

Asset management solutions
To support your business objectives



Tivoli software

Achieve greater efficiency in asset management by managing all your asset types on a single platform.



When you use Maximo Asset Management to help maximize the performance and lifetime value of complex assets and more closely align them with your overall business strategy, you can help your organization:

- Improve return on assets.
- Decrease costs and risk.
- Increase productivity.
- Improve visibility, control and automation of asset and business service processes.
- Increase asset service delivery responsiveness and revenue.
- Document and manage regulatory compliance efforts.
- Lower the total cost of ownership.

Achieve new levels of asset awareness

Every company knows it is crucial to care for the critical assets the company depends on, whether they include a fleet of trucks or a plant full of production equipment. To meet the specific needs of different asset types, they have traditionally relied on multiple software solutions. However, these solutions provide only a partial view of their total enterprise assets, making it difficult to identify areas for performance improvement. Furthermore, these disparate applications often are not integrated together and do not share information. As a result, they may not have the overall asset visibility they need to achieve the operational excellence they seek.

IBM Maximo® Asset Management takes the power, performance and possibilities of asset management to an entirely new level. Built on a service-oriented architecture (SOA), Maximo Asset Management provides a single software platform that delivers a comprehensive view of all asset types—production, facilities, transportation and IT. This holistic perspective allows you to see your assets across your enterprise, and to help identify the untapped potential within them.

Part of the IBM Tivoli® software portfolio, Maximo Asset Management can help you optimize the performance of your assets and maximize your return on investment.



Turn knowledge into decision-making power and asset performance

Maximo Asset Management is designed to assist you with your asset and work management processes. Six of these key management modules are asset, work, service, contract, inventory, and procurement management. Together, these modules help you capture and analyze your asset and work data and help you optimize maintenance and service initiatives throughout your enterprise.

Asset management

Achieve the control you need in order to more efficiently track and manage asset and location data throughout the asset life cycle.

- Track asset detail — including location, work, cost and other attributes and their histories — over time, to help maximize productivity and extend asset life.
- Establish location and asset hierarchies to roll up costs across systems, subsystems, departments and locations, enabling a better understanding of the true cost of assets (initial cost, financial value, cost to maintain, etc).
- Monitor asset and location conditions to enable proactive — rather than reactive — maintenance that helps reduce unplanned downtime.
- Support both conventional and linear assets.

Work management

Manage both planned and unplanned maintenance activities, from initial work request and work order generation through completion and recording of actuals. Work planners can match job tasks to available resources, estimate and obtain approval of costs, establish priorities, and initiate maintenance activities across the enterprise.

- Tracking tools enable more detailed analysis of resources, inventory and equipment use and costs, helping decrease labor and materials costs.
- Multiple assets, locations and configuration items can be added per work order or ticket. Work management also supports work order tracking, task sequencing, task level documents and generating work orders from asset information.
- A graphical assignment manager helps optimize maintenance schedules and labor use by assigning the right person with the right skills to the right job.
- Preventive maintenance (PM) and job plan functionality allows you to put PM schedules in place with the right job steps and resource requirements, facilitating the planning as well as the work, to help reduce unplanned downtime and reactive maintenance.
- Automated workflow processes and enhanced status control further streamline business processes.





Service management

Allow end users to submit new service requests, as well as to track and update open service requests. Apply additional service management best practices through IBM Tivoli Service Desk and further align asset management priorities with overall business objectives. By infusing comprehensive service level management into your asset management practice, you can:

- Define service offerings to help improve organizational communication and verify that the services provided are those required to support the business.
- Establish service level agreements (SLAs) to help increase communication between your organization and the business units, and help align service levels with business objectives.
- More proactively monitor service level delivery against metrics to help avoid missing service level commitments.
- Implement escalation procedures to better manage the resources that support service level commitments.

Contract management

Have enhanced control over your vendor contracts with this integrated contract management system. Provide comprehensive contract management

support for purchase, lease, rental, warranty, labor rate, software, master, blanket and user-defined contracts.

