IBM Update - Maximo Application Suite



Please note

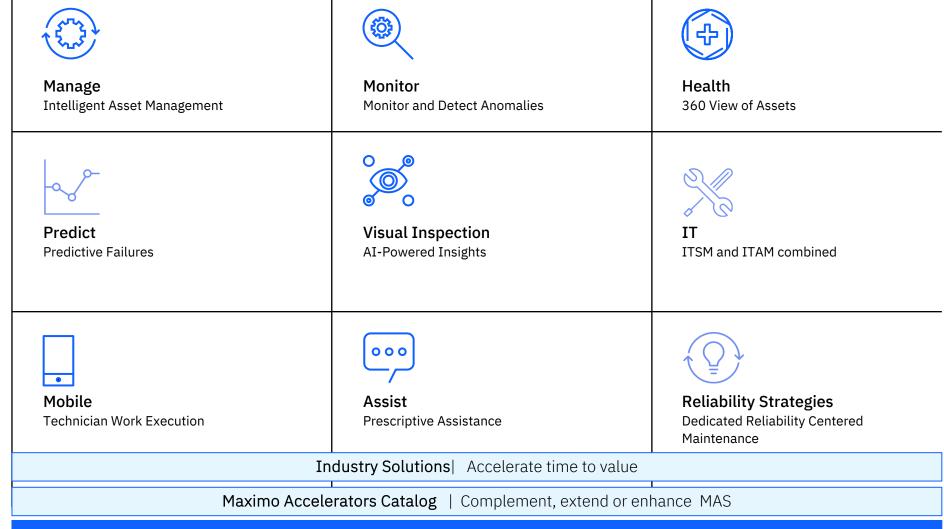
- The information mentioned regarding potential future products is not a commitment, promise, or legal obligation to deliver any material, code or functionality. Information about potential future products may not be incorporated into any contract.
- The development, release, and timing of any future features or functionality described for our products remains at our sole discretion.

- IBM's statements regarding its plans, directions, and intent are subject to change or withdrawal without notice at IBM's sole discretion.
- Information regarding potential future products is intended to outline our general product direction and it should not be relied on in making a purchasing decision.

Maximo Application Suite

Best-of-class capabilities to provide complete view of your assets addressing the needs of key personas in your organization.

- Technicians
- Technician Supervisor
- Asset Maintenance Manager
- Plant Manager
- Fleet Manager
- Operations Manager
- Reliability Engineer
- Quality Manager
- Planners / Schedulers
- Dispatchers
- Purchasing Managers



IBM Cloud Pak for Data | Watson Studio | Watson ML | Watson Discovery | Watson Assistant | App Connect | Cognos Analytics



Systems

MAS Deployment Options

Deployment	Procure	Provision & Operate	Client Benefits
On Premise Customer Managed	Client purchases MAS from IBM Client provides infrastructure	Client provisions, manages, and operates full stack	Maximum operational flexibility
Hyperscalers Customer Managed	BYOL Client purchases software from IBM and infrastructure from Hyperscalers Paid (Marketplace listing) Client purchases software and infrastructure from Hyperscalers	Client runs IBM-provided automation scripts to deploy MAS on Hyperscalers' cloud Client manages and operates both software and infrastructure	 Simplifies procurement and deployment Allows client to select their Hyperscalers Flexibility for clients to manage and operate their environment
SaaS IBM Managed	Client purchase single part (includes software, infrastructure, and operations) from either IBM or AWS Marketplace (Subscription only License)	IBM provisions, manages, and operates Client's MAS environment on AWS Cloud using IBM's AWS cloud account	 Reduced time-to-value Reduced operational costs Allows clients to focus on business priorities
tBM Sustainability Software / © 2023	 Essentials Maintenance or Inspection package Starting at less than \$40K per year Fixed configurations at a fixed price Minimum operational flexibility Suitable for small on-premises EAM clients 	Standard • Starting at less than \$75K per year • Select additional purchase options available • Limited operational flexibility • Best option for most SaaS Flex clients	 Premium Starting at less than \$150K per year1 Wide selection of advanced purchase options Broad operational flexibility options Tailored configurations for complex deployments

MAS SaaS Editions

Essentials

Standard

Premium

Maximo Maintenance Essentials Manage + Mobile + Health + Reliability Strategies

- 1 environment
- 50 AppPoints for users
- Up to 100 work orders / hour
- Up to 1,000 health scores / hour
- Scheduler included

