Operations Bridge Manager 2022.x Advanced (OBM200-202205)

ID OBM200-202205   **Prix** sur demande   **Durée** 5 jours

A qui s'adresse cette formation

This course is intended for:

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

Pré-requis

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

Objectifs

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 OPTIC DL (COSO) data source
- Provide an overview of OpsCx and Topology & Metric Policies

Contenu

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 step on events
- Locate and tune parameters relevant to each stage of the Event Pipeline
- Locate log messages relevant to each stage of the Event Pipeline
- Use Performance Dashboard to View Event Pipeline Statistics

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

- 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: 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:
- Instance-Based Model
- Pattern-Based Model
- Perspective-Based View
- Pattern View
- Template and Templated-Based View

Module 10: 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 the successful operation of an event processing customization
- Access the Java documentation for OBM-related APIs
- Add logging to an EPI script
- Install and use the OBM Script Development Kit
- Use Groovy Console

Module 11: 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 the Groovy script
- Create a custom action
- Verify the successful operation of a custom action
- Add logging to a custom action

Module 12: 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 the Multi-process Architecture Business Logic Engine (MARBLE)

Module 13: Measurement Threshold Policy Templates

- Create and assign a Measurement Threshold policy template

Module 14: REST Web Service Policy Templates

- Create a 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 a Structured Log File policy template
- Assign Structured Log File policy template
- Test the Structured Log File policy template

Module 17: OPTIC Data Lake (OPTIC DL)*

- Explain the Containerized OpsBridge Suite deployment architecture and its components
- Explain the concepts of OPTIC Data Lake (OPTIC DL)
- Describe OPTIC DL Data Collection
- Explain OPTIC DL Integrations
- Describe OPTIC DL Out-of-the-Box (OOTB) BVD Reports
- 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 and deploy on OpsCx to deliver topology to the RTSM
- Verify that topology is delivered successfully to the RTSM
- Troubleshoot topology delivery issues
- Use OpsCx administration tools
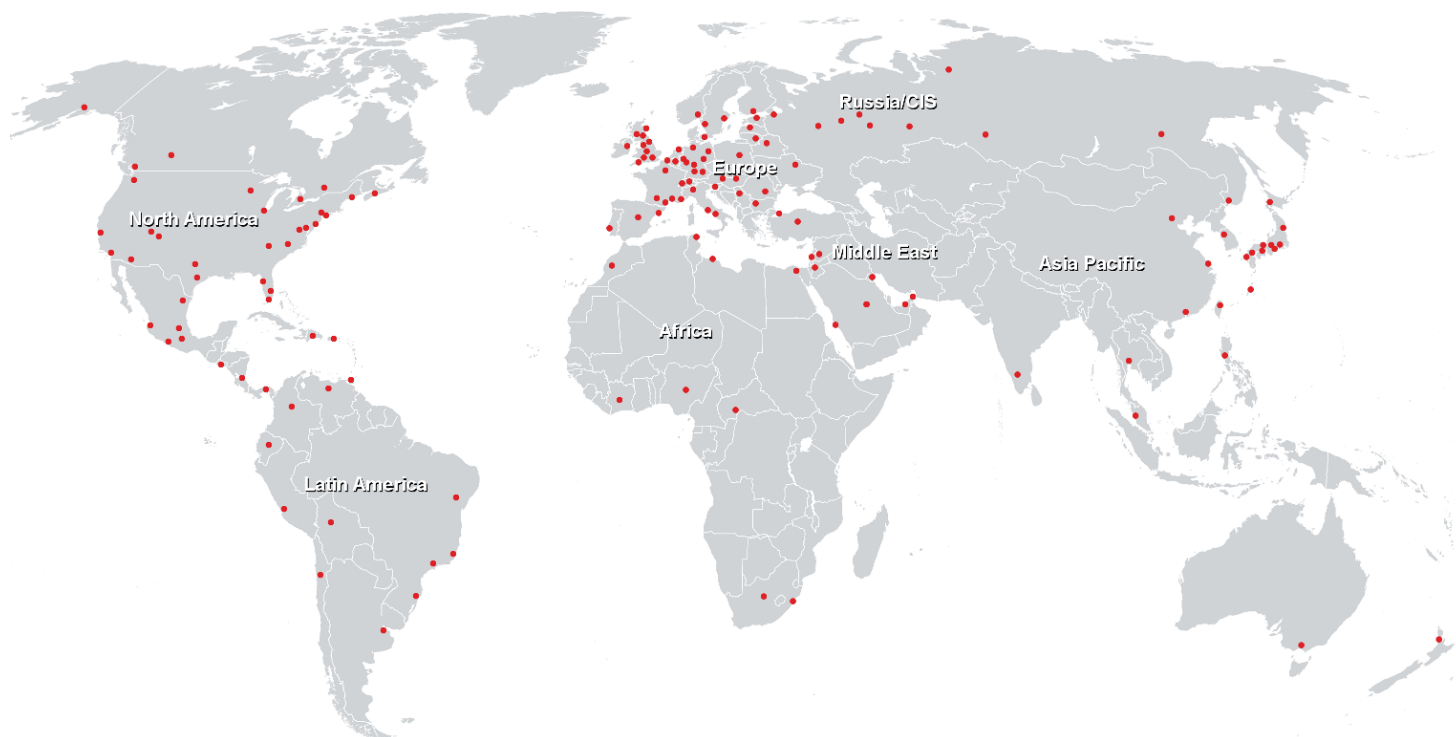- Locate primary OpsCx log files

Module 19: OpsCx Metric Policies

- Create OpsCx metric log file policies
- Assign the policy on OpsCx
- Verify Data in the OA Metric Store
- Verify Data in OBM Performance Dashboard

Appendix: OBM MOM Configuration*

- Provide an overview of 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

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