



HP Education Services Course Overview

HP Matrix Operating Environment: infrastructure orchestration Integration (HK916S)

This course covers the configuration and use of the HP Matrix Operating Environment infrastructure orchestration software to create an infrastructure service catalog and integrate into datacenter processes and services.

Audience

Administrators, engineers and consultants who will plan and manage internal cloud service catalogs using HP Matrix Operating Environment infrastructure orchestration software.

Prerequisites

HP recommends that students have attained the following credentials or levels of experience before taking this course:

- HP CloudSystem Matrix Administration (HK920S)
- Basic Microsoft Windows server management
- HP Systems Insight Manager experience or training
- Basic networking knowledge
- Basic SAN knowledge
- Familiarity with HP Systems Insight Manager and HP Matrix Operating Environment

Course objectives

At the conclusion of this course, you will be able to:

- Configure HP Matrix Operating Environment infrastructure orchestration (IO) software
- Describe the IO workflow integration architecture
- Describe the IO lifecycle integration interfaces
- Create, run, and publish a simple workflow in HP Operations Orchestration (OO) Studio
- Process XML-formatted workflow inputs provided by IO
- Install and customize a sample Cloudmap that contains an IO template, an OO workflow, and several customization files

Why education services from HP?

- Comprehensive curriculum of job-specific training leading to vendor certification
- Streamlined purchase and management of training with HP Care Pack Services for Education

Course title:	HP Matrix Operating Environment: infrastructure orchestration Integration
HP product number:	HK916S
Category/Subcategory:	Cloud
Course length:	4 days
Level:	Intermediate
Delivery language:	English
To order:	You can register your interest for this course online at http://www.hp.com.au/education . At the site, select the course under Cloud portfolio and you will see dates for the course. Register your interest for the date of your choice.

- Recognized as an IDC MarketScape leader for IT education (IDC MarketScape: Worldwide IT Education and Training 2012 Vendor Analysis, doc #232870, February 2012)
- Unmatched technical expertise and support for HP products and technologies
- Award winning Virtual classrooms and Virtual Labs for a real hands-on experience
- Global training with more than 90 training locations worldwide
- Training you need, when and where you need it with our Remotely Assisted Instructional Learning (RAIL)
- More than 30 years of Education Consulting

Detailed course outline

Module 0: Course Overview

- Course Introduction
- Lab Environment Overview

Module 1: Introduction to infrastructure orchestration

- HP Matrix OE Overview
- HP Matrix OE infrastructure orchestration
- Integrating IO with other services
- Managing IO services
- Getting started with HP Matrix OE

Labs:

- Viewing IO Online Demonstrations
- Downloading HP Matrix Operating Environment Documentation

Module 2: Configuring and using infrastructure orchestration

- Configuring your lab environment
- Administrator tasks
- Configuring an organization
- Setting up IO server pools
- Configuring other pool resources
- IO Template Design
- Managing a failed service request
- Troubleshooting a service request

Labs:

- Configuring your assigned VM
- Configuring Infrastructure Orchestration resources
- Creating and configuring an IO organization
- Configuring organization resources
- Provisioning physical servers
- Troubleshooting

Module 3: IO Integration Architecture

- IO Integration Interfaces
- IO chargeback features
- Extensible Server Adapter

Labs:

- Using the IO Integration Interfaces
- Examining IO Web Services
- Using the Chargeback CLI

Module 4: Introduction to Operations Orchestration Workflows

- Operations Orchestration Overview
- OO Studio User Interface

Labs:

- Installing OO Studio
- Exploring OO Studio

Module 5: Authoring Your First Workflow

- Authoring your first workflow

Labs:

- Authoring your first workflow

Module 6: Creating Workflows for infrastructure orchestration

- IO workflow integration architecture
- IO workflow structure
- Creating an IO workflow
- Extracting information from the RequestXML input
- Modifying the workflow
- Using XSLT

Labs:

- Building a CaptureXML workflow
- Customizing the output filename
- Modifying the output filename
- Parsing XML with XSLT

Module 7: IO Cloudmap Solution

- Cloudmap Solution Components
- Cloudmap Workflow Logic
- Installing a Cloudmap Solution

Labs:

- Installing the Cloudmap Solution

For more information

To locate contact information and to learn more about education services, please visit our web site at <http://www.hp.com.au/education> .

