

Metastorm Integration Manager for CICS

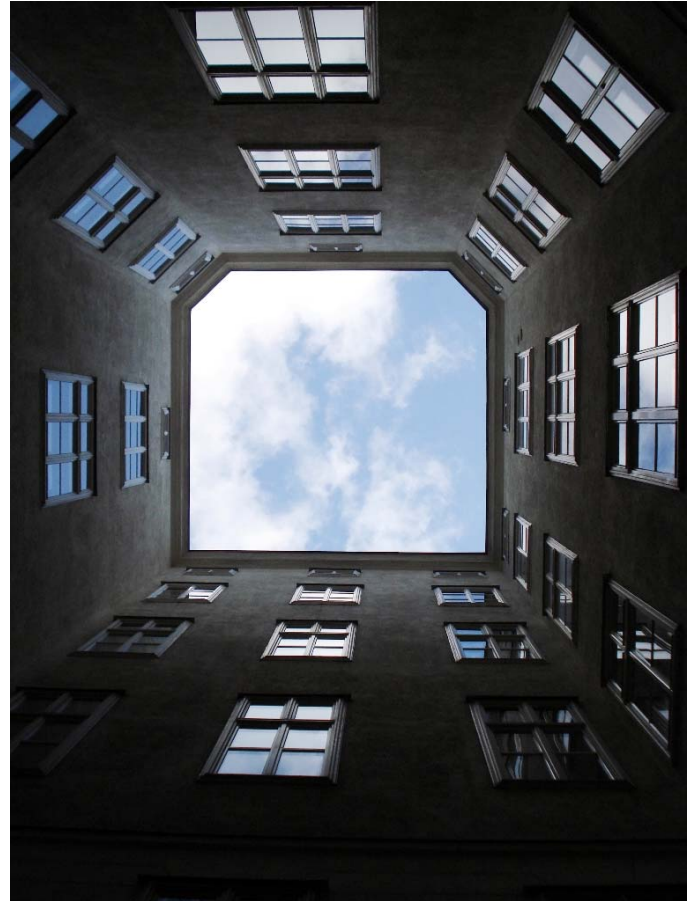


Your Data Now Sees the Light of Day

At the heart of today's enterprise is a highly diverse range of systems, applications and data sources. For many organizations, the CICS (Customer Information Control System) from IBM remains a key platform for running critical applications. CICS has multiple well-established strengths including processing consistency, control, performance, and reliability. Yet, historically, CICS' resources have been largely walled off from the rest of the organization and difficult, at best, to integrate with new services-oriented and more fluid technology initiatives. As a result, you often confront costly and lengthy changes to CICS-based applications and have great difficulty responding quickly to business demands.

Given the increasingly dynamic nature your organization and the criticality of CICS-based applications, you need better ways to incorporate CICS-based assets into other critical business and IT imperatives.

Metastorm Integration Manager for CICS (MIM CICS) frees and enables your CICS applications and data without requiring massive efforts to upgrade systems, add new and foreign architectures, or re-train staff. No longer do you have to consider application re-writes and lengthy design sessions. MIM CICS allows you to maintain the security models and application logic you worked so hard to develop over the years. A point-and-click tool allows CICS to be a full and cost-effective participant in your corporate Service-Oriented Architecture (SOA) and Enterprise Service Bus (ESB) strategies.



