

# HP Operations Orchestration

For Windows and Linux operating systems

Software Version: Content Pack 10

## HP Operations Manager i Integration Guide

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**[http://h20230.www2.hp.com/new\\_access\\_levels.jsp](http://h20230.www2.hp.com/new_access_levels.jsp)**

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# Chapter 1

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## Introduction

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## Purpose of the HP Operations Manager i Integration

This integration enables you to build HP Operations Orchestration (OO) flows that are integrated into the HP Operations Manager i (OMi).

The OMi integration operations interact with OMi through its REST-based Event Web service, which is described more completely in the BSM OMi Extensibility Guide. You cannot use the Event Web Service to create or modify events, so there are no operations in this integration to perform these actions. The OMi Event Web service can be reached via the HP Business Service Management Gateway Server, which is the host that should be supplied in all of the operations.

## Supported Versions

Operations Orchestration Version	OMi Version
OO Content Pack 10	9.0, 9.01, 9.10, 9.12, 9.13, 9.20

## Downloading OO Releases and Documents on HP Live Network

HP Live Network provides an Operations Orchestration Community page where you can find and download supported releases of OO and associated documents.

To download OO releases and documents, visit the following site:

<https://hpln.hp.com/>

**Note:** This site requires that you register for an HP Passport and sign-in.

To register for an HP Passport ID:

1. Go to: <http://h20229.www2.hp.com/passport-registration.html>

Or

Click the **New users - please register** link on the HP Passport login page.

2. On the HP Live Network page, click **Operations Orchestration**.

3. On the left-hand side, click **Operations Orchestration Content Packs**.

4. In the **Operations Orchestration Content Packs** box, click **Content**. The HP Passport and sign-in page appears.

5. Enter your user ID and Password to access to continue.

6. Click **HP Operations Orchestration 9.00**.

7. Search for the required HP Operations Orchestration Content Pack.

# Chapter 2

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## Getting Started

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## Installing and Configuring the Integration

No special installation and configuration instructions are required for the OMi integration.

## OMi Use Cases

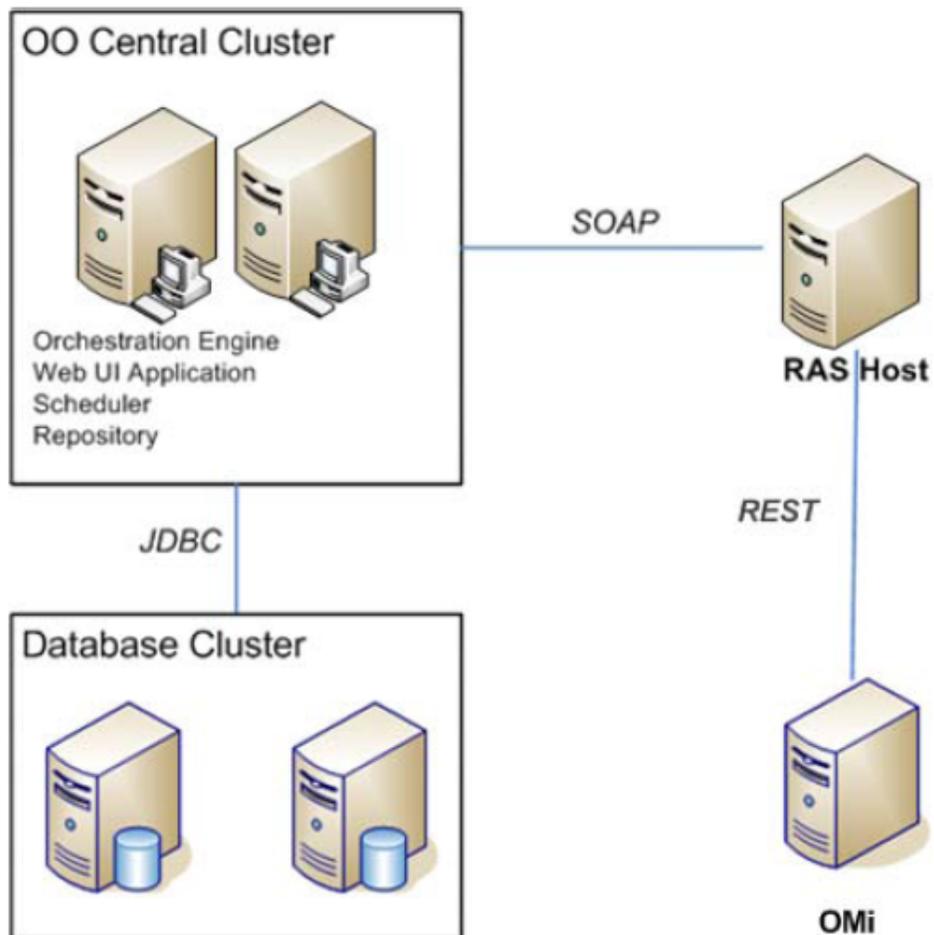
Following are the major use cases for the HP OMi integration, and the operations and flows that you can use to implement them.

