ABSTRACT

BMC AMI SECURITY

BMC AMI Datastream for z/OS: Fundamentals Using (WBT)

Learning Path >

Course Code: ASDS-ZOSU-F071

Modality	Duration	Applicable Versions	Target Audience
Web-based Training (WBT)	2 Hours	BMC AMI Datastream for z/OS 7.x	• System Programmers

Course Overview

For many large organizations, one or more IBM z/OS mainframes constitute a strategic capital investment for mission-critical applications, processes, and data. With security information and event management (SIEM) software platforms existing predominantly in distributed environments, the AMI Datastream for z/OS allows organizations to include mainframe event log data for a unified, multi-platform view of enterprise security event data in a single console.

BMC AMI Datastream for z/OS is an agent program that you install and run on one or more LPARs to monitor system activity, collect process, and deliver SMF records, such as RACF, ACF2, Top Secret, TCP/IP, CICS, IMS, and other z/OS system and application events to your distributed SIEM in real-time.

In this course, the system programmers will learn in detail about the value of SIEM, the modify, start, and stop commands through the medium of engaging self-paced web-based learning and guided simulations to better grasp concepts.

Prerequisites

- NA

Recommended Trainings

- BMC AMI Command Center for Security 6.x: Fundamentals Using

Learning Objectives

- Introduction to BMC AMI Datastream for z/OS
- Understand SMF Records
- Configuring Automated and Manual Responses
- Learn in detail about SMF Exits
- Understand APF Authorization
- Startup Parms
- Install startup parm
- $$$ PARMS
- Display (OPTIONS)
- Understanding messages
- Understanding the message rates sent to all SIEMs
- Stopping the STC
- Stop Parameters
- Understanding Agent overhead
- Value of the CZALDFIL utility
- JCL ramifications of connecting simultaneously to multiple SIEMs
- Understanding the CZA0042I Message
- Refreshing the Datastream CZAPARMS parms

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Course Modules

Module 1: Introduction to Datastream for z/OS

- Introduction to BMC AMI Datastream for z/OS
- Mainframe detection and responses
- Understand SMF Records
- Value for Command Center and ISV SIEM
- Configuring Automated and Manual Responses
- Difference between started tasks and batch jobs
- Learn in detail about SMF Exits
- IP Ports
- Understand APF Authorization
- ZIIP Enablement

Module 2: Start and Stop Command

- Understanding how to start the STCs
- Learn about the Start Parameters
- Startup Parms
- Install startup parm
- Understand the stop command
- Stopping the STC
- Stop Parameters
- AMISSID parm

Module 3: Messages

- Understanding messages
- Understand STC syslog for any error messages
- Maximum message size
- Verify there are no new error messages in the Syslog
- Understanding the message rates sent to all SIEMs

Module 4: Modify Command

- Understanding the modify command Understanding the
- $$$ CZAPARMS
- $$$SELCT
- $$$CONSL
- $$$SERVR
- License keys
- Display (OPTIONS)
- Maximum length of message in Datastream
- Different message types
- Multiple time formats in the Datastream Syslog

Module 5: Tips and Tricks

- Understanding Agent overhead
- Analyzing HZS health check message
- Value of the CZALDFIL utility
- JCL ramifications of connecting simultaneously to multiple SIEMs
- Understanding how the Datastream server communicates with the command center
- Understanding the CZA0042I Message
- Return codes
- Refreshing the Datastream CZAPARMS parms

Discount Options 🌐

Have multiple students? Contact us to discuss hosting a private class for your organization.

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