- Contract correlation links SLAs to vendor contracts, helping you identify unreliable vendors as well as low-quality products. It also enables you to reference SLA performance metrics when renegotiating vendor terms.
- A terms and conditions library allows you to more consistently apply standardized policies across the organization.
- Automatic notifications and alerts help you meet vendor terms, avoid penalties and get more value out of every contract.

Inventory management

Know the details—what, when, where, how many, how valuable—about asset-related inventory and its usage. Inventory management functionality records material movements and adjustments, allowing for real-time inventory tracking, reporting and auditing. This module also allows embedded images of an asset to be displayed in the catalog search.

- Track inventory transactions to help streamline parts and materials management.
- Help decrease costs by eliminating excess or obsolete inventory.
- Help optimize and plan inventory to more accurately meet maintenance demand, making the right parts available at the right location when needed. As a result, you can help reduce stock-outs, inventory shrinkage and carrying costs, as well as help foster economies of scale through shared resources.

Procurement management

Support the phases of enterprise-wide procurement, including direct purchasing and inventory replenishment. You can provide buyers with more extensive requisition, quotation, vendor, purchase order and contract capabilities, thereby allowing them to plan work more proactively. Maximo Asset Management easily integrates with enterprise business systems from vendors such as Oracle and SAP, and also connects to online marketplaces, supplier systems and exchanges.

- Vendor management and vendor performance analysis tools can help reduce costly off-contract buying, and help verify the reliability of vendors and the quality of inventory and services.
- Automated interval-based, meter-based or event-driven purchasing capabilities help you order the right parts and services at the right time, which can improve purchasing efficiency.
- Global purchasing support can enable group purchasing savings and efficiencies, and can help lower sourcing costs.
- Analysis tools and key performance indicators (KPIs) measure procurement performance such as order processing times, invoice accuracy and order delivery times.



Designed to help meet your unique needs

These six management modules are packaged in an enhanced service-oriented architecture that helps simplify the creation of Web services and supports additional Web service standards such as WS-Security.

Built on a Java™ Platform, Enterprise Edition (Java EE) component-based Internet architecture, Maximo Asset Management fits in most modern enterprise technology infrastructures and integrates easily with your business systems. With a significant focus on configuration tooling, such as Application Designer for modifying the user interface and Database Configuration for adding new tables, columns, etc., Maximo Asset Management makes it easier to tailor the software to your needs through products and process configurations instead of tedious programming and customization.

To facilitate migration tasks, Maximo Migration Manager helps you transfer product configurations and customizations across pre-production, test and production environments. It provides support for standard roll-out environments and enables a repeatable roll-out process.

Furthermore, your configurations are upgraded with the Upgrade Utility, thus keeping you from being locked in from one application release to another.

Extending your investment

The following additional options extend the capabilities of Maximo Asset Management and can help you further reduce costs and foster operating efficiencies.

IBM Maximo Change and Corrective Action Manager

Enables fully integrated, comprehensive change and release management for your assets, and provides new capabilities for taking corrective action. Policy administration, process management and planning capabilities can help increase the speed, efficiency and consistency of change implementations while helping minimize business risk. Advanced release management capabilities enable you to define the tasks, schedules and resources required to release authorized versions and asset configurations into the production environment.

IBM Maximo SLA Manager

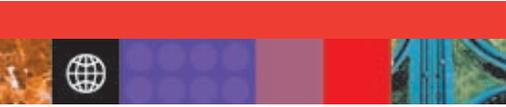
IBM Maximo SLA Manager allows you to define service offerings, establish service level agreements, implement escalation procedures to ensure service levels are met, and provide metrics to monitor service level delivery.

Maximo mobile solutions

Remotely access Maximo Asset Management data while offline or online. With mobile Maximo applications, mobile workers can complete more work, minimize nonproductive activities and reduce paperwork and data entry. In addition, having immediate data access onsite can lead to higher first-time fix rates. Mobile applications support remote-work and inventory management needs.

IBM Maximo Asset Navigator

This Web-based graphical option provides instant access to detailed parts and equipment illustrations, diagrams, drawings and related documentation. A highly navigable association among locations, assets and parts easily guides you to the asset information you need, helping you more quickly identify and select the correct parts for your work and procurement processes. Maximo Asset Navigator can help you improve overall performance and accuracy and better manage your safety program.



