

Save Money, Improve User Experience: How to Improve App Performance Management with CA Mainframe Application Tuner

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CA Mainframe Application Tuner

Is it right for you?

I need to...

- Save on MIPS costs
- Save on software licensing costs
- Better handle “chargebacks” costs
- Move away from high costs and “locked-in” contracts



- Improve application performance
- Improve visibility to the right reporting
- Improve product integrations



CA MAT helps **Optimize the Customer Experience and Avoid MIPS Costs – AND Save on Software Costs**

- Reduce MIPS Usage
- Save on Maintenance Costs
- Automated Performance Measurement & Analysis
- Simple to Use & Install

How Performance Management Helps:

A Customer Case Study

LVM Improves service levels for three million customers with optimized mainframe application performance

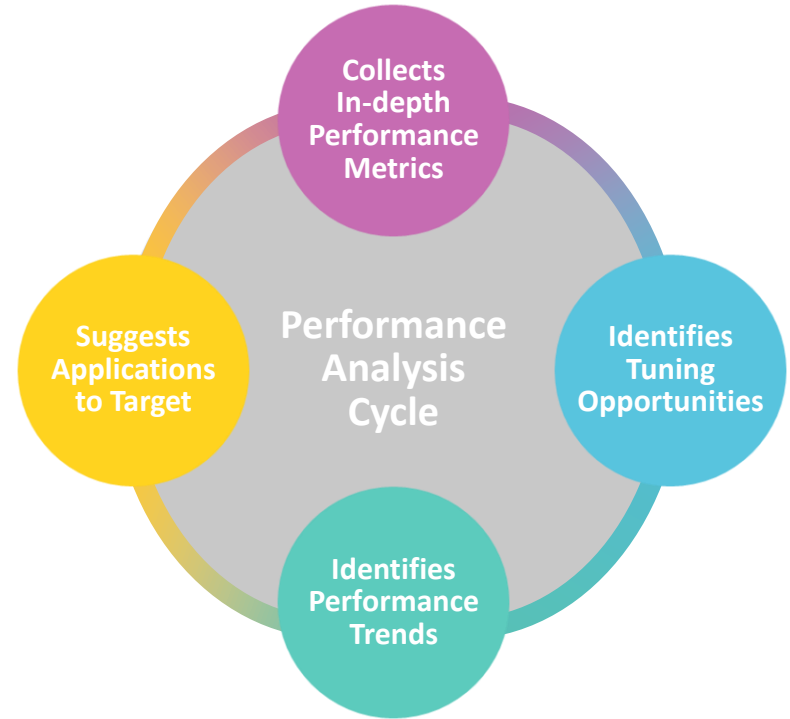
“With CA Mainframe Application Tuner we have been able to reduce the processing time for some daily batch jobs from hours to a matter of minutes. These improvements have helped to shorten LVM’s overall daily batch processing time **from 14 hours to 7 hours.**”

“With LVM’s IMS transaction volume growing as a result of a new online application for its 2500 offices this optimization was key. We had already reached 100 percent on our LPAR with just 70 offices using the new application. Using CA Mainframe Application Tuner, we were able to reduce LPAR utilization to **80 percent** in just two weeks by identifying optimization opportunities. As a result, we were able to migrate another 380 offices using our existing mainframe resources.”

CA Mainframe Application Tuner

What Is CA MAT?

- Enables performance management teams to quickly identify the root cause of application performance issues in z/OS based systems
- Provides proactive application performance analysis to help organizations easily improve applications run time, CPU consumption and response time
- Provides the application view of performance for system and performance programmers, application developers and database administrators



CA Mainframe Application Tuner

How is CA MAT Used?

CA MAT is used to **improve the performance of applications** by:



