

IBM Maximo Enterprise Adapter

Highlights

- More easily connect IBM Maximo® software with critical enterprise, operation, and IT systems
- Help speed up the deployment of Maximo components through a built-in integration framework
- Generate Web services for any Maximo business component and host these services for external interactions
- Optimize asset and service management processes by leveraging information from multiple systems
- Further automate business processes, improving efficiencies and reducing errors

IBM Maximo Enterprise Adapter is a low-cost, easy-to-use and easy-to-manage enterprise integration solution for deploying Maximo software as one of the key enterprise applications on which an enterprise can run its core asset and service business operations. It provides the connectivity features and support required to integrate Maximo software with multiple business and operational systems internally within the enterprise, as well as externally with those of partners and customers.

The Maximo Enterprise Adapter framework provides enterprise-level application services and business process coordination between Maximo software and other enterprise systems or solutions, allowing users to focus on their operational procedures and giving them the flexibility to decide where to manage their business processes. Maximo Enterprise Adapter provides a robust, scalable and more secure integration infrastructure that enables you to more quickly deploy Maximo software in an enterprise and exchange information with other enterprise systems.

The benefits of shared information

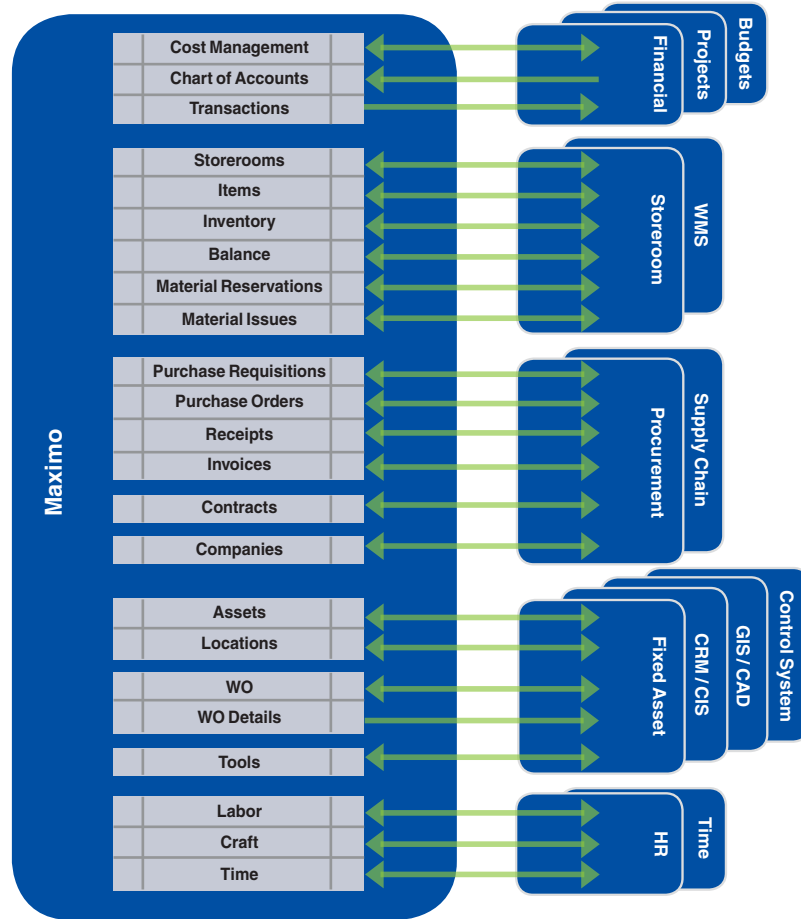
IBM Maximo Enterprise Adapter enables Maximo software to collaborate with critical business and operational systems within an enterprise, allowing you to improve asset and service management processes by providing access to information from multiple systems within the enterprise. Enterprises can leverage this information to:

- More intelligently plan and schedule maintenance and service operations.
- Monitor and act on asset condition and performance data.
- Coordinate business processes such as procurement and inventory management, work and project planning, and time reporting.
- Support planning, budgeting, scheduling and reporting functions in other systems.
- Help improve financial and operating controls.
- Improve inter-department coordination and enterprise planning.
- Facilitate more effective analysis and decision making.

