

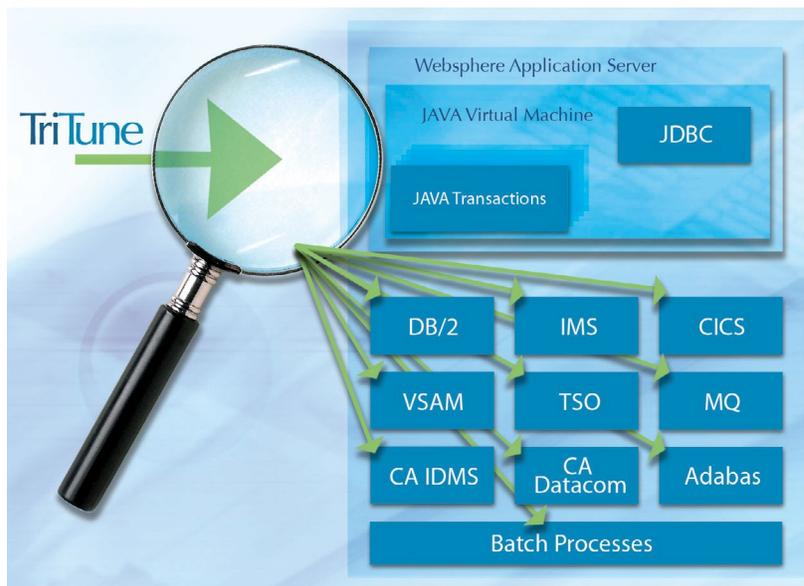


ASG-TRITUNE
ASG-APC for TriTune

OVERVIEW

IT organizations are being asked to reduce processing costs while simultaneously improving service levels with increasingly fewer skilled technical staff and constant budget cuts. ASG-TriTune is an advanced and robust application Performance Analysis and Tuning tool designed to identify and address application efficiency – one of the primary issues impacting the performance, cost and complexity of z/OS-based systems.

For performance engineers, technical analysts, and applications development teams, ASG-TriTune isolates the sources of excessive processing more quickly and easily than traditional application performance analysis products, improving application response and lowering CPU consumption. ASG-TriTune pinpoints application execution delays and presents an in-depth performance profile through an easy-to-use, interactive interface. ASG-TriTune is the most advanced solution for eliminating performance inefficiencies that unnecessarily inflate application operational costs.



BENEFITS

- Enables applications and performance specialists to uncover system, database, I/O and application performance inefficiencies in z/OS-based systems
- Recovers wasted processing time and reduces CPU consumption leading to improved processor utilization, deferred capacity increases, and reduced chargeback costs
- Delivers subsystem and language support components in a single all-inclusive license
- Saves application performance personnel time, which saves a company money



BENEFITS

- Identifies root cause of Application Performance inefficiency
- Provides information to improve application response time
- Reduces time to resolution of application performance exceptions

ASG-TRITUNE AT A GLANCE

- ASG-TriTune pinpoints application execution delays and presents an in-depth performance profile through an easy-to-use, interactive interface. ASG-TriTune works for traditional and Parallel Sysplex environments.
- ASG-TriTune provides detailed delay and execution metrics that let analysts quickly identify the root-cause for suboptimal or bad performance of mission-critical mainframe applications
- ASG-TriTune provides content-sensitive online help containing tuning information that can turn even junior analysts into tuning experts. ASG-TriTune, can capture, document, and share site-specific information throughout the organization.
- ASG-TriTune is the measurement component of ASG's Automated AQM Solution

PARALLEL SYSPLEX SUPPORT

ASG-TriTune makes it easy to work in a complex Parallel Sysplex environment.

- Monitors batch jobs regardless of which system the job executes on
- Views an entire Sysplex as a single logical system
- Runs monitor requests locally on a specific system in the Sysplex, or manages requests across all systems in the Sysplex

SUPPORT FOR DB2 DDF AND STORED PROCEDURES

ASG-TriTune provides detailed performance data on DB2 database processing on z/OS for tuning SQL calls arriving via DB2 Distributed Data Facility (DDF) or running as Stored Procedures. With the growth in distributed applications that generate DB2 database processing on z/OS, Dynamic SQL and Stored SQL Procedures have become critical areas requiring in-depth performance analysis.