Key Features

- **Reuse CICS Assets, Standards**
 - Point-and-Click Service Enabling: Design tools allow you to point to a CICS resource (file, screen, database, queue, application) and create a live service in just minutes.
 - Repurpose Existing Security: Utilize the same security infrastructures in place today, ensuring data security and controlling costs.
 - Glue Code Scripting Language: Adjust cross-service rules without having to recompile or obtain hard-to-find skills. See faster solutions and feedback to users as part of your CICS modernization efforts.
- **CICS Process Orchestration**
 - Design-to-Execution Modeling: Draw the integrated systems to realize instant orchestration including transaction logic, auditing, exception management and state control.
 - Cross-language Components: Realize seamless interaction between your CICS applications and .NET, Java, C, Cobol, and other language interfacing.
 - Leverage Standards, Don't be Gated by Them: MIM supports standards such as Web Services and XML but isn't bound to the a single model in order to meet your performance and flexibility needs.
- **Visibility and Control**
 - Anytime Access: Access web-based views into active and past integration, remote system processes, currently available services, and transaction repair facilities.
 - Graphical Audit Logging: Realize deep process coordination across CICS and other platforms of MIM to provide centralized log and storage of transaction events for rapid pinpointing of problems or organization compliance.
 - Leverage Metastorm Enterprise(tm): Fully realize business transactions as part of enterprise architecture plans, process analysis, and human BPM with the rest of the Metastorm family.

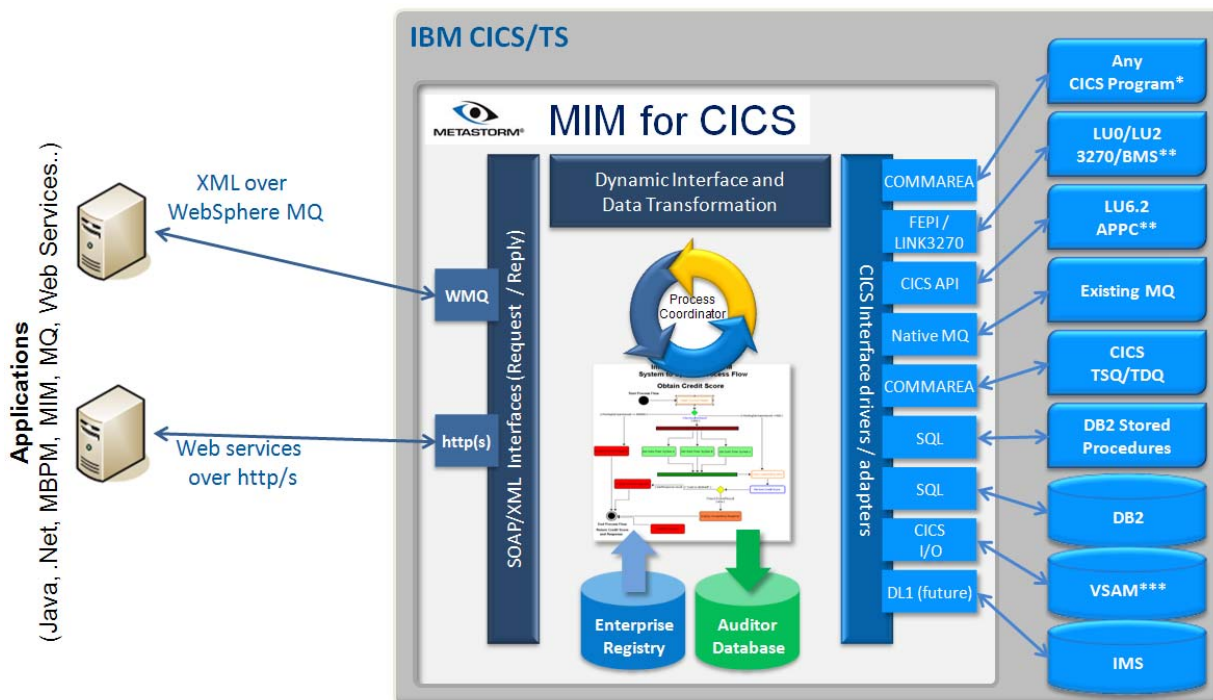
The Ins and Outs

Reaching in, Reaching Out –MIM CICS allows external applications natural and flexible access to your CICS resources via Web Services or xml messaging. New applications or services can call into CICS using a variety of real-world interaction models including synchronous request-reply, request and asynchronous reply, and other types of fire-and-forget-then-acknowledge patterns. MIM CICS also enables existing CICS applications to reach out to other external services as a client, taking advantage of new Web Services or other messaging-enabled applications inside or outside the organization. The solution enables event driven architecture (EDA), facilitating real-time complex event processing, liberating the valuable investments in data and application logic inside the CICS environment. These interaction and input-output capabilities allow MIM CICS to service-enable any application and data source in CICS regardless of complexity and other technical constraints.

