

BMC AMI iStrobe 24: Subsystems Performance Analysis Using iStrobe (WBT)

[Learning Path](#)

Course Code: CPST-SANA-U2407

Modality

Web-based Training (WBT)

Duration

2 Hours

Applicable Versions

BMC AMI iStrobe 24.07

Target Audience

- Developers
- Performance Analyst

Course Overview

BMC AMI iStrobe is an application performance analysis product designed to interface with the BMC AMI Strobe MVS Application Performance Measurement System and to run on the CES web application server. It provides intuitive navigation, graphical visualizations, and detailed drill-down capabilities to help identify performance issues and optimize resource usage across mainframe environments.

In this web-based training, learners will explore performance analysis techniques for major mainframe subsystems, including Db2, CICS, IMS, and MQ. The course demonstrates how to examine subsystem-specific reports, identify high CPU-consuming transactions and programs, interpret performance metrics, and use iStrobe analysis features to investigate processing delays and resource usage. Through practical analysis scenarios, learners will develop the skills needed to diagnose performance problems and optimize application and subsystem performance in a z/OS environment.

Note: In addition to English, the textual content and audio of this course are available in French, Chinese (Simplified), German, Italian, Japanese, Korean, Portuguese (Brazil), and Spanish (Mexico).

Recommended Trainings

- BMC AMI iStrobe 24: Using Workbench for Eclipse and iStrobe Web (WBT)

Recommended Knowledge/Skills

- Basic mainframe knowledge
- Familiarity with COBOL, DB2, and CICS
- Understanding of performance concepts (CPU, response time)
- Basic navigation skills in UI tools

Learning Objectives

- Identifying the role of subsystem performance analysis within the BMC AMI iStrobe environment.
- Navigating iStrobe reports and analysis views to access subsystem performance data.
- Interpreting key performance metrics and resource utilization information for Db2, CICS, IMS, and MQ workloads.
- Investigating subsystem-specific reports to identify performance bottlenecks and high resource-consuming activities.
- Analyzing performance issues by correlating report data and tracing potential root causes across subsystems.
- Applying iStrobe analysis techniques to diagnose performance problems and support workload optimization efforts.

Course Modules

Module 1: Introduction to Subsystem Analysis

- Subsystem and its types
- Importance of subsystem analysis
- Data view fields and their definition

Module 3: CICS Performance Analysis

- Identifying CICS activity in a profile
- Accessing a CICS profile from Strobe Advisor
- Reviewing CICS workload information
- Determining whether CICS requires further investigation
- Comparing Profiled Transactions and All Transactions
- Interpreting transaction performance metrics
- Identifying high-impact transactions
- Drilling down into transaction and program details
- Reviewing the CICS Service Time report
- Analyzing activity by transaction, terminal, and user
- Identifying sources of waiting in the CICS Region Suspend report
- Investigating suspend categories and wait events

Module 5: MQ Performance Analysis

- Accessing an MQ profile
- Reviewing MQ activity in Strobe Advisor
- Identifying queues that require further investigation
- Accessing the MQSeries Activity report
- Reviewing MQ activity by module and queue
- Investigating queue manager, module, section, and queue details

Module 2: Db2 Performance Analysis

- Identifying Db2 as a significant CPU consumer by using Strobe Advisor
- Using Db2 Top SQL Activity to focus on SQL statements with the greatest CPU impact
- Using the Db2 Profile Report to investigate Db2 activity at the package, statement, trigger, workload-summary, and wait-metric levels
- Using SQLAF views to examine SQL Statement Text, Explain information, Translation, Observations, and Catalog Statistics
- Interpreting SQL execution information and performance indicators, including statement count, CPU time, elapsed time, and wait time
- Using Db2 Top SQL Activity to focus on SQL statements with the greatest CPU impact

Module 4: IMS Performance Analysis

- Accessing an IMS profile
- Reviewing IMS activity in Strobe Advisor
- Investigating IMS activity by transaction, module, and section