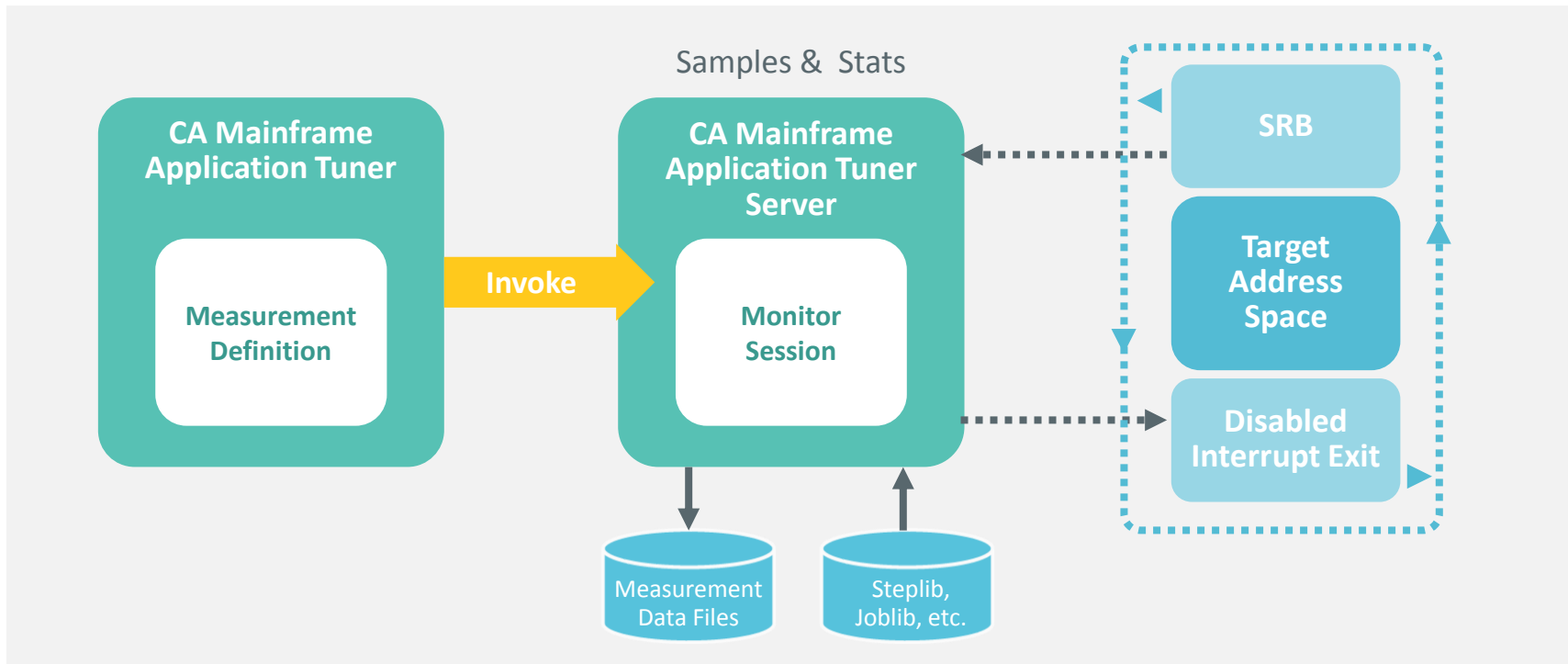
Observing and sampling applications to identify high CPU usage, long wait times and slow transaction response times



Providing data to identify the root causes of performance inefficiencies in z/OS based applications

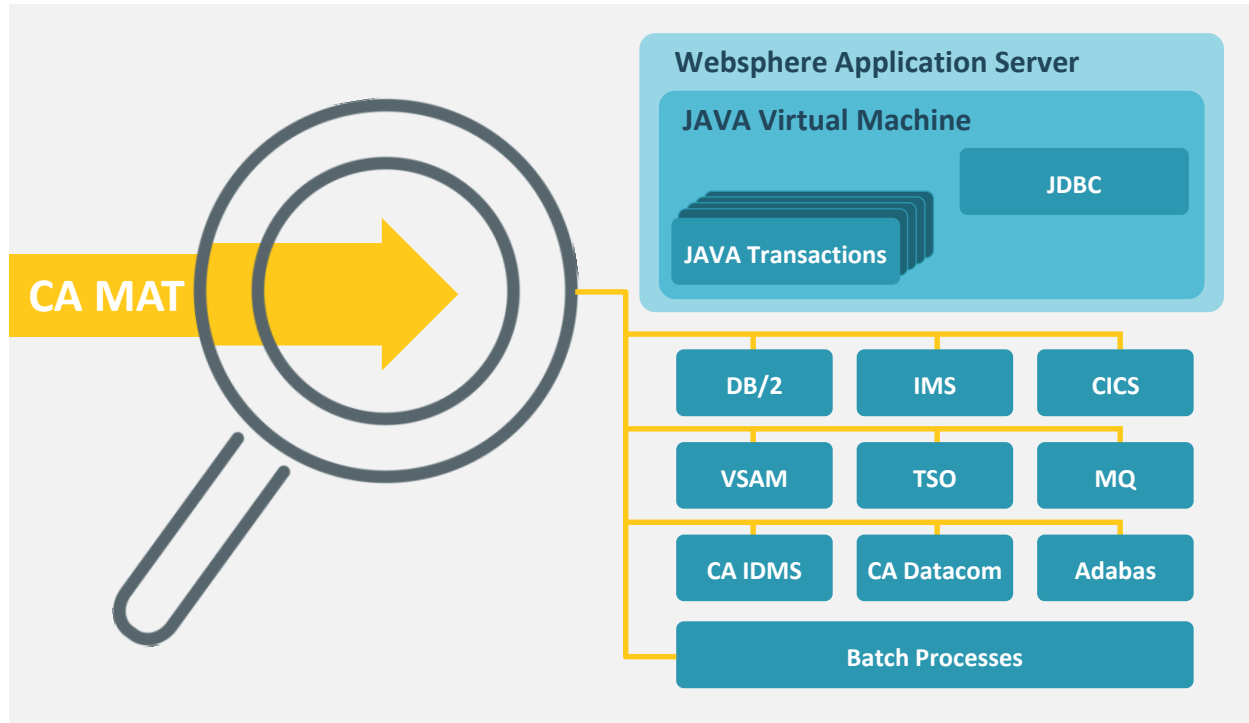
CA Mainframe Application Tuner

How Does it Work?



