Hewlett Packard Enterprise

OMi120 – Operations Manager i 10.x Essentials

Course No.: OMI120	Category/Sub Category: Operations Bridge
For software version(s): 10.1 Software version used in the labs: 10.11	Course length: Five days
Delivery formats: Instructor Led (ILT) and Virtual Instructor Led (VILT)	Training is available as a private session onsite.
To order visit: HPE Software Education	

Course Description

Operations Manager i (OMi) is the core component of the Operations Bridge solution. This five-day, entry-level, instructor-led training course offers technical personnel, who are new to Operations Bridge and Operations Manager i (OMi), the opportunity to develop hands-on experience in applying the fundamental principles, methodologies, and capabilities for managing events using OMi. This course includes hands-on labs that use version 10.11 of the OMi software.

Audience/Job Roles

This course is intended for new users of Operations Bridge and OMi, including:

- IT Tools engineers
- Operations staff
- Operations managers
- Availability engineers
- System administrators
- Network administrators

Course Objectives

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

- Use OMi to effectively identify, prioritize, and resolve events
- Create event dashboards to meet the information needs of specific users
- Describe Configuration Item (CI) resolution and correlation
- Identify the health of services and technology components based on Health Indicators (HIs) and Key Performance Indicators (KPIs) presented in OMi
- Create and use OMi performance dashboards
- Create and use OMi tools
- Create and tune Topology Based Event Correlation (TBEC) correlation rules
- Create and tune Stream Based Event Correlation (SBEC) correlation rules
- Create and tune Time Based Event Automation (TBEA) automation rules

- Create and tune event suppression rules
- Manage OMi user access and permissions
- Create and tune OMi notifications
- Configure integration between OMi and HPE Operations Manager (HPOM)
- Assign monitoring to CIs using Monitoring Automation (MA)

Prerequisites / Recommended Skills

To be successful in this course, you should have the following prerequisites or knowledge:

- IT operations principles and practices
- Systems and network administration
- Industry-standard operating systems
- Network, system, and application monitoring principles and practices

Learning Path

OMI120 - Operations Manager i 10.x Essentials → OMI200 - Operations Manager i 10.x Advanced

Certification

HPE ATP – Operations Manager i v10

Course Topics

Modules	Objectives
Module 1: Course Overview	- Course objectives - Class logistics - The lab environment - Additional course information - Course schedule
Module 2: OMi Overview	- Describe Enterprise Event Management - Describe the purpose of an Operations Bridge - Describe how an Operations Bridge enables team members to collaborate effectively - Summarize the components of HPE's Operations Bridge - Summarize the primary features and capabilities of OMi - Describe the data collectors that provide data to OMi

Module 3: OMi Navigation	• Define OMi operator workflow • Access the OMi UI • Use the Event Browser • Describe the primary event attributes displayed in the Event Browser • Use event filters to locate events of interest

Module 4: Operator Workflow	• Follow typical operator workflow
	    • Prioritize
	    • Analyze
	    • Remediate or escalate
	• Identify approaches for assigning events

Module 5: Health Perspective	• Define Health Perspective • Navigate Health Perspective

Module 6: Indicator Overview	• Explain HIs, KPIs, and ETIs:
	    • How they are used to determine health
	    • How the different indicator types relate to each other and affect each other
	    • How the state of each type of indicator is set and is propagated
	• Describe how CI health is presented using indicators

Module 7: Performance Dashboards	• Access performance dashboards • Use display control features • Use multiple methods to select time ranges • Export performance dashboard data • Share a link to a dashboard with others • View real-time data • View event overlay data • Create a performance dashboard favorite • Use comparison dashboards to compare CIs • Create a dashboard • Add a parameter to a dashboard • Map dashboards to appropriate CI types
Module 8: OMi Tools	• Access and use OMi tools • Create OMi tools • Define OMi tool authorization