1. Samples:
  - Custom Attributes Sample
2. Manage Custom Attributes:
  - Add Custom Attribute
  - Custom Attributes Sample
  - Delete Custom Attribute
  - Get Custom Attributes
  - Update Custom Attribute
3. Manage Annotations:
  - Add Annotation
  - Delete Annotation
  - Get Annotations
  - Update Annotation
4. Manage Symptoms:
  - Add Symptom
  - Delete Symptom

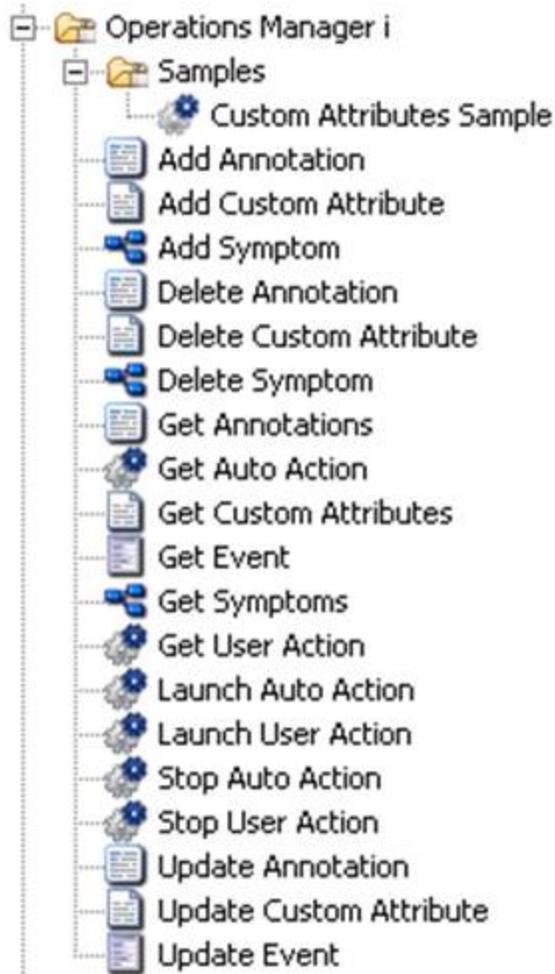
- Get Symptoms
5. Manage Actions:
- Get Auto Action
  - Get User Action
  - Launch Auto Action
  - Launch User Action
  - Stop Auto Action
  - Stop User Action
6. Manage Events:
- Get Event
  - Update Event

## OMi Architecture

### OMi — OO Integration Architecture



## Location of OMi Integration Operations and Flows in OO Studio



# Chapter 3

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## Troubleshooting

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### Troubleshooting Overview

This section provides troubleshooting procedures and tools that you can use to solve problems you may encounter while using this integration. It also includes a list of the error messages you may receive while using the integration and offers descriptions and possible fixes for the errors.

### General Troubleshooting Procedures and Tools

The BSM OMi Extensibility Guide contains useful tips for using a third-party REST client. This can be very helpful in troubleshooting connectivity or other problems.

## Chapter 4

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# OO Tools You Can Use with the OMi – OO Integration

Following are OO tools that you can use with the OMi integration:

- **RSFlowInvoke.exe and JRSFlowInvoke.jar**

RSFlowInvoke (**RSFlowInvoke.exe** or the Java version, **JRSFlowInvoke.jar**) is a command-line utility that allows you to start a flow without using Central (although the Central service must be running). RSFlowInvoke is useful when you want to start a flow from an external system, such as a monitoring application that can use a command line to start a flow.

- **Web Services Wizard (wswizard.exe)**

When you run the Web Services Wizard, you provide it with the WSDL for a given Web service. The WSDL string you provide as a pointer can be a file's location and name or a URL. The Web Services Wizard displays a list of the methods in the API of the Web service that you specify. When you run the wizard, pick the methods you want to use, and with one click for each method you have selected, the wizard creates an HP OO operation that can execute the method. This allows you to use the Web Services Wizard to create operations from your monitoring tool's API.

These tools are available in the Operations Orchestration home folder in **/Studio/tools/**.