CA Mainframe Application Tuner

Supports over 20 Sub-Systems and Languages



Supported Languages:

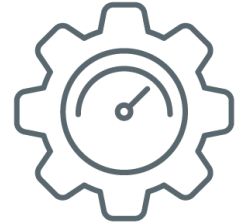
- COBOL
- PL/I
- Assembler
- C
- C++
- REXX
- CA Ideal™
- Natural

CA Mainframe Application Tuner

Performance Management Assistant (PMA)

Ask yourself... Do you know:

- Which transactions affecting your overall performance?
- When a batch job processing time has increased?



Are you maximizing savings by prioritizing tuning opportunities?

- Does your staff have enterprise-wide visibility into specific transactions, programs, and database calls that consume the most resources?
- Would better automation across your full environment improve staff productivity?

CA Mainframe Application Tuner

Performance Management Assistant (PMA)

Detects threshold violations for run-time, CPU, SUs & EXCPs

**Automated Discovery
with Performance
Management Assistant**

Identifies new/changed modules and triggers measurement to expose new inefficiencies

Discover

Threshold
Generated

New/Changed
Module

Runaway
Program

User
Request

Detects out-of-pattern spikes and triggers in-depth measurements in real-time or at next execution

User-defined thresholds and measurements for specific or groups of selected job-steps

CA Mainframe Application Tuner

Performance Management Assistant (PMA)

Automatic Application Targeting

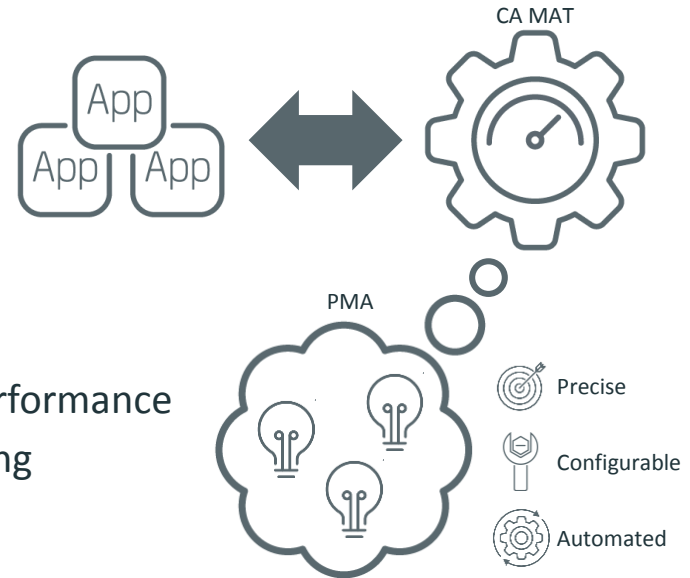
- PMA tracks your applications learning its behavior
- Alerts are generated

Proactive Application Measurement

- PMA triggers and manages CA MAT measurements.
- Helps you identify transactions that are affecting performance
- Helps tame batch jobs whose run times are increasing

Automated Information Review

- PMA extracts key information from MAT and prioritizes based on CPU time, elapsed time, SVCU, EXCP, etc.
- Top Scope (user defined) identifies the largest resource consumers. This helps to focus on the areas that will produce the largest return.



CA Mainframe Application Tuner

Integration with CA SYSVIEW®

When CA SYSVIEW® detects a problem, it can automatically initiate CA Mainframe Application Tuner for measurements

This integration enables operations to drill down to the very line of code or SQL where the problem is

Overall, end-to-end visibility enables faster identification and resolution of problems



CA Mainframe Application Tuner

Integration with CA SYSVIEW®

CA MAT may be invoked under multiple circumstances:

- A threshold violation automatically triggers a CA MAT measurement
- A system programmer cannot determine why a subsystem is consuming an excessive amount of CPU, and invokes CA MAT to determine potential application-level issues



A DBA or application developer may be involved to diagnose and rectify the results of a CA MAT measurement

Reports such as Code View, Delay View and Transaction Overview help isolate problem areas of code

CA Mainframe Application Tuner

Staying Connected

Agile Development

Take the opportunity to influence our product development. Help ensure that we deliver is what you need and want.



Influencing Our Roadmap

CA Communities Ideation

- Submit your ideas on communities.ca.com
- Vote & comment on ideas that are important to you
- CA Product Management reviews ideas and updates status as they move through the lifecycle
- “Currently Planned” idea status indicates inclusion in Agile Backlog or Product Roadmap

Customer Validation

- Register to participate in:
 - Live Demos/End-of-Sprint Reviews
 - Private - Members Only - Online Community
 - Pre-Release Onsite Testing and Support (Beta)
 - Upgrade Support from SWAT Team
- How to register: <https://validate.ca.com>



CA Mainframe Application Tuner

One Last Note!



Call for Speakers now open.

Learn more: ca.com/caworld



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