HP Operations Orchestration 10.x

Windows and Linux Operating Systems

OO Cloud Content Pack Version 1.5.1

Release Notes

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Contents

Introduction

This document provides an overview of the HP Operations Orchestration Cloud content pack 1.5.1 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

OO Cloud content pack 1.5.1 is a cumulative content pack.

Content Pack Integrations

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

Integration Name	Versions
Amazon EC2	2009-04-04, 2011-12-15, 2014-06-15
Amazon IAM	2010-05-08
Amazon Load Balancing	2011-11-25, 2012-06-01
Amazon S3	2006-03-01
Amazon Security Token Service	2011-06-15
Amazon VPC	2011-12-15, 2014-06-15
HP Helion Eucalyptus	Supported through OO Content for Amazon.
Open Stack	Diablo 2011.3 Essex 2012.1 Grizzly 2013.1 Havana 2013.2 Helion Public Cloud 13.5 Helion Openstack 1.0.x IceHouse 2014.1 Juno 2014.2
VMware vCloud	1.0, 1.5, 5.1, 5.1.1, 5.5

What's New

- **New supported versions**

  Support for the following new version has been added:

  - HP Helion Eucalyptus 4.x

- **Amazon Signature Version 4**:

  - A new operation, **Compute Signature V4**, has been added under
    /Library/Integrations/Amazon/S3/Utilities/. This operation supports the signature version 4
    algorithm and provides a way for the user to specify all the inputs required by the signature
    calculation algorithm.

  - The **Compute Signature**, **Process Headers**, **Compute Signature** and **Add Authorization
    Header** steps from flows in the **Buckets** and **Objects** folders have been updated in order to work
    with signature V4.

- **OpenStack Object Storage - Update Container:** The functionality to update a container has been
  added. This includes operations such as enabling versioning, synchronization, making items public
  etc.

- **OpenStack Block Storage - Extend/Reduce Volume Size:** A new flow, **Resize Volume** has
  been added under */Library/Integrations/OpenStack/Block Storage/Volumes/*. This flow allows you
  to resize an OpenStack volume using the volume ID and the new size.

- A new flow, **Get Bucket Location**, has been added under
  /Library/Integrations/Amazon/S3/Buckets/. This flow is used to determine a bucket's location
  constraints.

- **Eucalyptus:** Eucalyptus API is now compatible with Amazon. AWS.OO OOTB contains flows for
  provisioning AWS resources.

Enhancements

- The **Compute Signature**, **Process Headers**, and **Add Authorization Header** steps from flows under */Library/Integrations/Amazon/S3/Objects/Compute Signature/Objects* have been updated to work with signature V4.

- The **Multipart File Upload** flow under */Library/Integrations/Amazon/S3/Objects/* has been enhanced to support chunked upload. In addition all the steps that the signature V4 algorithm requires in order to accomplish this upload method have been updated.

- A new input, **serviceEndpoint**, was added to the **Enumerate Regions** operation under */Library/Integrations/Amazon/EC2/Availability Zones and Regions/*. This input now allows you to provide a specific endpoint for the **Enumerate Regions** operation.

- The operations in the **Security Groups** folder have been enhanced to support security groups in a non-default VPC, which are part of Amazon's EC2-VPC functionality. All the operations support the Security Group ID needed to reference this type of security group.

- A new input, **vpcId**, was added to the **Create Security Group** operation under */Library/Integrations/Amazon/EC2/Security Groups/*.

- The table in the output **returnResult** has been enhanced with new **group id** and **group's vpc id** columns in the **Describe Security Groups** operations under */Library/Integrations/Amazon/EC2/Security Groups/*.

- The **Modify Instance Attribute** operation under */Library/Integrations/Amazon/EC2/Instances/* was enhanced with 16 new inputs in order to be aligned with the Amazon API.

Deploying the OO Cloud Content Pack

OO platform versions 10.00 and later support Cloud Content Pack 1.5.1. However, it is recommended to deploy the Cloud Content Pack 1.5.1 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: Cloud Content Pack 1.5.1 is dependent on Base Content Pack 1.5.3. Therefore, Base Content Pack 1.5.3 must be deployed before or together with Cloud Content Pack 1.5.1.

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*.

Limitations

Get Bucket Content
In the **Get Bucket Content** flow under */Library/Integrations/Amazon/S3/Buckets/*, the input values for **marker** and **prefix** must not contain the following characters: '&','/'.
Delete Object
The **Delete Object** flow under */Library/Integrations/Amazon/S3/Objects/* may not function correctly when handling objects that have names containing the '~' or '&' characters.
Upload Folder
The **Upload Folder** flow under */Library/Integrations/Amazon/S3/Objects/* may not function correctly when handling objects that have names containing the ',' (comma) character.