Add'l purchase options

- Max of 1 add'l environment
- Up to 50 add'l AppPoints for users

Maximo Inspection Essentials **Visual Inspection**

- Capacity to train 1 model at a time
- Up to 2 deployed models
- Up to 5 client devices
- Up to 10K inferences / hour
- Up to 500 GB storage

Add'l purchase options

None

Full MAS Suite with Standard Operational Practices (Today's MAS SaaS Offering)

- Select from any MAS application or combination of applications
- Purchase multiple non-production environments; R/W access to non-prod environments is included by request
- Purchase any capacity of functionality (e.g., Users, Scores/Inferences, I/O Points, etc.)
- Select from preferred AWS regions (US, Canada, Germany or Australia)
- Most Manage Industry Solutions & Add-ons are available; some require additional AppPoints

Add'l purchase options

- Non-production environments
- Optimizer Limited
- Read-only production DB replica
- Allow Listing¹

Full MAS Suite with Custom Operational Options

- Flexible scheduling of upgrades (within limits, excluding updates & security items)
- Support for multiple VPNs
- Deployment validations for regulated industries
- · Assigned communication coordinator
- Back up retention of up to 1 year

Add'l purchase options

Multi-Workspaces¹

¹ Future availability

- Extended upgrade schedules
- Extended data retention periods1
- · Choice of any AWS data center
- Oracle¹ or SQL Server database
- that offers necessary services1

• Enhanced Disaster Recovery

Direct (Private) Connect¹

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What we are investing in: Integrate and Expand MAS

Notable callout

Unify MAS through utilization of the right function at the right time via cross-product user experiences

Inspections

Reduce the cost of your inspections up to 75%, while increasing frequency by 50%

Improve scalability and stability of MVI while easing the training of base models.

Support deployments through introduction of **MVI In A Box** *packaged hardware and software solution*

Improve stability of Maximo Mobile Inspections and address customer Ideas

Maintenance

Achieve first-time fix rates >90%, improve productivity 44%* and reduce truck rolls 25%

Maximo EAM → Maximo Manage

Improve stability and provide Maximo Mobile support for remaining Inventory and Calibration(v9) capabilities.

Extend MAS Dashboards through usage of asset health and risk, investment scenarios, schedule awareness, operational data flow.

Extend field service management through a modernized and optimization driven dispatching solution.

Expand usage of location data for work planning and execution.

Reliability

Extend asset life 20%+, reduce downtime up to 43%*, and reduce cost 20%

Single focused Maximo Health product.

Extend utilization of operational conditions to Operations Managers and Asset Managers via refactoring and modularizing the Operator user experience.

Expand reliability engineer effectiveness through introduction of **Mean Time Between Failure** (MTBF) modeling, and comparison of active and future asset investment trends

Increase the operational data available to reliability engineers via Omnio connectors

Leverage AI to support decision making

Accelerators and Integrations: 20% increase in customer lifetime value by meeting a diverse set of customer needs through ecosystem offerings

Bring an Accelerator Catalog as a marketplace for offerings and content that accelerates TTV for MAS, Seed catalog Accelerator content from IBM within the catalog: Extend Maximo Civil Infrastructure, Introduce Maximo IT within MAS

Delivery, Install, Upgrade, Manage: Provide MAS via the environment of choice and optimize the migration plus management for that environment.

Improved development and delivery of MAS through integrated CI/CD pipeline for continuous build, test, integration and deployment, Improve product upgrades in support of continuous delivery to our customers, Improve install and management via Operator and SRE Maturity, Federal Readiness.

Embedding AI Intelligence into Maximo processes



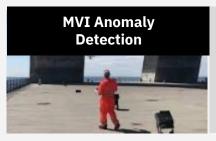
- Often the quality of the failure data available for reliability analysis is inadequate. Understanding how assets fail is crucial for effective preventative maintenance.
- Maximo is building an AI model to classify asset failure modes derived from work order data.



- Enabling the automatic processing of work order through business flows based on recognizable patterns can save valuable time over manual review.
- Maximo is building both ML and generative foundation models to provide automated recommendations to assist users in managing work order process flow.



- Maximo Application Suite is a complex product that needs integration with other client systems
- We are training an LLM model to help answer questions that arise in its implementation that can guide clients and answer questions about costs, effort and risks.



