Improving IMS system performance

IBM IMS Performance Analyzer Version 3

**Highlights**

- Helps improve IMS system performance and database availability
- Delivers new Fast Path Monitor and Log reports
- Supports IMS Versions 5, 6 and 7
- Provides easier-to-use documentation
- Offers DBRC Log selection

**Overview**

IBM IMS™ Performance Analyzer is fast becoming the standard for IMS resource and performance management. Providing a wide variety of performance, usage and availability reports, IMS Performance Analyzer can help:

- Shorten transaction response times
- Enhance message region and queue use
- Improve buffer pool usage
- Increase resource availability
- Boost system and application programmer productivity
- Reduce the need to run IMS utilities
- Provide ongoing system management and measurement reports.

IMS Performance Analyzer Version 3 offers numerous new reports and features:

- IMS V7 support for all Log and Monitor reports
- IMS V7 new Fast Path Monitor record support
- New Monitor reports
- New Fast Path Log reports
- New and enhanced Log reports
- DBRC Log selection, which allows automatic selection of log input files for report processing
- Online Interface enhancements
- Easier-to-use documentation.
**IMS V7 new Fast Path Monitor record support**

All Region and Program reports are enhanced to provide:

- Transaction and schedule information for IFP regions
- EMH, DEDB and MSDB DL/I call information
- Region and Jobname summary.

Database IWAIT reports now offer DEDB and MSDB IWAIT activity. Total system IWAIT reports are enhanced with:

- DEDB Read, Write and Lock IWAIT activity
- MSDB Write IWAIT activity.
- IFP region IWAIT activity.

New Fast Path analysis reports present:

- Fast Path Buffer usage
- BALG and Shared EMHQ activity
- OTHREAD activity
- VSO activity, including Preload, DASD I/O, Castout and CF activity
- Resource Contention, including DEDB Area Lock IWAIT activity.

**New Monitor reports**

Monitor reports now include:

- Buffer Pool and Latch statistics
- Communication and MSC reports
- Batch VSAM statistics
- Performance Exception reports, including Intent Failure, Pool Space Failure and Deadlock Events
- ESAF Usage
- Monitor Record Trace.

**New Fast Path Log reports**

A comprehensive new suite of Fast Path Log reports provides:

- IFP Transit reporting, similar to the Message Queue Transit reports
- Equivalent DBMUTA0 reporting, including extracts
- IFP Region Occupancy
- EMH Message statistics
- FP Resource Usage and Contention
- FP Database Call statistics
- DEDB Update Activity and Trace
- VSO statistics
- Full Sysplex support by merging multiple subsystem log files.

**New and enhanced Log reports**

Several new Log reports are available:

- New Transaction Transit report with transaction performance statistics and extract capability
- New User Program providing transaction DL/I call, CPU time, Scheduling, Enqueue, DBCTL and WFI statistics
- OTMA, MQSeries® and APPC transaction support.

**Online Interface enhancements**

The Online Interface is enhanced to allow:

- Monitor Input specification of monitor data sets by IMS subsystem
- Report Set submission to optionally prompt for the report time period.

**Easier-to-use documentation**

In this revision of the IMS Performance Analyzer documentation, the User’s Guide has been split into two manuals. The first is the User’s Guide itself, which provides important setup and troubleshooting information.

The User’s Guide has been enhanced to provide documentation on New User Program features, sample source code and batch command syntax, which is used as an alternative to Report Sets.

The second manual is the handy Report Analysis reference. Designed to serve the systems performance analyst on a daily basis, the reference provides detailed descriptions and examples of available reports.

**For more information**

Please contact your IBM marketing representative, an IBM Business Partner or 1-800 IBM CALL within the U.S. Also visit our Web site at ibm.com/software/data/db2imstools.

When ordering IMS Performance Analyzer, please specify program number 5655-E15.