Training: Micro Focus
OBM200 - Operations Bridge Manager Advanced

TRAINING GOALS:

Training goals

This five-day, advanced, instructor-led course is designed for technically experienced Operations Bridge Manager 2020.x administrators and support personnel. It covers advanced concepts, principles, methodologies, and hands-on configuration of the OBM software and solutions. In addition, this training provides an opportunity for OBM administrators to learn how to extend the value of their current implementation using custom event handling and integration with other applications.

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

- Describe, configure, and troubleshoot Configuration Item (CI) resolution
- Describe, configure, and troubleshoot Event Type Indicators (ETI) resolution
- Describe, configure, and troubleshoot the primary stages of the event pipeline
- Create and tune Topology Based Event Correlation (TBEC) rules
- Create and tune Stream Based Event Correlation (SBEC) rules
- Create and tune Time Based Event Automation (TBEA) rules
- Create OBM custom actions
- Create and tune event suppression rules
- Create queries, views, and models in RTSM
- Customize the way health information is processed and displayed in OBM
- Create an event processing customization based on an existing script
- Create and deploy policy templates for Data collection using:
  - Measurement Threshold Policy Template
  - REST Web Service Policy Template
  - Database Policy Template
  - Structured Log File Policy Template
- Configure Metric Streaming on nodes using the IDL (COSO) data source
- Provide an overview on OpsCx and Topology Policies

Audience/Job Roles

This course is intended for:

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

CONSPECT:

- Module 1: Course Overview
  - Identify the contents and objectives of the course
  - Define the class schedule and class logistics
  - Discuss the lab environment
  - Identify the additional course information
- Module 2: Event Pipeline
  - Describe event processing in OBM Gateway Component
  - Describe event processing in OBM Data Processing Component
  - Describe the effect of each event pipeline on events
  - Locate and tune parameters relevant to each stage of Event pipeline
  - Locate log messages relevant to each stage of Event pipeline
- Module 3: CI Resolution
  - Explain CI resolution processing
  - Recommend appropriate hints to be provided by event sources
  - Configure the CI resolution cache
- Module 4: ETI Resolution
  - Describe how Event Type Indicators (ETIs) enable sophisticated OBM processing
  - Follow best practices to customize and use ETIs
  - Describe how data collectors deliver ETI hints in events
  - Resolve issues related to ETI resolution
  - Locate log files containing ETI resolution entries
- Module 5: Event Reduction Tuning
  - Configure the Close Related Events feature of OBM
  - Use the Duplicate Event Suppression feature of OBM
  - Use the Event Suppression feature of OBM
  - Configure the Event Storm Suppression feature of OBM
- Module 6: Topology-Based Event Correlation

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- Define Topology Based Event Correlation (TBEC)
- Identify the TBEC operation
- Use the Correlation Manager
- Correlate rule creation
- Automate cross-domain correlation
- Relate events manually

- Module 7: Stream-Based Event Correlation
  - Configure the Stream Based Event Correlation (SBEC) feature of OBM
- Module 8: Event Automation and Forwarding
  - Configure the Time-Based Event Automation (TBEA) feature of OBM
  - Analyze OBM event forwarding capabilities
  - Define the Event Processing Interface (EPI) script capabilities
  - Identify custom actions
- Module 9: Event Processing Interface
  - Describe event processing interface entry points in the pipeline
  - Describe EPI scripting use-cases
  - Explain the required components of an EPI script
  - Create an event processing customization based on an existing script
  - Verify successful operation of an event processing customization
  - Add logging to an EPI script
- Module 10: RTSM Modeling
  - Identify the purpose of Modeling Studio
  - Define a model
  - Create a view
  - Define a TQL query
  - Use the Modeling Studio to create a:
  - Pattern-Based Model
  - Perspective-Based View
  - Pattern View
- Module 11: Service Health Customization
  - Describe customizing Service Health to meet unique requirements
  - Create Health Indicators (His)
  - Create Key Performance Indicators (KPIs)
  - Create KPI assignments
  - Describe the operation of KPI Enrichment Service (KES)
  - Describe the operation of Multi-process Architecture Business Logic Engine (MARBLE)

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- Module 12: Custom Actions
  - Explain the purpose and operation of custom actions
  - Access and execute custom actions
  - Analyze the results of custom actions executed
  - Describe the primary areas of OBM that support customization using Groovy script
  - Create a custom action
  - Verify successful operation of a custom action
  - Add logging to a custom action
  - Access the Java documentation for OBM-related APIs
- Module 13: Measurement Threshold Policy Templates
  - Create and assign Measurement Threshold policy template
- Module 14: REST Web Service Policy Templates
  - Create REST Web Service policy template
  - Assign REST web Service policy template
  - Test the REST web Service policy template
- Module 15: Database Policy Templates
  - Create a Database policy template
  - Assign a Database policy template
  - Test a Database policy template
- Module 16: Structured Log File Policy Templates
  - Create Structured Log File policy template
  - Assign Structured Log File policy template
  - Test the Structured Log File policy template
- Module 17: Collect Once – Store Once (COSO)*
  - Explain the concepts of Collect Once – Store Once
  - Configure metric streaming aspect for target nodes
- Module 18: OpsCx Overview and Topology Policies
  - Describe the features and capabilities of OpsCx
  - Describe how OpsCx provides events, metrics, and topology to OBM
  - Describe the OpsCx policy types
  - Access the OpsCx policy management user interface
  - Create OpsCx policies to deliver topology to the RTSM
  - Verify that topology is delivered successfully to the RTSM
  - Troubleshoot topology delivery issues
  - Use OpsCx administration tools
  - Locate primary OpsCx log files

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- Module 19: OpsCx Metric Policies
  - Create OpsCx metric log file policies
  - Verify Data in the OA Metric Store
  - Verify Data in OBM Performance Dashboard
- Appendix: OBM MOM Configuration*
  - Provide an overview on OBM MOM configuration
  - Configure Lightweight Single Sign-On (LW-SSO) on all OBM servers
  - Establish a trust relationship between all OBM servers
  - Configure all OBM servers that communicate with each other as connected servers
  - Configure topology forwarding using Data Flow Management
  - Configure event forwarding

REQUIREMENTS:

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

Difficulty level

CERTIFICATE:

The participants will obtain certificates signed by Micro Focus (course completion).

TRAINER:

Authorized Micro Focus Trainer

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