Maximo project adapters

Implement bidirectional connectivity between Maximo Asset Management and Microsoft® Project or Primavera. Deliver comprehensive access to work and resource data from Maximo Asset Management for anyone who uses Microsoft Project or Primavera for scheduling and planning. View, plan and optimize Maximo Asset Management work and resources together with Microsoft Project and Primavera schedules, allowing you to manage complex, enterprise-wide projects. These adapters automatically update work, resources and schedules in Maximo Asset Management.

IBM Maximo Calibration

More effectively manage the calibration of your test and measurement tools, assets and instrumentation. This product delivers comprehensive policy documentation, data validation, traceability and reverse traceability for calibrated assets, as well as the standards that are used to calibrate them.

IBM Maximo Asset Configuration Manager

This advanced solution supports complex asset management in highly regulated environments such as aviation, defense, nuclear and rail industries. Its active configuration repository tracks and maintains current and historical configurations of assets and their components. You can manage and maintain more accurate asset configuration states, component life accounting and equipment operational status.

IBM Maximo Linear Asset Manager

IBM Maximo Linear Asset Manager enables you to track, manage and optimize performance levels of linear assets such as roads, railways and pipelines. It allows you to virtually segment linear assets as well as to view and modify attributes, features and user-defined relationships, without impacting the underlying geometry—otherwise known as dynamic segmentation—and without losing critical work history. It supports multiple linear referencing methods, allowing you to locate work using exact measures, or offsets based on one or more features or relationships.

IBM Maximo Spatial Asset Management

IBM Maximo Spatial Asset Management enables you to capture, analyze, and display assets, locations, and work orders on a geospatial map and visualize the spatial relationships among managed assets and other mapped features. You will be able to view, query, navigate and report on Maximo data through its geospatial information.

Maximo enterprise adapters

Integrate Maximo Asset Management with Oracle, SAP and other enterprise systems for a more holistic view of your asset information. Maximo enterprise adapters help simplify and speed deployment and support of ongoing, real-time data exchange between systems. A library of predefined integrations supports the integration scenarios typically found between Maximo Asset Management and enterprise business systems, while platform-level services definition and provisioning using Web services can help you achieve true SOA-based enterprise collaboration.

IBM Maximo e-Commerce Adapter

Facilitate e-commerce between Maximo Asset Management and supplier systems and electronic marketplaces. A comprehensive e-commerce infrastructure allows buyers to browse multiple supplier catalogs, place orders on multiple marketplaces or directly with suppliers, check order status, and process supplier invoices electronically. Real-time product information, availability and pricing can help improve accuracy and planning.

IBM Maximo Online Commerce System

This Internet-based supply chain management solution lets you collaborate with suppliers, partners and other electronic marketplaces. Powerful catalog search capabilities and real-time electronic updates with suppliers can help streamline and optimize the parts and services procurement process. Comprehensive supplier enablement capabilities allow your suppliers to more easily participate in your electronic supply chain network.

For more information

IBM understands your need for an asset and service management solution that can evolve with your business. To learn more about how IBM Maximo Asset Management can help you deliver the control you need to see your assets more clearly and address your toughest asset management challenges, contact your IBM representative or IBM Business Partner, or visit ibm.com/tivoli/maximo



About Tivoli software from IBM

Tivoli software offers a service management platform for organizations to deliver quality service by providing visibility, control and automation—visibility to see and understand the workings of their business; control to effectively manage their business, minimize risk, and protect their brand; and automation to optimize their business, reduce the cost of operations and deliver new services more rapidly. Unlike IT-centric service management, Tivoli software delivers a common foundation for managing, integrating and aligning both business and technology requirements. Tivoli software is designed to quickly address an organization's most pressing service management needs and help proactively respond to changing business demands. The Tivoli portfolio is backed by world-class IBM Services, IBM Support and an active ecosystem of IBM Business Partners. Tivoli clients 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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