Tivoli® software

IBM Maximo Enterprise Adapter for SAP

Highlights

- More easily connect IBM Maximo® software with mySAP

- 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 mySAP system as well as other critical enterprise systems

- Further automate business processes, helping to improve efficiencies and reduce errors

Maximo software is a best-in-class asset and service management solution that works in tight combination with key enterprise systems such as mySAP. With IBM Maximo Enterprise Adapter for SAP, mySAP users who are looking to improve and excel in their asset and service management processes can more quickly and easily connect Maximo software to their mySAP implementation and leverage Maximo software's best-in-class asset and service management capabilities. This add-on to IBM Maximo Enterprise Adapter provides an end-to-end integration solution between Maximo software and mySAP, leveraging approved integration tools and processes on both ends. By providing a robust, scalable and more secure integration infrastructure, Maximo Enterprise Adapter for SAP allows you to more easily deploy the integration within your enterprise and to help protect your investments in Maximo and mySAP systems.
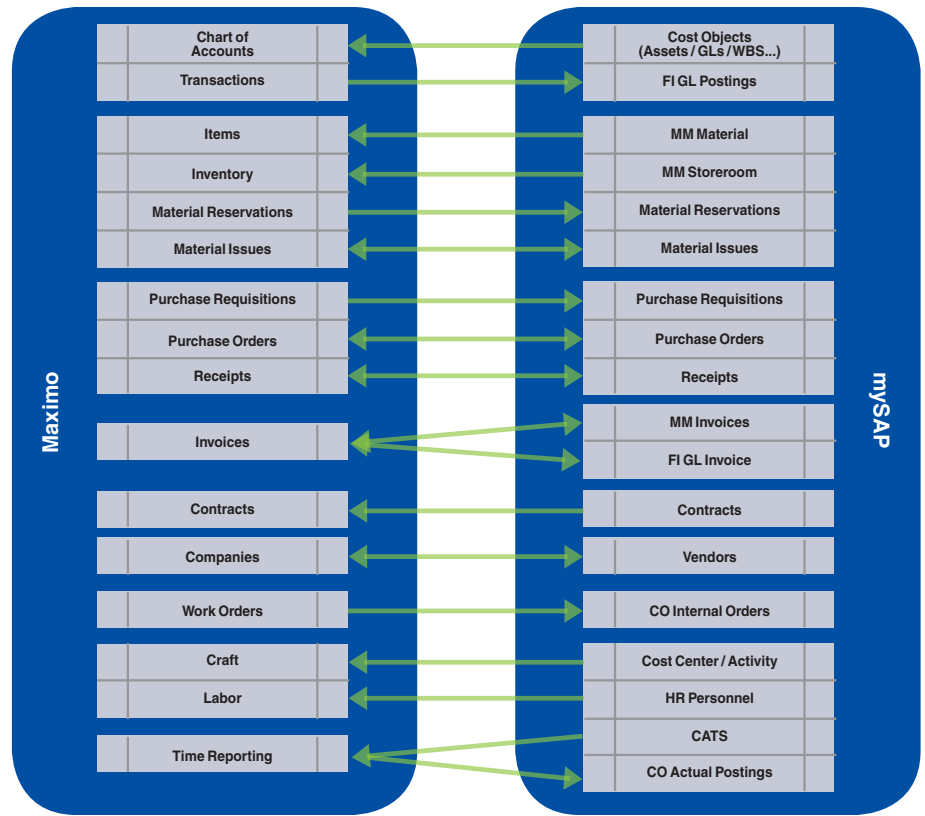
The benefits of shared information
Maximo software complements mySAP with leading asset and service management capabilities. IBM Maximo Enterprise Adapter for SAP can help you to improve asset and service management processes in Maximo software by providing access to information from multiple business and operational systems within the enterprise, including tight collaboration with mySAP. You 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 with mySAP.
- Improve financial and operating controls.
- Improve inter-department coordination and enterprise planning.
- Facilitate more effective analysis and decision making.

Maximo Enterprise Adapter for SAP can help accelerate integration across modules typically implemented between IBM Maximo Asset Management and an enterprise resource planning (ERP) system, including general ledger, accounts payable, inventory, purchasing, human resources and projects. The integration is configurable based on your business processes and adaptable according to your changing business requirements. This integration allows you to focus on your operational procedures and gives you greater flexibility to decide where to manage your business processes.

For example, the integration can be configured to support purchasing functions in either the Maximo application or mySAP without any additional programming. It can accommodate two distinct purchasing organizational structures: one that has a centralized purchasing hierarchy and one where purchasing is more decentralized. Similarly, the integration can be configured to support inventory functions in either application, without loss of functionality in either system and without requiring users to switch back and forth between them. Similar configurable scenarios are implemented throughout the adapter.

Maximo	mySAP
Chart of Accounts	Cost Objects (Assets / GLs / WBS...)
Transactions	FI GL Postings
Items	MM Material
Inventory	MM Storeroom
Material Reservations	Material Reservations
Material Issues	Material Issues
Purchase Requisitions	Purchase Requisitions
Purchase Orders	Purchase Orders
Receipts	Receipts
Invoices	MM Invoices
	FI GL Invoice
Contracts	Contracts
Companies	Vendors
Work Orders	CO Internal Orders
Craft	Cost Center / Activity
Labor	HR Personnel
	CATS
Time Reporting	CO Actual Postings

This diagram shows the pre-built integration points that IBM Maximo Enterprise Adapter for SAP provides between Maximo software and mySAP.

An advanced integration framework
With Maximo Enterprise Adapter for SAP, you can benefit from faster implementation of pre-defined integration libraries that support various integration scenarios between Maximo software and mySAP. These libraries can be tailored to better meet specific business integration needs as well as extended to support additional requirements, allowing for quicker establishment of an integration foundation with less complex integration procedures and less management overhead. You can more quickly and efficiently configure, extend and adapt these integrations to your business processes.

In addition, 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. These Web services can be dynamically generated based on your Maximo software configuration. They are not hard-coded or limited to a set of Web services. You can use these services for portal solutions or extend the integration to other systems in your enterprise. In addition, the adapter's framework allows you to create the types of integration that your enterprise systems support, such as leveraging mySAP's BAPI and IDoc integration services. 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. The adapter can connect with different integration mediums such as file systems, databases, message queues and Web services, and exchange data more easily and effectively.

User-friendly screens and graphical tools assist 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 to integrating with mySAP, the adapter allows you to quickly connect Maximo software with other business and operational systems in your enterprise.

Standards-based interoperability

Part of the IBM Tivoli® software portfolio, Maximo Enterprise Adapter for SAP provides you 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. The 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 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 for SAP, 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 your mySAP system and 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 mySAP can help your organization 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 for SAP, please contact your IBM representative or IBM Business Partner, or visit **ibm.com**/tivoli

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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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