- Reports detailed statistics on DBRM processing and individual Dynamic SQL arriving via DDF
- Provides Requesting and Correlation IDs to link resource-intensive Dynamic SQL processing to the originating applications
- Reports procedure name and processing statistics for DB2 Stored Procedures executed during ASG-TriTune monitor session

SUPPORT FOR WEBSHERE ON Z/OS

For JAVA applications executing under Websphere configured on z/OS, ASG-TriTune makes the critical connection between the z/OS-based system services visible to standard monitors and the JAVA application itself where meaningful performance analysis can occur.

- Identifies individual transactions entering the Websphere Application Server
- Reports individual JAVA class and method names and specific JAVA program statements responsible for generating the heaviest amounts of execution and database processing
- Provides important statistics on Websphere memory utilization and performance

INTERACTIVE ANALYSIS INTERFACE

ASG-TriTune presents the information needed to keep applications tuned and performing optimally - all in an easy-to-use, interactive format.

MONITOR MANAGEMENT FEATURES

Monitor definitions can be stored and saved for later use, grouped together to execute at the same time for different address spaces within the Sysplex, and scheduled for automatic invocation. Monitor history reports allow a user to review run-to-run measurement overview statistics to see how a tuning effort is progressing.

BENEFITS

- Isolates inefficient application code to reduce CPU consumption
- Provides in-depth analysis for Websphere-based applications running on z/OS
- Provides enhanced analysis for DB2 Distributed Data Facility

MONITOR COMPARE FEATURE

- The Monitor Compare Feature enables comparison between two ASG-TriTune monitors side-by-side in one online report. An organization can now compare two ASG-TriTune monitors quickly without the need to produce batch reports, print the reports, and manually compare the results.
- The Monitor Compare feature provides a convenient mechanism to review an application change by comparing the results of ASG-TriTune monitors that were executed before and after the change. Any anomalies produced by the application change are identified by the side-by-side comparison, allowing the user to easily identify and correct the anomalies efficiently.

APPLICATION PERFORMANCE ANALYSIS SIMPLIFIED

ASG-TriTune enables the analyst to group related modules for fast, easy analysis.

- Defines related modules as a single group, resulting in a clearly delineated application module on which to focus tuning efforts
- Measures elapsed time for all grouped modules and reports back by using the pseudo group identifier
- Relates delays to program statements
- Compares program activity to the actual high-level language statements that were executed, instead of only CSECT offsets
- Registers programs during the analysis phase (see complete list below)
- Identifies and displays the sections of code that are causing delays or excessive CPU consumption

DETAILED ANALYSIS OF ONLINE TRANSACTIONS

An analyst can review online performance at the transaction level by selecting transactions by transaction ID, user ID, terminal ID, or a combination of IDs. ASG-TriTune allows the user to view data delays by transaction, code activity by transaction, and database activity by transaction.

“ASG-TriTune helps us identify applications that are using too much CPU. By measuring with ASG-TriTune, we get a clear view of the problem and can then tell the programmer what to change for the application to perform better.”

Director of Data Processing,
Large Financial Institution

AUTOMATED AQM: THE SOLUTION FOR PROACTIVE APPLICATION PERFORMANCE TUNING

Combined with APC™ for ASG-TriTune, the leading automation and data mining engine on the market, ASG-TriTune is the most advanced performance analysis and tuning solution available. The combination with APC maximizes the benefits of ASG-TriTune by integrating powerful functionality. APC offers the highest degree of automation possible and eliminates over 90 percent of manual efforts.

AUTOMATED AQM

- Discovers all concealed tuning opportunities across the entire z/OS production system, even before performance problems arise
- Provides the highest levels of IT cost savings possible, by dramatically increasing the scope of tuning opportunities, discovering all unnecessary resource consumption
- Helps corporations improve customer service, meet SLA's and maintain a competitive edge, saving millions of dollars in deferred hardware and software

SUPPORTED SUBSYSTEMS AND LANGUAGES

ASG-TriTune supports the following subsystem and language environments with a single, integrated solution:

- CICS
- CTS
- CA-Datcom
- CA-Optimizer
- NATURAL
- FORTRAN
- PL/I
- C/C++
- Assembler
- DB2®
- IMS
- ADABAS
- COBOL VS
- COBOL II
- REXX
- CA-Ideal
- Enterprise COBOL
- Enterprise PL/I
- CA IDMS
- JAVA
- USS

“With some programs, we reduced processing by up to 70 percent! Even some small modules that we would never have had time to look at, contributed to the overall reductions.”



Sr. Manager,
Applications
Performance
Large International
Financial Management
Firm

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ASG Technologies | 1.239.435.2200 or 1.800.932.5536 | 708 Goodlette Road North, Naples, Florida USA 34102 | www.asg.com

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