- Maximo Visual Inspection is currently based primarily on open-sourced convolutional neural network models. These models can lack accuracy for "Few-Shot" anomaly detection.
- We are building a transformer-based foundation model that will fill these gaps



- Maximo Visual Inspection uses the classic ML pattern of labeling data, training the model and deploying the model to provide capabilities.
- We are using foundation models and prompttuning to dramatically reduce the effort required to effectively train the model



- Technicians have a difficult task diagnosing and fixing issues across a wide array of equipment.
- IBM is using an AI assistant trained on service manuals and previous work orders to help technicians easily access the latest asset service info and generate repair workflows.



- There is a wide variety of sensors and asset behaviors that must be analyzed to understand an asset's health
- We are using Gen AI to create sensor-level models from a single foundation model trained on a small sample of sensor data. This allows us to capture the complexity with much less effort.

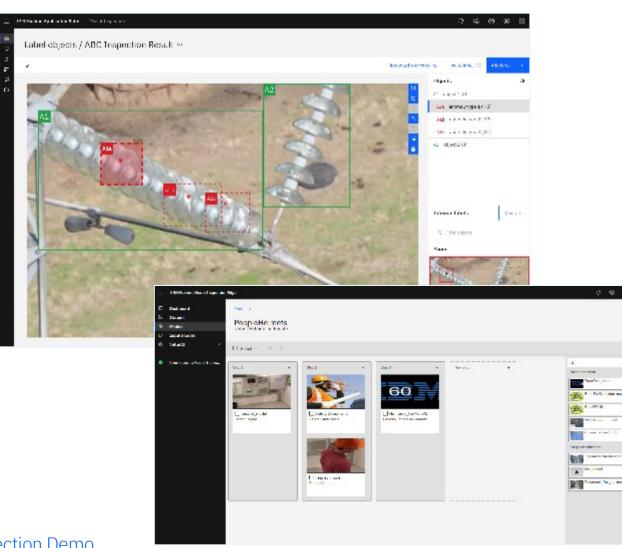
MVI: Use visual inspection to identify anomalies

Automatically <u>detect anomalies</u>

- Create an anomaly model using only normal images of the object for inspection
- Automatically identify when <u>unusual</u> or <u>unidentified elements</u> appear on an object in an image

Run models at the <u>edge</u>

- Configure rules to <u>automate actions</u> and run anomaly models on MVI Edge
- Composite models and pipeline workflows at the Edge
- Purpose-built models

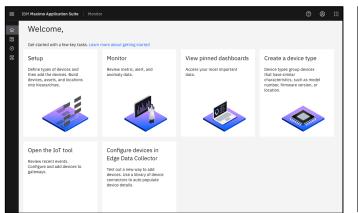


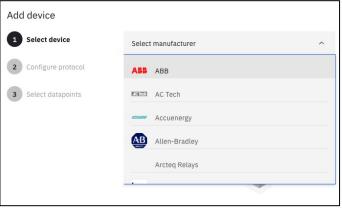
APM - Maximo Monitor

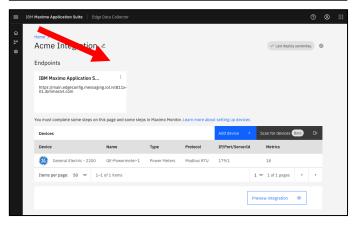
Integrating Omnio Software

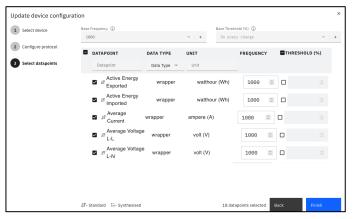
MVP (Phase 1) integration of the capabilities provided by the acquisition of the **Omnio Edge software**.

- Users can quickly select and configure integrations with a wide range of industrial data sources, including OT devices, Programmable Logic Controllers (PLCs) and Open Platform Communications (OPC) servers.
- Provides a comprehensive UI to configure integrations launched from within Monitor.
- Connector pre-configurations are searchable by manufacturer, product type, and product name.
- Device datapoints are configurable by the user, which automatically transforms the device data into a standardized data model, providing an efficient method to unify data in MAS.
- Integration is facilitated via Docker using the "Edge Data Collector" software deployed to a IoT Gateway and updated remotely using terminal commands provided in the UI.











