Change Within – Metastorm designs our software to rapidly express the intent of the business and be understood throughout an organization. MIM CICS demonstrates this beautifully by providing a graphical means for defining steps in a business process and a corresponding execution engine ready to handle the rigorous demands of your enterprise from sequence complexity (contiguous, fork/merge, and sub-process steps), to volume/throughput demands, to an ability to manage processes lasting microseconds or days, weeks, months, or even years. MIM CICS adds to this cross-platform capability by taking advantage of the native CICS transaction server such that an entire business process executes as a single CICS Unit of Work. This means MIM CICS rolls back all business process activities (CICS resource calls) should one part of the transaction fail. This natural approach to CICS eliminates complicated worry logic and acts as a powerful service abstraction tool amongst services calls inside the CICS environment.

At Your Service

MIM CICS is a key that unlocks your business data from multiple standard and even custom interfaces in the CICS environment. MIM CICS exposes any CICS program as a re-usable service internal or external to CICS by simply importing a copybook through a graphical wizard. Likewise, it provides wizards to service-enable existing 3270 screens (including multi-page navigation), LU 6.2, messages (TSQ and WebSphere MQ), and databases (VSAM, DB/2, and IMS). All of this service-enabling (files, screens, programs, etc.) is done in minutes as opposed to hours, days, or weeks via other approaches using your existing system and people resources.



*All COMMAREA data types, ** CICS, IMS, TPF, *** KSDS, ESDS, RRDS

Ensure Visibility, Compliance, Security

Instant Proof: What Happened, When, By Whom – Auditing in today’s business environment is more important than ever. MIM CICS requires no special effort to provide you with end-to-end auditing of the integration actions on your critical business data. Detailed web-based logging occurs for every transaction including time, user authority, and performance. If desired, integration interfaces can easily add to the MIM’s audit log for enhanced traceability. Corporate governance can be ensured through process coordination and by enforcing corporate business rules. Finally, all transactions go through a standard and customizable security infrastructure for consistent, compliant, and secure data exchange using Secure Socket Layer (SSL) and other proven corporate security approaches.

Under Lock and Key – MIM CICS does not re-invent the wheel with security. It utilizes the facilities that have secured your mainframe applications for years, the Resource Access Control Facility (RACF). For instance, MIM CICS uses RACF Pass tickets to prevent you from having to save passwords (first security risk) or send passwords over an unprotected network (second security risk).

Customization and Extensibility

One Family, Reused for Value – As a member of a broader Metastorm Integration Manager family, MIM CICS works seamlessly with MIM MFT and MIM IS to enable integration sophistication previously unknown. Spanning dozens of systems in parallel, performing multiple Managed File Transfers followed by transactions to CICS, the Metastorm Integration Manager architecture comes together to meet your real world needs. MIM complements a corporate SOA and ESB strategy, often used as an overall manager of distributed integrations to message brokers, Electronic Data Interchange (EDI) translators, and other technologies common to large organizations. The service-enabling capabilities of MIM allow all of these interactions to benefit from common auditing, error handling/trapping, across a unified architecture.

Product Prerequisites - Overview

▪ Run-time: Operating System

- o CICS Version 2.3, Version 3.1, or 3.2
- o IBM z/OS Version 1.7, 1.8, 1.9

▪ Design-time: Operating Systems

- o Windows XP (Professional edition SP2)
- o Windows Server 2003 (Standard and Enterprise)

▪ Messaging*

- o WebSphere MQ V6.0

* MQ is only required for certain product features, please see documentation

▪ Databases**

- o IBM DB2 for z/OS Version 8.1, 9.1

** DB2 is required only for process audit features

For more information, visit Metastorm at <http://www.metastorm.com>.

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