



Course Data Sheet

OBA120 – Operations Bridge Analytics 3.x Essentials

Course No.: OBA120-30	Category/Sub Category:
For software version(s): 3.0 Software version used in the labs: 3.0	Course length: 4 days
Delivery formats: Instructor Led (ILT) and Virtual Instructor Led (VILT)	Training is available as a private session onsite.
To order visit: Software Education	

Course Description

This four-day, entry-level, instructor-led course offers technical personnel the opportunity to gain hands-on experience configuring Operations Bridge Analytics (OBA) to collect, analyze, and present data from a variety of data sources. This course includes hands-on labs that use version 3.0 of the Operations Bridge Analytics software.

The hands-on labs for this course use version 3.01 of the OBA software.

Audience/Job Roles

This workshop is recommended for application or system support personnel responsible for the availability and performance of business services and the supporting infrastructure.

Course Objectives

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

- Describe the components of an Operations Bridge Analytics (OBA) deployment
- Configure OBA to collect from Business Process Monitor (BPM), SiteScope, and Operations Agents (OA)
- Configure OBA to collect log messages from ArcSight Logger, Splunk, and Logstash
- Use the Log streaming capability to collect logs.
- Use the Search Tool to locate data of interest
- Create a new dashboard
- Create an OBA service topology
- Use Search Tool to query event and log data
- Configure OBA to collect data by using Operation Analytics data pipe
- Create Analytics Query Language (AQL) queries and create customized dashboards

- Use and setup the Anomaly detection to proactively detect abnormal behavior
- Use the predict feature to analyze metric behavior
- Use the correlate feature to analyze relationships between metrics
- Define and manage alerts
- Explain the features, capabilities, and value of log and event analytics
- Enable tracking on message groups and parameters

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
- Network, system, and application monitoring principles and practices

Related Courses

- OMI120 - Operations Manager i 10.x Essentials
- OMI01IT - Operations Manager i 10.x Interactive ART Training
- OBR120 - Operations Bridge Reporter 10.x Essentials

Certification

N/A

Course Topics

Modules	Objectives
Module 1: Course Overview	<ul style="list-style-type: none"> • Course objectives • Class logistics • The lab environment • Additional course information • Course schedule
Module 2: OBA Overview	<ul style="list-style-type: none"> • Introduction to Operation Bridge suite • Describe the purpose of Operations Bridge Analytics (OBA) • Describe the key features of OBA • Describe how you can use Big Data analytics to improve service quality • Interactive OBA Demonstration
Module 3: Using OBA Dashboards	<ul style="list-style-type: none"> • Access OBA dashboards • Use basic Phrase Query Language (PQL) and Extensible Query Language (XQL) to locate data of interest • Use the Playback feature to view the progression of recent status changes • Create a new dashboard • Copy a pane to a dashboard • Add metrics to a pane using the drag-and-drop feature • Create an OBA service topology • Search and navigate data for a service topology
Module 4: Proactive Analytics and Correlation	<ul style="list-style-type: none"> • Use the predict feature to analyze the behavior of metrics • Describe how OBA calculates baselines • Describe how OBA calculates predictions • Use the correlate feature to analyze relationships between metrics • Describe how OBA calculates correlations
Module 5: Smart search	<ul style="list-style-type: none"> • Describe the different query languages supported by OBA • Use the guided search capabilities provided by OBA • Use PQL in the dashboard search field to locate data • Use tags and keys in PQL to refine searches • Use XQL to search for log and event messages
Module 6: Log and Event Analytics	<ul style="list-style-type: none"> • Explain the features, capabilities, and value of log and event analytics • Describe the log and event analytics processing • Enable tracking on message groups • Enable tracking on parameters within message groups • Administer message groups and parameters
Module 7: Anomaly Detection	<ul style="list-style-type: none"> • Use anomaly detection for predictive analytics • Investigate anomalies in OBA • Use anomaly settings to tune anomaly behavior • Integrate OBA anomalies and OMi events
Module 8: Using AQL	<ul style="list-style-type: none"> • Describe how OBA data is accessed • Describe the purpose of Analytics Query Language (AQL) • Analyze and understand AQL used in OBA dashboards • Create AQL queries for OBA data analysis • Access OBA table details in the OBA UI • Use OOTB analytic functions provided by AQL • Use OOTB generic functions provided by AQL

	<ul style="list-style-type: none"> • Create simple AQL functions • Use AQL for log data
Module 9: OBA Deployments	<ul style="list-style-type: none"> • Describe the components of an OBA deployment • Describe the role of the OBA Collector • Describe the types of data collected by OBA • Describe the role of the OBA server • Describe the role of Vertica in an OBA deployment • Describe the capabilities provided when OBA is integrated with Operations Manager i (OMi) and Application Performance Management (APM) • Describe the minimum server resource needed in an OBA deployment • Describe the environment required to host and use OBA
Module 10: Collecting Metrics and Events from Micro Focus Products	<ul style="list-style-type: none"> • Describe the metric and event sources supported by OBA OOTB • Describe how OBA stores collected metric and event data • Use Source Type Manager to create and manage collection definitions • Configure OBA to collect Business Process Monitor (BPM) data • Configure OBA to collect SiteScope (SiS) data • Configure OBA to collect Operations Agent (OA) data
Module 11: Log Data Collection	<ul style="list-style-type: none"> • Integrate with ArcSight Logger • Integrate with Splunk • Create mappings to associate Splunk message fields to OBA fields • Configure Logstash to send log messages to OBA • Configure OA log streaming
Module 12: Alert Administration	<ul style="list-style-type: none"> • Describe the alert delivery methods available with OBA • Define an alert • Configure OBA to deliver alerts • View and manage alerts using Alerts Manager • Access alert history in alert dashboards • Configure OBA to deliver alerts to OMi as events