

Metastorm Integration Manager for Managed File Transfer



The Need for Automation

At the heart of today's enterprise is a highly diverse range of systems, applications and data sources. Because these assets play such a critical role, the success or failure of your organization can hinge on how well they can be leveraged. Most organizations currently rely on a number of data integration technologies to address their information sharing requirements. Typically, this includes a mix of FTP, homegrown, and other file transfer products. These solutions are often time-consuming to build, difficult to manage, costly to maintain, unreliable, and limited in their ability to support new business initiatives and applications. Challenges to business automation come in the form of deployment cost overruns, technical difficulties, and unexpected reoccurring costs.



Metastorm's comprehensive data integration solution offers you a unique process-centric approach that rapidly addresses these integration challenges. Metastorm Integration Manager Managed File Transfer (MIM MFT) provides the facilities required to integrate data across all popular computing platforms and data sources. Currently deployed in thousands of locations across tens of thousands of computing environments, MIM MFT assists multiple market segments with their data integration needs including financial services, retail, telecommunications, manufacturing and state and local governments. MIM MFT can help you, too.

Key Features

▪ Managed Data Integration

- Event-based Directory Monitor: Allow instant sharing of file-based data.
- Managed File Transfer: World-class file transfer capabilities including recoverability, security, and auditing.
- Database and Queue Support: Access to-and-from databases and messages through streaming message and database support.
- Customizable Exit Points: Structured exit points provide customization for application integration, data translation, and security.
- Broad Platform Support: With support for over 15 platforms across Windows, Unix, Linux, i5/OS, and z/OS.

▪ Centralized Management

- Manage Multi-Host Configurations: Control configuration of thousands of hosts (Windows, Unix, i5, and z/OS) centrally with local caching.
- View Service Log Access: Securely pinpoint problems instantly without logging into a multitude of remote hosts.
- Control Multi-Host Lifecycles: View the real-time state and start/stop local services through secure and cool visualization.
- Standards-based Management: JMX facilities tie into existing enterprise tools and custom extensibility.

▪ Visibility and Control

- Anytime Access: Web-based views into active and past integration, remote system processes, remote logs, and distributed transaction repair facility.
- Graphical Audit Logging: Regardless of distance between systems, centralized log of transaction events is collected and stored for rapidly pinpointing problems or organization compliance.
- Distributed Transaction Repair: - *Fix-It* feature traps erred transactions allowing manual retry from the point of failure (or any step along the integration continuum) or automated scripting for common errors.

Increase Data Value Now

Unlock the Value – It is likely that your business environment has data everywhere from departmental databases to legacy systems. MIM MFT unlocks your corporate information quickly. A point-and-click Web interface allows central configuration of systems interactions, which can be securely initiated anywhere in the organization.

A Secret Sauce for SOA – Batch processes are an often-ignored part of an organization's Service-Oriented Architecture (SOA). Without an alternative, organizations find batch data orphaned from the rest of the solution landscape. MIM MFT service enables such batch processes just as they exist today, regardless of operating platform or data repository, from databases to files or other custom applications. It further extends this data for processing to and from online systems through features like file-to-message and message-to-file capabilities, bridging batch and real-time processes in an end-to-end managed environment.

Lower Operational Costs

Create Seamless Business Operations – With MIM MFT, your data is “just there” as you need it because of the ability to react to changes in data. For instance, the *directory monitor* detects new files created from various applications and automatically moves them to any number of subsequent applications and data stores. Furthermore, the product exposes common exit points to call out endpoints from files to databases or other applications. Additionally, a *distribution list* feature allows single reading of resources and efficiently distributes data among hundreds of computing resources. This product allows your data to be where it needs to be regardless of platform, target application, or integration complexity.

