

# BMC AMI Log Analyzer for IMS

Find the root cause of problems in IBM® IMS™ quickly and easily

## PRODUCT DESCRIPTION

BMC AMI Log Analyzer for IMS gathers the log records that are relevant to a problem and correlates the raw data into an application flow to simplify the problem diagnosis, including transaction failures and delays.

## BUSINESS CHALLENGE

Applications have become more complex and may span multiple IMS images or “hop” between WebSphere® Application Server, IMS Connect, MQ®, CICS®, IMS, and Db2®. When business processes and applications fail in these mixed environments, it is difficult and time consuming to determine what caused the problem. To diagnose incorrect results or integrity problems, you need to understand detailed historical information stored in the IMS logs.

## BMC SOLUTION

BMC AMI Log Analyzer for IMS makes it easy to diagnose problems, such as transaction failures and delays, using information from the IMS logs. It organizes thousands (or even millions) of log records, groups related records into logical units of work (LUOWs), and sorts and identifies them with clear labels so that you can find the information you need. BMC AMI Log Analyzer for IMS enables you to audit user, terminal, database, and other activities—producing clear, accurate reports to help auditors, security analysts, and administrators track access and usage, and ensure compliance with internal and external regulations.

## KEY FEATURES

- Provides detailed information about “who did what” in the IMS environment
- Offers powerful search functionality to find what you need, when you need it
- Provides both overview and detail information
- Retains the LUOWs in case you need them for subsequent processing

## KEY BENEFITS

- Simplifies IMS problem analysis
- Filters the “noise” from the IMS logs
- Provides a high-level view of application processing for a single IMS or your entire IMS environment
- Shows a transaction in context with all other activity that was occurring in the system



Simplify problem analysis



Search by criteria



Show a transaction in context

## PRODUCT DETAILS

**Simplifies problem determination:** BMC AMI Log Analyzer for IMS synthesizes millions of log records into a few pertinent workflows and correlates all related log records into a concise view that reflects all events for an IMS transaction or application flow. By providing a big-picture view of application processing, regardless of how many transaction message switches occurred or how many IMS systems were involved, BMC AMI Log Analyzer for IMS helps the next generation of IMS professionals understand application flows. You can easily see a transaction in context with all other activity that was occurring in the system.

You can search for pertinent log records by specified criteria, perform complex searches with combinations of criteria, and search for specific log records. You can drill down from a logical view of the application flow into detailed views of the individual records that comprise the transaction.

**Provides audit trails:** BMC AMI Log Analyzer for IMS audits user, terminal, database, and other activities to explain “who did what” during a specific time frame and exactly what they did.

**Processing large IMS Log datasets:** The PRESELECT feature enhances processing of larger IMS log datasets. This function will work with the ANALYZE function to reduce the number of IMS log records needed to build a LUOW. This feature is available in both batch and ISPF interface environments. In addition, support for 64-bit memory management improves in-core memory utilization to enable more efficient processing of IMS log records.

**Log record formatting:** The batch keyword PARSEREC will create an extensive formatted view of each supported log record in an easier to read view. The ISPF PARSE command in the LUOW list log record display shows the formatted log record view.

**IMS statistics reporting:** By using the contents of the IMS x'45' statistic log record and its subtypes, you can create reports for individual statistics or grouped statistics such as BUFFER, CTL, TCB, STORAGE, DISPATCHER, 64BIT, or IRLM. The output includes counts, intervals, and deltas based on the type of report chosen. This batch report function is implemented with the REPORT keyword IMSSTATISTICS.

**Integrates with other BMC products:** BMC AMI Log Analyzer for IMS provides integration with the following products:

- **BMC AMI Ops for IMS** - to provide a complete picture of all database activity for accurate troubleshooting and auditing results
- **BMC AMI Energizer for IMS Connect** - to show IMS Connect data in the Log Analyzer LUOW reports
- **BMC AMI Application Restart Control (AR/CTL) for IMS** - to identify application programs that issue too many or too few checkpoints. Use the Application Checkpoints report to supply data for checkpoint pacing in AR/CTL.



### FOR MORE INFORMATION

To learn more about BMC AMI Log Analyzer for IMS, please visit [bmc.com/ims](https://bmc.com/ims)

## About BMC

From core to cloud to edge, BMC delivers the software and services that enable over 10,000 global customers, including 84% of the Forbes Global 100, to thrive in their ongoing evolution to an Autonomous Digital Enterprise.

**BMC—Run and Reinvent**

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