An advanced integration framework

The Maximo Enterprise Adapter framework provides platform-level services definition and provisioning of Web services in a service-oriented architecture (SOA). It is capable of generating Web services for any of the Maximo business components and hosting these Web services for external interactions—for example, an enterprise portal requesting performance metrics for a set of assets. These Web services are Web Services Interoperability Organization (WS-I) Basic Profile-compliant Extensible Markup Language (XML). In addition, Web services are dynamically generated based on your Maximo software configuration. They are not hard-coded or limited to a set of Web services. The adapter's framework also allows you to create the types of integration that your enterprise systems support. For example, some of your systems may only process flat files while others may have their own application programming interfaces (APIs) or database tables for exchanging data. Maximo Enterprise Adapter can connect with different integration mediums such as file systems, databases, message queues and Web services, and exchange data more easily and effectively.

With Maximo Enterprise Adapter, you can benefit from faster implementation of pre-defined integration libraries that support various integration scenarios between Maximo software and



This diagram shows the integration between Maximo software and other enterprise applications supported by IBM Maximo Enterprise Adapter.

enterprise business systems. These libraries contain integration points that define the integration messages and event mechanism for sending and receiving messages. They can be tailored to help meet specific business integration needs as well as extended to help support additional requirements, allowing for a quicker integration foundation with less complex integration procedures. You can quickly and efficiently configure, extend and adapt

these integrations to your business processes. Maximo Enterprise Adapter has a complete integration configuration environment that allows you to extend pre-built integration processes as well as develop new ones. New integration points can be quickly configured for any Maximo business objects, including user defined business objects implemented on the Maximo platform.

The adapter's easy-to-use screens and graphical tools assist you in integration configuration, development, deployment and customization, while built-in auditing, recovery and management facilities help to ensure a more reliable enterprise integration infrastructure. In addition, end-to-end connectors to enterprise systems such as Oracle E-Business Suite and mySAP further simplify and help speed up Maximo software deployment.

Standards-based interoperability

Part of the IBM Tivoli® software portfolio, Maximo Enterprise Adapter provides enterprises with a productized integration solution, requiring a smaller initial investment in terms of cost and implementation time. Built on the latest standards-based integration concepts and frameworks, it helps lower ongoing support and upgrade costs. Maximo Enterprise Adapter provides you with advanced integration functionality, including:

- A real-time engine for real-time inbound Web services queries.
- Java™ Message Service-based message exchange.
- Defining and managing multiple integration triggers, message format and systems.
- Real-time user notifications and alerts on integration issues.
- Rules-based message processing and routing configuration through a rules engine. The rule processor can act on message values, destination and sending system processing rules.
- Running as a native Maximo application server component for tighter alignment with enterprise service bus architecture and better performance.

With Maximo Enterprise Adapter, you can leverage powerful rules-based integration processing to better support the unique needs of individual business processes. Its easily deployable integration connections and Web services allow you to more quickly connect Maximo software with the rest of your enterprise systems and more easily adapt to integration changes due to changing business needs or the addition of new systems. Connecting Maximo software with critical enterprise systems can help you share information across the enterprise, act on information much faster, better coordinate business processes and improve enterprise planning and execution.

For more information

To learn more about IBM Maximo Enterprise Adapter, please contact your IBM representative or IBM Business Partner, or visit ibm.com/tivoli

About Tivoli software from IBM

Tivoli software provides a set of offerings and capabilities in support of IBM Service Management, a scalable, modular approach used to deliver more efficient and effective services to your business. Helping meet the needs of any size business, Tivoli software enables you to deliver service excellence in support of your business objectives through integration and automation of processes, workflows and tasks. The security-rich, open standards-based Tivoli service management platform is complemented by proactive operational management solutions that provide end-to-end visibility and control. It is also backed by world-class IBM Services, IBM Support and an active ecosystem of IBM Business Partners. Tivoli customers and business partners can also leverage each other's best practices by participating in independently run IBM Tivoli User Groups around the world—visit www.tivoli-ug.org



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