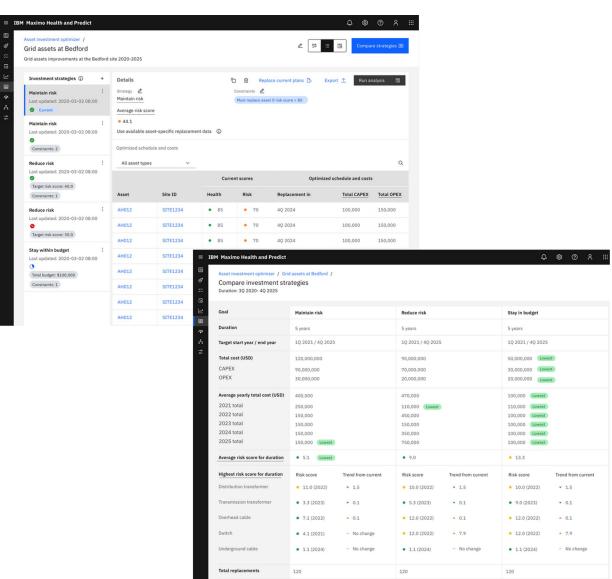






Build an investment project to reduce risk or stay in budget

- Build projects, add assets to those projects, and run replacement scenarios to determine which assets should be replaced and when
- Use replacement information from templates built for common asset types OR from individual asset replacement plans
- <u>Compare</u> current plans and optimized strategy
- Submit plans for approval or for additional finance analysis in a full AIP solution



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Adding Cognos to the Maximo Application Suite



Provide analytic information to meet strategic and operational needs of our customers



Deliver critical metric to drill down into actionable items

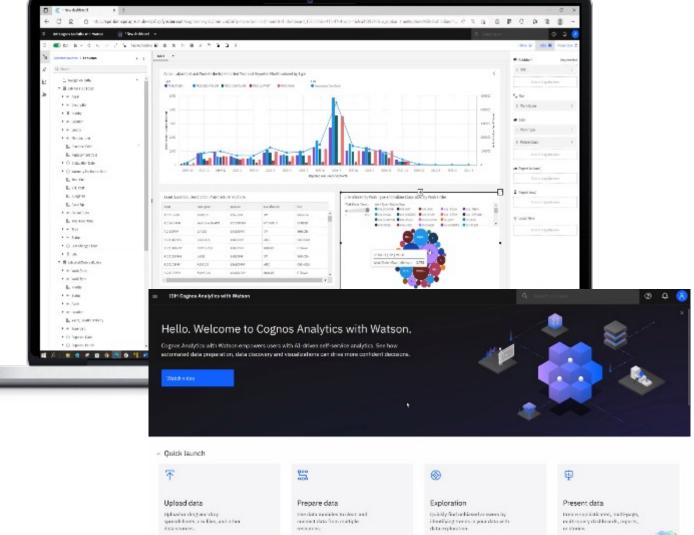


Display information quickly and in real-time





Make content customizable



MAS 8.11 Supports Cognos 11.2.4 & BIRT 4.8 MAS next planning for Cognos 12 & BIRT 4.14

Accelerating deployment through automated testing

IBM Maximo Test Automation Framework for Maximo Manage

- Assist customers to adopt a risk-based assurance approach to testing Maximo software releases.
- This documentation is required for our regulatory customers to document what IBM tested for ootb functionality.
- The Test Automation scripts consists of a collection of Manage base test scripts that run on Selenium for testing Manage.
 - Maximo Mobile scripts will be pdfs at this time
- Will be updated for every Long-term Supported solutions
 - Delivered on the Early Programs site.
 - Offering is not supported
 - Documentation provided on set up and use of the test scripts
- If customers configure Maximo, added workflows or escalations they will extend the Automation Test Scripts to include these changes to assure that the environment meets their business requirements.



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Maximo Application Suite

Critical Features

Inspections

Reduce the cost of your inspections up to 75%, while increasing frequency by 50%

Address scale and efficiency of MVI deployments through introduction of MVI In A Box packaged hardware and software solution

Expand the **integration with Envizi** beyond tracking and into the execution of campaigns to improve sustainability

Bring **visual inspections to the asset**, which will significantly expand the number of asset types that require models

Introduce an **Incidents mobile application** to capture health and safety incidents that require remediation and compliance reporting

Burgundy = 8.11 target Black = 9.x target

Maintenance

Achieve first-time fix rates >90%, improve productivity 44%* and reduce truck rolls 25%

Address **technician mobile application needs** through completion of Inventory and Calibration capabilities. Increase usage of location via strategic partnership.

