RAS level thus one is required to clear the *\ras\var\cache* in order to make the flow(s) run properly"
QCCR8C27526	Create Zip doesn't allow the option to specify if empty folders should be added	The **Create Zip** operation now allow you to specify whether or not empty folders should be added, by adding a new input.
QCCR8C27738	Inability to send 'Request body' within 'HTTP Client Delete' operation	A Request body can now be sent from within an **HTTP Client Delete** operation.

CR Number	Title	Description
QCCR8C27868	'Local Ping' in Base CP ends with success even if the ICMP request times out	The **Local Ping** operation under */Library/Operations/Network/* now ends in failure if `Request timed out` is returned and its return code is `1`.

Known Issues

For more information about known issues, visit HP Software Support Online, or contact your HP Support representative directly.

Remote Linux Script File Runner operation is missing a configurable timeout

If you execute a script using the operation **Remote Linux Script File Runner** under */Library/Operations/Operating System/* with the following inputs:

- targetHost

- targetHostUserName

- targetHostPassword

- scriptFile

the operation times out and does not complete successfully.

/Operating Systems [1.2.0-SNAPSHOT]/Library/Accelerator Packs/Operating Systems/SUSE Linux/Information Gathering/Memory Metrics

The **Memory Metrics** flow under */Operating Systems [1.2.0-SNAPSHOT]/Library/Accelerator Packs/Operating Systems/SUSE Linux/Information Gathering/* fails at the Remote Command (Base) substep while executing the **top -b -n1** command.

The MySQL JDBC connector needed for the JDBC integration is third party excluded

The MySQL JDBC connector needed for the JDBC integration is 'third party excluded' so it needs to be added by the client. The standard way to add this missing dependency is by deploying a third-party-cp.jar with the artifact. But this has no affect in OO 10.02 if the dependency is not declared in the plugin's POM.

However, the dependency cannot be declared as the JDBC operations also need to work without this dependency (for other databases).

SQL Query used against a Netcool DB should not enforce specifying a database

The **SQL Query** operation under */Library/Operations/Databases/JDBC/SQL Query* requires an input for the database name. When a value is specified, an error is written in the Netcool logs even though the operation completes successfully.

SQL query operation for Netcool db does not handle semicolons

The **SQL query** operation under */Operations/Databases/Microsoft SQL* works correctly for the Netcool database unless the data in one of the fields contains a semicolon. If the delimiter in the operation is customized to a pipe, the results remain null. The same operation works correctly when returning data that does not contain a semicolon.

The operation fails if input paused in requestedstatus field in the Change Service Status

The **Change Service Status** operation under */Operations/Operating Systems/Windows/Services* fails if the input of the **requestedstatus** field has the value 'paused'.

Sample Flow "Move Emails" places the object in an incorrect mailbox

The out-of-the-box flow **Move Emails** under *Operations/Exchange/Exchange 2010/Samples/Emails* fails to move the object in the selected mailbox when an account that does not belong to the mailbox owner is selected.

Date parser does not convert a large millisecond value correctly

The **Date Parser** operation under */Library/Utility Operations/Date and Time/* does not convert input values of 2^{32} or higher correctly. This limits the output date range to 12/7/1969 - 1/25/1970.

Operating System Detector leaves unprintable character at end of ReturnResult

The **Operating System Detector** operator leaves an unprintable character at the end of ReturnResult. If you try to pass the returned value to the **String Comparator** operation with a match type of RegEx and a pattern of ".*", a mismatch error occurs.

Using the operation "/Library/Operations/File System/Windows Only/Excel/Get Cell" against an Excel file that contains OLE objects, will result in failure

When running a flow that reads an Excel sheet using the **Get Cell** operation under */Library/Operations/File System/Windows Only/Excel/*, if the Excel file contains OLE objects (for example, checkboxes), the operation fails and displays an error message.

SFTP operations do not work with non-password authentications

SFTP operations do not work with passwordless authentications.

Using passphraseless keys to authenticate to the remote host failed due to empty password input.

Offset Time by operation fails because of unparsable date

The operation **/Library/Utility Operations/Date and Time/Offset Time by** produces an error due to an unparsable date.

When the following inputs are set to blank, the operation works correctly:

localeLang =

localeCountry =

No description for the operation"/Base [1.4.0-SNAPSHOT]/Library/Operations/Operating Systems/Cross Platform/Command Line"

There is no description for the **Command Line** operation under */Library/Operations/Operating Systems/Cross Platform/*.

SQL Server binary data isn't returned as binary in OO

When performing a query from OO in an SQL Server database with a column of type **binary(16)**, the results do not match what appears in the database.

IPv6 Limitations

[IPv6][WMI] - unable to run WMI operations from Java folder with IPv6 addresses

Running a WMI operation from the Java folder fails when using IPv6 addresses. This is due to third-party issues (j-Interop).

Running with IPv4 addresses works for the same operations.

The following Base content pack flows that depend on **Operations/WMI/Java** do not work with IPv6:

- **Get Processes By Name** under */Operations/Operating Systems/Windows/Processes*

- **Get Process PID** under */Operations/Operating Systems/Windows/Processes*

- **Get Windows Processes** under */Operations/Operating Systems/Windows/Processes*

- **Get Process Counters** under */Operations/Operating Systems/Windows/Processes*

- **Get Task List** under */Operations/Operating Systems/Windows/Processes*

- **WMI Query** under */Operations/Operating Systems/Windows/Samples/*

The **WebDAV** operations under */Operations/Remote File Transfer/WebDAV* do not work with IPv6 due to third party issues (Jakarta Slide, Commons Httpclient)

The **Configure Network Adapter** operation under */Operations/Powershell/Network* cannot set IPv6 interfaces for Windows versions up to but not including Windows Server 2012/Windows 8.

The **HP-UX** operating system under */Operations/Operating Systems* has not been validated with IPv6.

The **AIX** operating system under */Operations/Operating Systems* is not validated with IPv6.

The ROSH (Remote Opsware Shell) and GlobalShell (Opsware Global Shell) protocols from the **Remote Command** operation under */Operations/Remote Command Execution* have not been validated with IPv6. These protocols integrate with products from HP Server Automation and these products have not yet been validated for IPv6.

The **rexec** protocol from */Operations/Remote Command Execution/Remote Command* does not support IPv6 as the rexec server (rexecd daemon) does not support IPv6 connections.

Deprecated operations have not been validated for IPv6.