



Asset management with IBM Maximo Application Suite on AWS

Challenges

Digital reinvention is disrupting the operating model

For asset-intensive industries, digital reinvention means your underlying technology and process must change to deliver on your transformational strategy.

The challenge? Aging physical infrastructures, disparate systems across operational and IT environments, a workforce in flux, and new sustainability requirements.

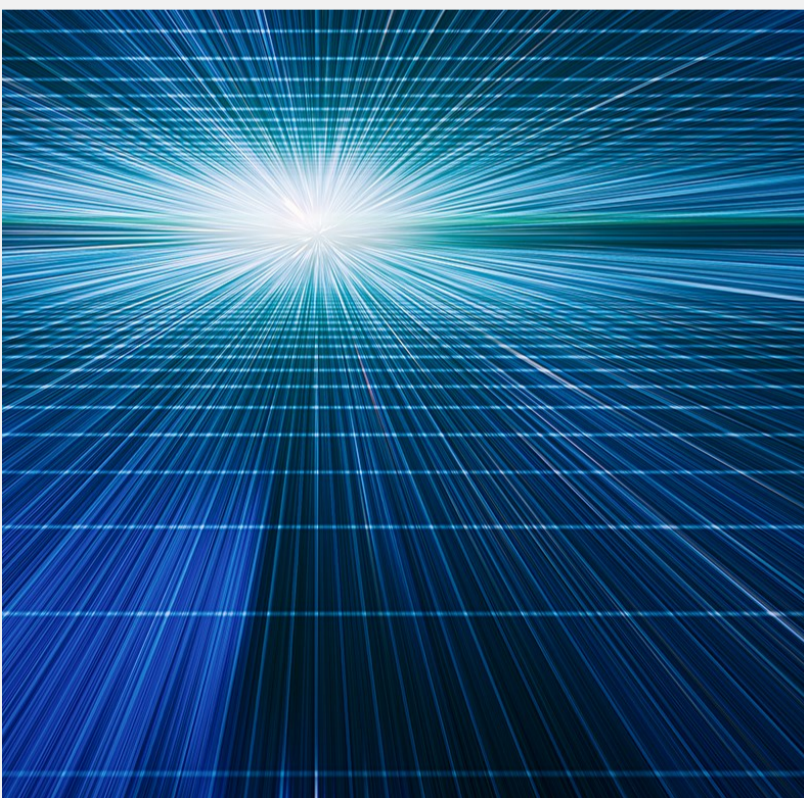
As companies continue to drive greater value from cloud, it's critical that they consolidate asset management data and systems, increase operational visibility, and mitigate risk throughout the asset lifecycle. Which leads to the conundrum: balancing costs with risk and performance.

The IBM Maximo Application Suite Solution

Industry-leading asset management from IBM at scale with AWS

IBM Maximo® Application Suite as a Service (MAS SaaS) is a market-leading asset management solution that uses AI, IoT, automation and analytics to optimize equipment and team performance, extend asset lifecycles and reduce operational downtime and costs - all while building sustainability into your business.

Built on 30 years of industry best-practices, IBM Maximo can help you drive operational collaboration with asset maintenance, remote monitoring, predictive maintenance, visual inspection, and reliability in a single platform, backed by the scale, agility, and cost-efficiency of AWS cloud.



Benefits

MAS SaaS is a CMMS, EAM and APM unified solution that includes all infrastructure needed for a secure and scalable platform.

» Streamlined and enhanced asset management

Unify distributed maintenance, inspection, and reliability systems by utilizing a single platform to manage, monitor and maintain all asset classes

» Evolve operational technology

Leverage out-of-the-box AI, industry models, integrations, and analytics to develop competitive differentiation within your industry and extend asset lifecycles

» Explore automation and predictive approaches

Evolve your maintenance strategy towards predictive methods, while using intelligent automation to enhance the productivity of your resources

IBM Maximo Application Suite on AWS

Gain the deployment and cost advantages from fast, turn-key delivery and integration of IBM software—an industry leader—empowering automation, data and AI, security and sustainability on AWS Cloud.

MAS SaaS on AWS infrastructure leverages Red Hat OpenShift on AWS (ROSA) and includes all infrastructure needed for a secure and scalable platform.

The extensibility of the solution enables you to easily add additional IBM Maximo Application Suite applications, such as Monitor, Predict and Health, Assist, Visual Inspection, and Environment (HSE) Manager to expand beyond asset management, creating a unified and more predictable working environment.



Case Study: Toyota's Indiana Assembly

»» Challenges

At Toyota's Indiana Assembly, a new car rolls off the assembly line every minute. Each process in the vehicle's assembly must be flawless and it's become business critical to have zero downtime and defects.

»» Solution

MAS is a single software solution that allows skilled team members from Toyota to see the health of factory equipment and its components, monitor for abnormal activities and make faster, data-driven decisions—evolving maintenance work from reactive to truly proactive.

»» Results

By leveraging shop floor data powered by AI and IoT, Toyota has reduced downtime by 50%, breakdowns by 70%, and overall maintenance cost by 25%. In addition, the workers have now an 18-day advanced planning window to prevent predicted failures.

[See Toyota and Maximo story](#)



Features

Mobility and asset management

Manage and maintain valuable assets by using analytics, standardized job plans, and preventative maintenance to extend asset lifecycles, reduce operational downtime, and lower costs.

Support mobile workforces in the field and improve accuracy with real-time data, optimized scheduling, and an AI assistant.

Worker safety and ISO 55000

Identify and mitigate hazards in the workplace and the field by applying advanced analytics to HSE data and real-time information from wearables and environmental sensors.

Transition from an asset-centric to outcomes-oriented process by leveraging the whole lifecycle approach from the ISO 55000 asset management standards.

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