BMC AMI Ops Monitor for z/OS® 6.x: Fundamentals Concepts (WBT)

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[Learning Path >]

Course Code: AOMO-ZOSC-F604

Modality	Duration	Applicable Versions	Target Audience
Web-based Training (WBT)	4 Hours	BMC AMI Ops Monitor for z/OS 6.4	• Operators • Administrators • System Programmers

Course Overview

The BMC AMI Ops Monitor for z/OS® product is part of the BMC AMI Ops Monitoring solution and a system-management application that allows you to monitor and manage the performance and availability of your entire z/OS® environment.

BMC AMI Ops Monitor for z/OS® proactively monitors all z/OS resources and metrics. It can monitor z/OS® resources more efficiently with a single point of view. You can monitor data from multiple systems and use a summary view to display multiple-system data in one line. Smart alarms provide an early warning of real problems and enable you to take action by issuing commands.

This course introduces you to BMC AMI Ops Monitor for z/OS® and explains its features and key concepts. It also explains how to navigate through the easy menus, customize the screens and views, and use the system utilities.

Prerequisites

- NA

Recommended Trainings

- NA

Learning Objectives

- Discuss the monitoring concepts and the types of monitoring
- List the monitoring key features and the types of interfaces
- List the BMC AMI Ops Monitor for z/OS metrics and discuss the hierarchy of metrics
- Describe the BMC AMI Ops Monitoring solution
- Understand CMF Monitor
- Describe context determination and dynamic SSI contexts
- Understand views and screens
- List the AMI OpsM for z/OS® view categories
- Discuss screen and view customization
- Create a customized screen with multiple windows
- List the window commands that can be used while working on multiple windows
- List the views to access historical data and use the TIME command
- List the line commands on the DSLIST view
- Discuss the naming convention for a view and understand the ending suffix in a view name
- List the overall system performance views and analyze data in the system, job, and LPAR views
- Use summarization on a field of the jobs view
- Discuss BMC AMI Ops Alarm Manager and understand Alarm Management
- List the alarm definitions
- Discuss the threshold conditions priority levels
- Navigate to the EZALAMS menu
- List the categories of Alarm Management views
- Create an alarm

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Course Modules

Module 1: Monitoring Overview
- Introduction to Monitoring
  - Purpose of IT Monitoring
  - Types of Monitoring
  - Benefits of BMC AMI Ops Monitoring
  - Centralized Architecture
  - Monitoring Key Features
  - BMC AMI Ops Metrics
  - Hierarchy of Metrics
  - Metrics for BMC AMI OpsM for z/OS®
  - How BMC AMI Ops Collects Metrics
  - Responding to Metrics
- BMC AMI Ops Monitoring Overview
  - BMC AMI Ops Monitoring Areas
  - Monitoring Solution Overview
  - Introduction to BMC AMI OpsM for z/OS®
  - BMC AMI Ops Infrastructure
  - BMC AMI Ops Infrastructure Components
  - CAS
  - PAS
  - UAS
  - Types of User Address Space
  - BMC AMI Ops for z/OS® Architecture
  - BMC AMI Ops Monitoring Architecture Benefits
  - BMC AMI Ops Connectivity and Integration
  - Connectivity and Integration Extended Across SysPlex
  - CMF Monitor and OpsM for z/OS®
  - BMC AMI Ops PAS Integration and zIIPs

Module 2: BMC AMI Ops Monitor for z/OS Features
- BMC AMI OpsM for z/OS® Key Concepts
  - Interfaces
  - MainView Explorer
  - UI
  - Data from multiple systems
  - Context Determination
  - Dynamic SSI contexts
  - Help
  - Message and codes
- Navigation in BMC AMI Ops Monitor for z/OS®
  - Navigation to z/OS® Solution
  - Ease of Navigation
  - Navigation options
  - Hyperlinks
  - Screen
  - Screens View
  - User defined screen
  - Views
  - How a view is created
  - Menu and Tabular views
  - Summary and Detail Views
  - OpsM for z/OS® view categories
  - Displaying a view
  - Views Command
  - Set Context
  - Context Command
  - Sort
  - Include mask
  - Locate
  - Export, Show Filter and ALT Win commands

Module 3: Understanding Customization and Easy Menus
- Screen and View Customization
  - Customization
  - Screen Customization
  - horizontal split
  - Vertical split
  - Windows
  - Common Commands
  - View Customization
  - Identify the type of view
  - Create a screen
  - Customization options panel
  - Exclude
  - Customization using filters
  - Save Views
  - View customization options
  - Using view parameters
  - Plex Manager
- Easy Menu in OpsM for z/OS®
  - Types of Menus
  - Primary Easy Menus
  - BMC AMI OpsM for z/OS® Easy Menu
  - Timeframes
  - Fast Menu
  - Object Menus
  - Systems Menu
  - Job Easy Menu
  - Devices Activity
  - Data Set Usage Menu
  - Storage Easy Menu
  - Coupling facility
  - WLM Monitoring
  - Storage Class Memory

Module 4: Accessing BMC AMI OpsM for z/OS® Views
- Using OpsM for z/OS® views
  - Overall System Performance Views
  - SYSOVER View
  - SYSPERF View
  - SYSINFO View
  - SYSCNFG View
  - SYSSUM View
  - Historical Details for an Interval
  - SYSSTAT View
  - View Category Displayed in the View Name
  - JSTAT
  - JDELAY
  - Summary Job Workflow and Delay
  - Hyperlinks From JDELAYZ
  - Summarization
  - Navigation to Jobs Overview
  - LPAR Statistics
  - LPAR Activity
  - LPAR Capacity
- Accessing Historical Data
  - Historical Database
  - Historical Data
  - Views to Manage Historical Dataset
  - Determine the Aavailable Data with DSLISTZ View

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- DSLIST View
- Line Commands on DSLIST view
- Long Term and Short Term History
- Possible Reasons for Data not Available
- Accessing Historical Data Using Time Command
- Different Uses of Time Command
- Using Dynamic Fields with Historical Data
- Status of Historical Dataset

Module 5: Introduction to Data Collectors and System Utilities

- Working with z/OS® data collectors
  - Data collectors
  - How Data Collectors Work?
  - Interval Record Counters
  - z/OS® Data Collectors and Extractor
  - Data Collector Actions and Procedures
  - DCSTAT View
  - Commands on DCSTAT View
  - Manually Enable or Disable Data Collectors
  - OpsM for z/OS® Data Collectors and Related Views
  - Affected Fields When Data Collectors are Disabled
  - Controlling job step data collection
  - Summary Job Step Termination View
- Using the System Utilities
  - System Utilities
  - Selecting a system utility
  - Simulating an Operator Console
  - Monitoring Common Storage Usage
  - Output Fields on the Common Storage Summary Panel

Module 6: Alarm Management

- Alarm Definitions and Alarm Management
  - BMC AMI Ops Alarm Manager
  - Alarm Management Components
  - Alarm Definitions
  - Threshold Conditions Priority Levels
  - Alarm Management Views
  - Categories of Alarm Management Views
  - Alarm Definition List Views
  - Alarm Definition Actions
  - Alarm Reports
  - Activity Log Views
  - Alarm Status and Performance
  - Alarm Reporting
  - Messages for Alarm Reports
- Create an Alarm
  - JDELAYZ View
  - Command to Create an Alarm
  - Consider These Records Panel in the Make Alarm Wizard
  - Make Alarm Persistence Conditions
  - Make Alarm Threshold Conditions
  - Report Alarms
  - Alarm Definition Make Panel
  - Alarms View