Decrease Costly Recovery Time – It happens. Technologies do fail from problems like a hard drive gone bad to an application error causing failure. How long does it take to recover from such errors? How easy is it to pin point the problem and quickly respond? Are you or your technical resources being woke up at night, to repair problems that others could repair themselves if given the proper tools for recovery? Is this problem's space of recovery time getting harder and more complex in a world of global resources and ever-changing technologies? MIM MFT provides a secure web-based centralized view of all integration activities, including operational nodes and their system processes and a graphical “follow the bouncing ball” record of active business processes. It features a web-based self-serve integration repair facility for common errors, plus tools to pinpoint the exact location and cause of business integration failures. Don't “start all over”. MIM MFT not only helps expose your exact problem, but also provides restart directly from the point of failure itself, reducing your recover times from potentially hours to minutes.

It Does it for You – MIM MFT is intelligent. It responds on your behalf to initiate, send, or receive data transfers, automatically recovering from network and other failures – allowing your critical IT resources to focus on high-value tasks. Do you have a common application error for which a work-around exists, but it is too costly and time consuming to wait for a vendor fix or hire resources? MIM MFT allows scripting of recovery patterns regardless of the platform, even if such recovery involves multiple distributed systems interactions. MIM MFT facilitates “lights out” operations. It buys back critical time and a sense of control so business staff can focus on new projects priorities.

Ensure Visibility, Compliance, Security

Instant Proof: What Happened, When, By Whom – Auditing in today's business environment is more important than ever. MIM MFT 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 for auditability and performance tuning. Ensure corporate

governance through process coordination, enforcing corporate business rules. Finally, all transactions go through a standard and customizable security infrastructure for consistent and compliant secure data exchange using Secure Socket Layer (SSL) and other proven corporate security approaches.

Customization and Extensibility

Align Your File Transfer and Data Integration Processes – MIM MFT processes have strategic exit points that extend processes with custom logic to align your implementation for optimization and customization. The execution of strategic exits are an integrated part of the MIM MFT process, where the build-in web-based audit trail and operations infrastructure allows you to manage and control of diverse data integration needs.

One Family, Reused for Value – As a member of a broader Metastorm Integration Manager family, MIM MFT works together with MIM Integration Server and MIM for CICS to enable integration sophistication previously unknown. MIM compliments a corporate Service Oriented Architecture (SOA) and Enterprise Service Bus (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

▪ Operating Systems

- Windows XP (Professional edition SP2)
- Windows Server 2003 (Standard and Enterprise)
- HP-UX 11i v2 (Itanium)*
- HP-UX 11i v1 and v2 (PA-RISC)
- IBM AIX 5.2 and 5.3
- Sun Solaris 8, 9, and 10 (SPARC)
- Red Hat Enterprise Linux 3, 4, and 5 (x86)
- SUSE Linux Enterprise Server 9 and 10 (x86)
- IBM i5/OS 5.3 and 5.4
- IBM z/OS 1.7, 1.8, and 1.9

▪ Messaging

- WebSphere MQ V6.0*
- WebSphere MQ V7.0 (Q4 2008)

▪ Java

- AIX: IBM Java SDK 1.4.2 (32-bit)
- HP-UX: HP Java SDK 1.4.2 (64-bit)*
- Red Hat Linux: Sun J2SE 1.4.2 (32-bit)
- Solaris: Sun J2SE 1.4.2 (32-bit)
- SUSE Linux: Sun J2SE 1.4.2 (32-bit)

▪ Databases*

- Windows: Microsoft SQL Server 2005
Oracle 10g R1 and 10g R2, IBM DB2 8.2 (equivalent to 8.1 FixPak 7 or higher) and 9.1
- Unix and Linux: IBM DB2 8.2 (equivalent to 8.1 FixPak 7 or higher) and 9.1
- IBM DB2 5.3 on i5/OS 5.3, DB2 5.4 on i5/OS 5.4
- IBM DB2 7.1 and 8.1 on IBM z/OS 1.7 and 1.8; DB2 8.1 and 9.1 on z/OS 1.9

* See Supported Environments Document for additional pre-requisite guidance

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

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