Module 9: Operations Bridge Overview	• Describe how IT organizations can transition from a cost function to a value creator • Describe the Operations Bridge approach to addressing those challenges • Describe the applications that comprise the Operations Bridge solution
Module 10: Monitoring Dashboards	• Describe typical use cases for OMi monitoring dashboards • Describe OOTB monitoring dashboards provided with OMi • Access monitoring dashboards in My Workspace • Create a new monitoring dashboard • Create a new My Workspace page containing a monitoring dashboard
Module 11: RTSM Overview	• Describe the features of the Run-Time Service Model (RTSM) • Describe the role of the RTSM in an OMi implementation • Explain what a CI is • Explain how CIs and relationships are organized in the class model • Navigate the RTSM administrative UI • Locate and analyze CIs and relationships in IT Universe Manager
Module 12: Models and Views	• Describe the purpose of Modeling Studio • Explain what a model is • Explain what a view is • Explain what a TQL query is • Create a Pattern Based Model in Modeling Studio • Create a Perspective Based View in Modeling Studio • Create a Pattern View in Modeling Studio
Module 13: Event Reception	• Describe CI resolution • Describe automatic node generation • Describe ETI resolution • Create Indicator Mapping Rules
Module 14: OMi HPOM Integration	• Identify HPOM features used by OMi • Establish trust between OMi and HPOM • Configure OMi to connect to HPOM • Define dynamic topology synchronization (TopoSync) • Configure dynamic TopoSync • Configure message forwarding from HPOM to OMi
Module 15: Event Reduction Tuning	• Configure the Close Related Events feature of OMi • Configure the Duplicate Event Suppression feature of OMi • Configure the Event Suppression feature of OMi

	• Configure the Event Storm Suppression feature of OMi
Module 16: Topology Based Event Correlation	• Define Topology Based Event Correlation (TBEC) • Analyze TBEC operation • Use Correlation Manager • Correlate rule creation • Automate cross-domain correlation • Relate events manually
Module 17: Stream Based Event Correlation	• Configure the Stream Based Event Correlation (SBEC) feature of OMi
Module 18: Event Automation	• Configure the Time-Based Event Automation (TBEA) feature of OMi • Provide an overview of OMi event forwarding capabilities • Provide an overview description of Event Processing Interface (EPI) script capabilities • Provide an overview description of custom actions
Module 19: User Management	• Describe OMi user management • Describe how permissions are defined within roles • Describe how roles and permissions are applied to users and groups • Describe how roles are inherited by groups from parent groups • Create new roles • Create new groups • Create new users • Create event assignment rules
Module 20: OMi Content Packs	• Define packaged OMi functionality • Use the OMi content types • Analyze OOTB content • Work with the OMi Content Manager • Create a content pack • Export a content pack
Module 21: Monitoring Automation Overview	• Describe the features and benefits of Monitoring Automation (MA) • Describe how monitoring is organized into policy templates, aspects, and management templates • Navigate MA administration pages
Module 22: Monitoring Automation Workflow	• Assign MA management templates to CIs • Enter custom parameter values for assignments • Create automatic assignment rules to assign and maintain monitoring • Verify monitoring assignments in MA • Access monitoring configuration reports in MA

Module 23: BVD Overview	• Describe how Business Value Dashboard (BVD) enables IT to demonstrate alignment with business objectives
	• List the types of data that can be presented in BVD
	• List the data sources that can provide data to BVD
	• List the methods available for capturing external data
	• Navigate the BVD user interface
	• Describe the high-level workflow for dashboard creation
	• Create a BVD Forwarding rule in OMi
	• Associate incoming data with BVD dashboard widgets
Module 24: OMi Administration	• Use the Discover OMi page
	• Use the Return on Investment (ROI) page
	• Use OMi self-monitoring features and dashboards to monitor the health of OMi
	• Describe downtime concepts and configuration
	• Describe OMi downtime behavior concepts and configuration
	• Set up OMi event notifications
	• Describe OMi license management
	• Identify infrastructure settings for OMi
	• Locate log file information needed to troubleshoot OMi