

HP Operations Orchestration 10.x

Windows and Linux Operating Systems

OO Base Content Pack Version 1.6.2

Release Notes

Document Release Date: September 2015
Software Release Date: September 2015



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Contents

Introduction	5
What's New	5
Enhancements	5
Content Pack Integrations	7
Deploying the Base Content Pack	9
Fixed Defects	10
Known Issues	12

Introduction

This document provides an overview of the HP Operations Orchestration Base content pack 1.6.2 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
- fr - French
- de - German
- ja - Japanese
- es - Spanish
- zh_CN - Simplified Chinese

Base content pack 1.6.2 is a cumulative content pack.

What's New

- A new standalone base utility operation, **Parse HTTP Header**, has been added under */Base [1.6.0]/Library/Operations/HTTP Client/v2.0/Http Parse Header*. You can use this operation to parse an HTTP header that is formatted according to HTTP standards for headers, and as step in a flow to parse the responseHeaders output from HTTP Client v2 operations. This operation helps users parse an HTTP header and extracts a header entry or element using either the header name or header element name.
- A new operation, **Set Global Flow Variable**, has been added under */Base [1.6.0]/Library/Utility Operations/Flow Variable Manipulation*. You can use this operation to set global flow variables.
- A new flow, **Set Sensitive Flow Variables**, was added under */Base [1.6.0]/Library/Utility Operations/Flow Variable Manipulation*. You can use this flow to set a list of obfuscated or sensitive variables. In releases prior to 10.50, you can use this flow with obfuscated data, and in OO 10.50, you can use it with sensitive data.

Enhancements

- The following new inputs have been added under */Library/Operations/Operating Systems/Cross Platform/Operating System Detector*:
 - nmapArguments
Enables users to customize the nmap command argument, which is used to detect the OS in case the SSH connection fails.
 - portDetectionRules

Enables users to define their own heuristic rules to detect which OS is in use in case the `nmap` command fails to detect it. The rules are in JSON format, and are based on a combination of the open and closed ports of the targeted system. A simple default rule is also available.

- `timeout`
- The new input, `verifyCertificate`, was added under `/Library/Operations/Email/Get Mail Message`. This operation checks whether or not the certificate is expired or not yet active. The default value is "true".
- The new input, `encryptionAlgorithm`, was added under `/Library/Operations/Email/Send Mail`. This operation enables users to specify what encryption algorithm is used to encrypt email, and the key is selected from the provided keystore input. The default value is "AES256_CBC".
- The Send Mail and Get Mail Message descriptions now include recommendations regarding the secure encryption key size.

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 1.6.2. However, it is recommended to deploy the Base Content Pack 1.6.2 on an existing OO platform version of 10.50 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
QCCR8C24600	Remote Linux Script File Runner operation is missing a configurable timeout	When executing a script using the operation Remote Linux Script File Runner under <i>/Library/Operations/Operating System/</i> with the following inputs: <ul style="list-style-type: none"> targetHost targetHostUserName targetHostPassword scriptFile the operation no longer times out; it now completes successfully.
QCCR8C27868	'Local Ping' in Base CP ends with success even if the ICMP request times out	The response to a Local Ping operation fails when 'Request timed out' is returned and the return code is '1'.
QCCR8C28773	Date Parser Operation behaves differently in Base CP 1.5.3	For the Date Parser operation, removing the dateFormat input under <i>Library/Utility Operations/Date and Time/Date Parser</i> no longer results in an error.
QCCR8C27417	Set Flow Variables not working correctly with encrypted input	A new flow, Set Sensitive Flow Variables, has been added under <i>/Library/Utility Operations/Flow Variable Manipulation</i> . If the data being manipulated is obfuscated or sensitive, then you should use this flow to replace the Set Flow Variables operation .
QCCR8C28028	Check Null operation should return isNull when the value contains only whitespaces	The following trimSpaces input has been added so that users can decide whether or not white spaces should be stripped out. The flow scriptlet is modified accordingly.

CR Number	Title	Description
		<p>The new trimSpaces input behavior:</p> <ul style="list-style-type: none"> • If set to "true" and the value from "keyName" contains only white spaces, then the response is "isNull". • If set to "false" and the value from "keyName" contains only white spaces, then the response is "notNull". • If set to any other value, then the default value (false) will be used.
QCCR1D160507	Date parser does not convert a large millisecond value correctly	The Date Parser operation under <i>/Library/Utility Operations/Date and Time/now</i> converts input values of 2 ³² or higher correctly. There is no longer a limit on the output date range.
QCCR8C26947	The operation "Remote Command" returns an extra newLine character when using WMI protocol	The Remote Command operation under <i>/Library/Operations/Remote Command Execution</i> was returning a result that contained an extra newLine character (\n), instead of returning \r\n. This only occurred when the protocol was set to WMI. The operation now returns \r\n when using the WMI protocol.
QCCR1D173609	SQL Server binary data 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 now match what appears in the database.
QCCR8C28245	"WSH Script" operation doesn't work	The Run WSH Script operation successfully executes WSH scripts.

Known Issues

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

Powershell script operation uses Powershell engine 2.0 instead of 3.0

The PowerShell script operation uses Powershell engine 2.0 even when version 3.0 is installed.

To correct this behavior, in a command window navigate to

`c:\Windows\Microsoft.NET\Framework64\v2.0.50727` and run the following commands:

```
regasm /unregister "<ICONCLUDE_  
HOME>\RAS\Java\Default\webapp\dotnet\RCAgentLib.dll"
```

```
regasm /verbose /nologo /codebase "<ICONCLUDE_  
HOME>\RAS\Java\Default\webapp\dotnet\RCAgentLib.dll"
```

QCCR25658

[SSH] If the knownHostPolicy is "add" it should fail if the host key exists and it is different

The SSH Command v2 should fail if the keys are different. Specifically, if the input knownHostPolicy = "add" and the key (thumbprint) is already in the known_hosts file, and it is different than the key for the current host, then the SSH Command operation should fail.

QCCR27493

/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.

QCCR8C24855

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.

QCCR8C12516

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.

QCCR8C18088

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.

QCCR8C8723

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.

QCCR8C16166

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.

QCCR8C8650

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.

QCCR8C9619

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 =

QCCR8C10221

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.

QCCR8C23730

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.

HP-UX operations do not work against IPv6-configured target servers.

AIX operations do not work against IPv6-configured target servers.

The ROSH (Remote Opware Shell) and GlobalShell (Opware Global Shell) protocols from the **Remote Command** do not work against IPv6-configured target servers. 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 do not work with IPv6-configured target servers.