Extend **Maintenance Manager** through usage of asset risk, investment scenarios, and schedule awareness

Extend field service management through a **modernized** and optimization driven dispatching solution

Bring Business Intelligence and improved reporting to the Suite via introduction of COGNOS to managers and engineers

Introduce **Asset Manager** dashboard utilizing asset history, asset risk, and current operational state

Refine and bring to market a **process mining** solution to help identify inefficiency and recommend improvements.

Notable callout

Unify MAS through utilization of the right function at the right time via cross-product user experiences

Reliability

Extend asset life 20%+, reduce downtime up to 43%*, and reduce cost 20%

Single focused Maximo Health product.

Extend **utilization of operational conditions** to Operations Managers and Asset Managers via refactoring and modularizing the Operator user experience.

Expand reliability engineer effectiveness through introduction of Mean Time Between Failure (MTBF) modeling, and comparison of active and future asset investment trends Analyze previously ingested operational data streams for predictive analytics..

Address engineer needs for anomaly conditions and failure predictions on a more than daily basis

Increase the operational data available to reliability engineers via Omnio connectors

Improve the consistency and effectiveness of **model lifecycle management** to ensure usage of continually improving models for condition and predictive maintenance.

Accelerators, CD, Install/Upgrade/Manage

Accelerators, Integrations, Industry

20% increase in customer lifetime value by meeting a diverse set of customer needs through ecosystem offerings

Bring an **Accelerator Catalog** as a marketplace for offerings and content that accelerates TTV for MAS. Pipeline of ~50 partners to deliver offerings.

Seed catalog **Accelerator** content from IBM within the catalog: HPU, Expert Labs, SAGA, and IBM Research

Extend Maximo Civil Infrastructure

Introduce Maximo IT within MAS

Develop mobile **calibration** application for regulated industries

Connectors

Burgundy = 8.11 target Black = 9.x target

Continuous Deployment

Improved development and delivery of MAS through **integrated CI/CD pipeline** for continuous build, test, integration and deployment.

Improve product upgrades in support of continuous delivery to our customer.

Progress our **MAS Operator Maturity** to bring the following to our products:

- Provides non-disruptive infrastructure and dependent service through common service forward compatibility
- Support application viable upgrade path through n-1 backward compatibility for application dependency
- Seamless operator upgrade

Improve the ability to manage MAS via consistent improvement of **SRE maturity**:

- Monitoring and alerting
- Effective customer communication
- Process automation

Install, Upgrade, Manage

Process and certification work to address
FISMA and FEDRAMP needs for Federal and
regulated industry customers

Expand **Single Node Openshift** patterns to include options for MAS products beyond Manage

Extend hyperscaler support through introduction of MAS (BYOL) on GCP

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Maximo EAM Lifecycle Updates

	DESCRIPTION	DATE
Announce End of Market (EOM & EOS)	Announcement Letter published IBM Announcement Letter #922-024	April 12, 2022
End of Marketing (EOM)	Parts are no longer available for purchase	April 19, 2024
End of Support (EOS)	Update Support Plans and Lifecycle page	Sept 30, 2025

DESCRIPTION



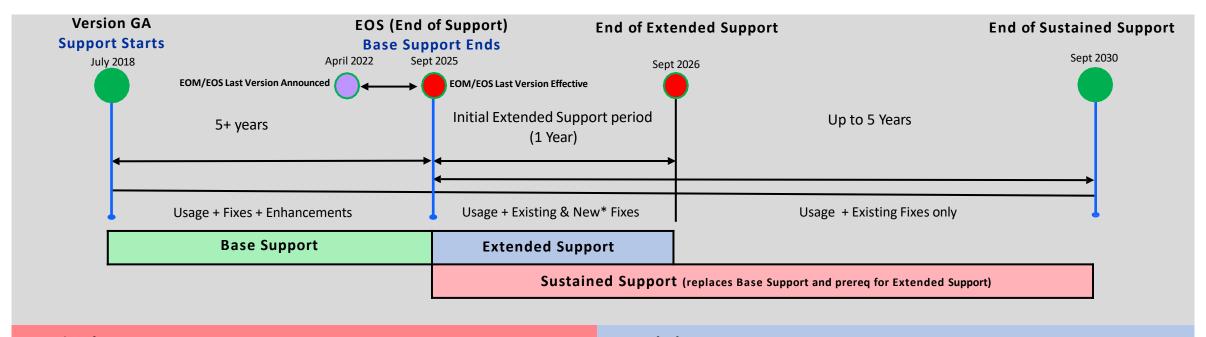
IBM Extended Support: Enables clients continued access to IBM Support for "how to" questions, usage issues, known defects published in IBM Fix Central, and new critical sev1 defects (no security fixes) after IBM standard support ends for 7.6.1.3.

