

Lower Your MIPS Usage and Improve Application Performance with Mainframe Application Tuner

Key Features

- **New graphical user interface (GUI) based on Eclipse:** This GUI helps a new generation of performance specialists to diagnose and fix performance issues in your environment and provides a modern interface for the more experienced mainframe generation.
- **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.
- **Easy analysis:** Performance Management Assistant (PMA) provides automated discovery of tuning opportunities, with the summary report aggregating top resource consumers across all subsystems.
- **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.

Key Benefits

- Easy access to detailed performance data
- Quickly fix performance issues and meet service level agreements (SLAs)
- Automated discovery of tuning opportunities
- Help improve customer service and reduce resource costs
- Improved service levels
- Reduction in MIPS costs

Mainframe Application Tuner (MAT) enables performance management teams to more quickly, easily and proactively identify the root causes of application performance inefficiencies in IBM z/OS systems to improve response times and lower CPU consumption. This incremental release features ease of use enhancements as well as greater technical currency support.

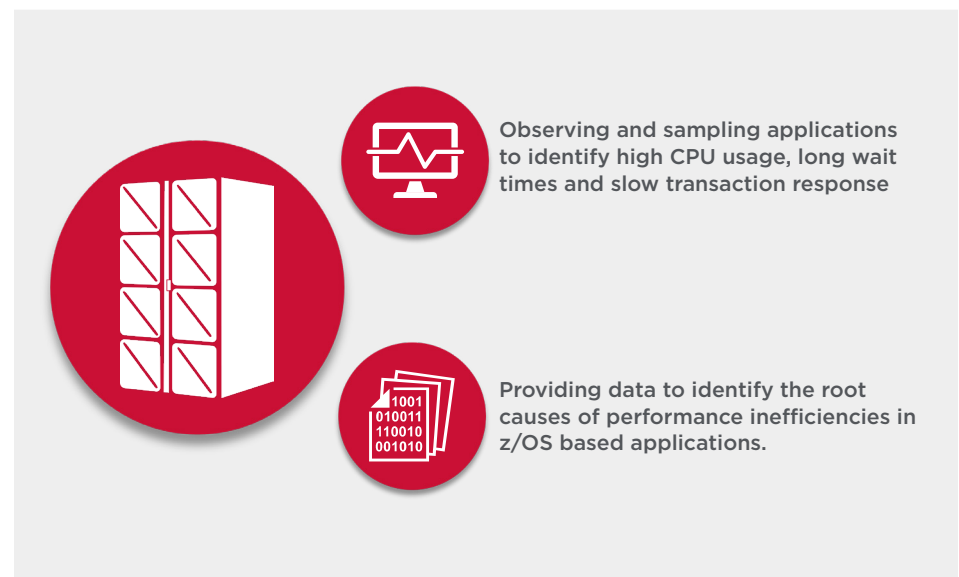
Business Challenges

As experienced IT staff transition into retirement and new employees are on-boarded, tools need to become easier to use. Mainframe Application Tuner provides relevant, concise and in-depth application performance reporting for both the system programmer and the application developer.

New enhancements address a constantly changing technical environment and help you to better identify and resolve application performance issues such as:

- Increased resource utilization that drives higher MIPS growth and IT costs
- Expanding application portfolios and complexity magnify problem resolution
- 24x7 data access reduces available window for updates and recovery

Use MAT to Improve the Performance of Applications



Business Value Estimate Data Sheet

Business Value Estimations

MAT benefits can be quantified through a wide range of benefit scenarios. The following table shows some key benefits of MAT.

Business Value Proposition	Business Value Enabler	Specific Measurement	Solution Area	Impact Range ¹	Key Resources Affected	Average Resource Value ²	Projected Savings/Year ³
Improved revenue protection for customers and partners	MAT increases application availability and performance.	Revenue loss protection	Mainframe Application Tuner	5-15%	Annual Revenue Impacted by Downtime	\$5,000,000	\$500,000
Improvement in application response times resulting in increased business user productivity	MAT intelligently triggers measurements when a potential problem is detected, so problems can be resolved before users are impacted.	Cost of time saved	Mainframe Application Tuner	0.1-0.3%	Users of mainframe applications	5,000 Employees	\$1,000,000
Improvement in application tuning productivity and ability to proactively ensure SLA compliance	MAT provides automated discovery of tuning opportunities. MAT features an intuitive Eclipse-based GUI that you can customize. Group related modules for quicker referencing.	Cost of time saved	Mainframe Application Tuner	25-35%	System programmers/performance engineers	26 FTEs	\$1,014,000
Increased availability of processing MIPS due to better use of CPU resources	MAT helps you pinpoint code inefficiencies and identify areas where you can lower CPU consumption.	Reduction in MIPS costs	Mainframe Application Tuner	3-7%	MIPS hardware and software costs	7,000 MIPS @ \$3,000 avg. annual cost	\$1,050,000
Reduced frequency and duration of triage/crisis management calls	MAT helps you quickly determine the root cause of performance issues. It offers best practice guides and serviceability enhancements to speed problem resolution.	Cost of time saved	Mainframe Application Tuner	25-35%	Crisis management FTEs	7 FTEs	\$330,750
Faster time to problem resolution through SYSVIEW® Performance Management and Endeavor® Software Change Manager integration	When SYSVIEW® detects an application performance management issue, it can automatically initiate MAT measurements. Then, performance analysts can drill down to the Endeavor SCM listing of source line of code where problem exists.	Cost of time saved	Mainframe Application Tuner, SYSVIEW®, Endeavor® SCM	3-5%	IT system support FTEs	7 FTEs	\$37,800
Reduction in cost of software maintenance renewals for replaced or redundant software	Cost savings from consolidating or retiring tools and thereby avoiding maintenance and renewal cost of replaced software.	Licensing and maintenance cost of replaced software	Mainframe Application Tuner	48-58%	Software maintenance costs	\$330,000	\$153,000

1. The Impact Ranges shown above are estimations derived from the analysis of benchmark data which is a composite of data derived from industry analyst published information, interviews with subject matter experts and experiential data from prior projective analyses.

2. The Average Resource column shows resource values representative of those used in business case analyses by the Broadcom Business Value Analytics Team.

3. The Projected Savings may be representative results for organizations whose Average Resource values are similar to those in this table. Labor rates for all FTEs are assumed to be \$65/hour. Actual calculations may include additional parameters. Your Broadcom representative can provide detailed benefit calculations for values in this column.

The values expressed in this table are not a guarantee of achievable results and will vary depending upon your current infrastructure, people, and processes as well as the appropriate, effective implementation, adoption, and use of the solution.

Your Broadcom representative can also share additional and more detailed ROI business case examples for this solution by engaging the Broadcom Business Value Analytics team. This team works with Broadcom's customers to develop and analyze a comprehensive set of assumptions and environment specific metrics in order to build customized projective business cases.