**Hewlett Packard Enterprise**

Course Data Sheet

# OO420 – Operations Orchestration 10.x Administration

| Course No.: OO420-105 | Category/Sub Category: Operations Management/Cloud and Automation |
|---|---|
| For software version(s): 10.5 Software version used in the labs: 10.51 and 10.60 | Course length: Two days |
| Delivery formats: Instructor Led (ILT) and Virtual Instructor Led (VILT) | Training is available as a private session onsite. |
| To order visit: http://h20546.www2.hp.com/main/US/ | |

## Course Description

This two-day course introduces students to the administration and usage of the HPE Operations Orchestration (OO) software. OO is part of HPE Cloud Automation solutions.

This course introduces installing, configuring, and upgrading OO. Various concepts such as Worker groups and clustering are explained. Students also learn to perform database maintenance, configure OO to perform external authentication, analyze performance, and monitor OO usage. Working with certificates and keystores and other security features is also described.

The course consists of focused, task-oriented lectures, text, and a series of detailed hands-on labs to teach the course material to the student. The hands-on labs use version 10.51 of the software as well as version 10.60.

## Audience/Job Roles
This course is designed for Workflow developers, System Administrators, and other personnel responsible for the implementation of OO.

## Course Objectives
Upon successful completion of this course, you should be able to:

- Install, update and configure OO
- Describe and configure Worker groups
- Describe and set up a clustered OO environment
- Describe and set up Lightweight Directory Access Protocol (LDAP) authentication
- Perform database maintenance and purging
- Analyze performance and set up monitoring and auditing

- Set up security for OO
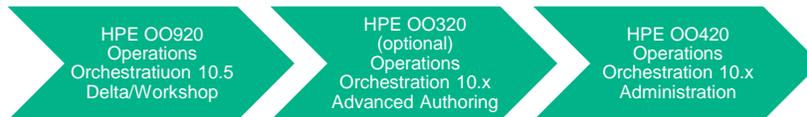- Locate OO log files and troubleshoot OO issues

## Prerequisites/Recommended Skills

To be successful in this course, you should have the following prerequisites or knowledge.
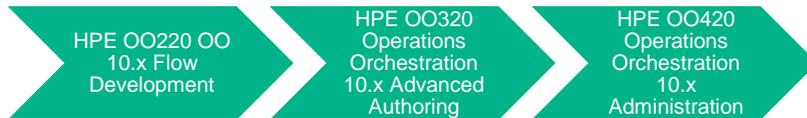
- *OO220 – Operations Orchestration 10.x Flow Development*
- Networking terms and concepts
- Web browsers and telnet or Secure Shell (SSH) connection methods
- Different operating system environments

## Learning Path

Existing OO 9.x customers:

HPE OO920 Operations Orchestratiuon 10.5 Delta/Workshop → HPE OO320 (optional) Operations Orchestration 10.x Advanced Authoring → HPE OO420 Operations Orchestration 10.x Administration

Existing OO10.x customers:

HPE OO220 OO 10.x Flow Development → HPE OO320 Operations Orchestration 10.x Advanced Authoring → HPE OO420 Operations Orchestration 10.x Administration

New OO customers:

HPE OO220 OO 10.x Flow Development → HPE OO320 Operations Orchestration 10.x Advanced Authoring → HPE OO420 Operations Orchestration 10.x Administration

## Certification

This course supports the following certification exam:
- OO 10.x ASE

## Course Topics

| Modules | Objectives |
|---|---|
| Module 1: Course Overview | • Introductions<br>• Class schedule and class logistics<br>• Related courses<br>• Documentation<br>• Lab environment details |
| Module 2: Installing, Configuring, and Updating OO | • Describe the OO installation process<br>• Locate and retrieves all installers required for a successful installation<br>• Prepare you server for OO<br>• Install and configure the database<br>• Install OO Central and OO Studio<br>• Verify OO installation<br>• Uninstall OO Central and OO Studio |
| Module 3: Worker Groups | • Explain and use workers, worker groups, and group aliases<br>• Describe how the flow author and the administrator can control the execution of specific operations |
| Module 4: Clustering | • Describe the concepts and functionality of clustering in OO<br>• Install the OO cluster<br>• Attach Remote Action Services (RAS) instances to the OO cluster |
| Module 5: LDAP Authentication | • Use LDAP authentication security concepts and administration applied to OO Central<br>• Explain and configure LDAP authentication in OO<br>• Explain and create roles<br>• Map roles to LDAP groups |
| Module 6: Database Maintenance and Purging | • Describe the use of the database in OO<br>• Describe the maintenance of the database in OO<br>• Perform purging tasks and procedures using both SQL scripts and OO flows |
| Module 7: Performance Monitoring and Auditing | • Explain and manage the parameters that might affect your system performance<br>• Describe how to effectively monitor OO<br>• Audit events data |
| Module 8: Security | • Describe the security models and recommendations for a secure implementation of OO<br>• Describe the security controls in OO 10 that support the new architecture |
| Module 9: Troubleshooting | • Describe some common and important troubleshooting tips s listed in the Troubleshooting Guide |
| Appendix A: New Features in 10.60 | • Describe the new HPE look and feel for OO<br>• Describe the new features in OO 10.60 |