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## IBM Cloud Orchestrator 2.4 Administration and Operations Information

<b>Length:</b>	4.0 Days
<b>Ref:</b>	TP303G-X
<b>Delivery method:</b>	ClassroomInstructor Led Online
<b>Price:</b>	EUR

### Overview

Learn how to administer and use the major functions of IBM Cloud Orchestrator. The primary focus is on using the product-provided features to get the most value from your investment. You learn how to install IBM Cloud Orchestrator and perform common administrative tasks like restarting the software stack, creating users and groups, and registering new images into the cloud environment. You create virtual system patterns to model groups of virtual systems so that they can be deployed as a single entity. You also explore self-service offerings and orchestration with Business Process Manager.

### Public

This basic course is for IBM employees, business partners, and customers who have a need to demonstrate IBM Cloud Orchestrator; deliver an IBM Cloud Orchestrator Proof Of Technology; contribute valuable content to an IBM Cloud Orchestrator Proof Of Concept; install, configure, and operate IBM Cloud Orchestrator.

### Prerequisites

You should have the following skills:

- Basic understanding of cloud **and** virtualization technologies
- Basic VMware skills
- Basic Linux skills

### Objective

- Identify the challenges in your organization that IBM Cloud Orchestrator can address
- Identify the architecture of IBM Cloud Orchestrator and OpenStack components
- Prepare for and install IBM Cloud Orchestrator
- Manage IBM Cloud Orchestrator components
- Access the IBM Cloud Orchestrator user interfaces and explore the key features
- Create and manage domains, projects, users, images, virtual system patterns (vSys.classic and

- vSys.next), and pattern instances in a multi-tenant environment
- Use Business Process Manager artifacts to define self-service categories and offerings in IBM Cloud Orchestrator
- Implement authentication using an external corporate directory server
- Identify the tools in Cloud Marketplace that would be most useful to your organization

## Topics

### **Introducing IBM Cloud Orchestrator**

- Introduction to IBM Cloud Orchestrator
- Key features in IBM Cloud Orchestrator
- Positioning IBM Cloud Orchestrator

### **Exploring the IBM Cloud Orchestrator environment**

- OpenStack Icehouse overview
- IBM Cloud Orchestrator architecture

### **Installing IBM Cloud Orchestrator 2.4**

- Deployment service overview
- Installation
- Deployment templates
- Verification and troubleshooting
- High availability considerations
- Classroom environment

### **Administering IBM Cloud Orchestrator**

- Operating the IBM Cloud Orchestrator environment
- Using the IBM Cloud Orchestrator interfaces
- Customizing the user interfaces
- Public Cloud Gateway

### **Creating and managing objects**

- Security model and terminology
- Regions, availability zones, and quotas
- Network considerations

### **IBM Cloud Orchestrator image management**

- OpenStack Glance image service architecture

- Image service configuration
- IBM Cloud Orchestrator image management

## **Building, managing, and deploying patterns**

- Images and patterns
- Virtual system classic pattern
- Virtual application pattern
- Virtual system pattern
- Heat overview and components
- Troubleshooting

## **Managing the deployed environment**

- Managing the deployed environment
- Display instance and virtual machine details
- Managing pattern instances and virtual machines
- Modify virtual machine settings
- Virtual machine disk management
- On-board existing virtual machines
- Virtual machine snapshots

## **Introduction to Business Process Manager**

- Orchestration overview
- IBM Business Process Manager overview
- IBM Process Designer
- Business Process Manager artifacts
- Managing self-service categories and offerings
- Toolkits
- Orchestration actions
- Introduction to modifying an offering
- Managing the process application lifecycle

## **Integration with LDAP**

- LDAP authentication options for IBM Cloud Orchestrator
- Configuring LDAP integration
- LDAP integration content pack

## **IBM Cloud marketplace**

- IBM Cloud marketplace

- Obtaining material from the IBM Cloud marketplace
- Using IBM Cloud marketplace assets in IBM Cloud Orchestrator

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