IBM Sustained Support: Enables clients to continue to get support for "how to" questions, usage issues, and known defects published in IBM Fix Central after IBM standard/extended support ends for 7.6.1.3.

IBM Sustained Support does not include support for new defects or new security fixes.

DATE

Customers on Maximo EAM 7.6.1.3 Parts and Licensing Agreement



Sustained Support: Replaces Base S&S Support

- Available up to 5 years after EOS date ends Sept 30, 2030.
- Available for the last supported version and fix pack.
 - EAM 7613 and latest IS/Add-on releases/fix pack
- Support access for usage and existing fixes only, no security fixes.
- New PassPort Advantage part purchase required

Extended Support: available for first year after EOS date

- Extended Support is be sold with Sustained Support.
- Available for 1 year after EOS date ends Sept 30, 2026.
- Available for the last supported version and fix pack.
 - EAM 7613 and latest IS/Add-on releases/fix pack
- Support access for usage, existing and new critical Sev1 bug fixes, no proactive security fixes.
- New PassPort Advantage part purchase required

Customers on EAM 7.6.1.3 Parts and Licensing - Comparison Chart

	NEW Extended Support (1 year - up to Sept 30, 2026)	NEW Sustained Support (5 years up to Sept 30, 2030)
What's Provided:		
Best Effort Support	√	√
Support for routine Usage and How-to questions	✓	√
Basic Troubleshooting	✓	√
Access to documentation, technotes & other online product material	✓	✓
Standard SLO's apply (i.e., 24/7 severity 1)	✓	✓
Unlimited number of technical support incidents	✓	✓
IBM will also provide existing code patches and fixes	✓	V
English only support	✓	✓
Critical Sev 1 defect fixes in first year	✓	X
	IBM will provide new patches or fixes (only inflight items & sev1)	IBM will not develop or provide new patches or fixes

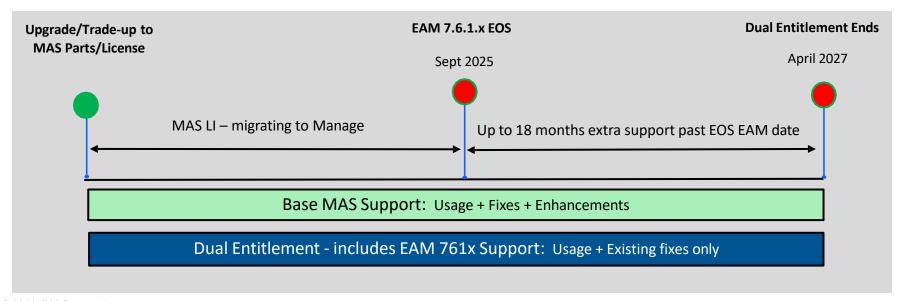
CRITICAL Considerations

- No new proactive security fixes will be provided
- No new features or enhancements
- No new development analysis of new defects
- No support for Supporting Programs and 3rd part components

Customers on Maximo Application Suite License Agreement

Maximo EAM 7.6.1.3 Dual Entitlement in MAS

- For customers that have moved to MAS parts and LI commercially and are in the process of migrating to Manage.
- Dual Entitlement for both EAM 7.6.1.3 and MAS 8.x up to 18 months past EAM EOS date.
 - NOTE: Customers must move to Manage by April 2027 date if support for both platforms is required.
- EAM 7.6.1.3 Support access is for usage and existing fixes only
 - Available for the last supported version and fix pack
- No new MAS or EAM part purchase is required IBM is offering this service for our customers to help them during this migration process as part of the S&S of the MAS purchased parts.



Dual Entitlement in MAS

EAM 761x Support	Dual Entitlement Support under MAS LI (up to April 2027)				
Best Effort Support	V				
Support for routine Usage and How-to questions	√				
Basic Troubleshooting	√				
Access to documentation, technotes & other online product material	√				
Standard SLO's apply (i.e., 24/7 severity 1)	✓				
Unlimited number of technical support incidents	√				
IBM will also provide existing code patches and fixes	√				
English only support	√				
Critical Sev 1 defect fixes in first year	X				
CRITICAL Considerations:					
IBM will not develop or provide new patches or fixes					
No new proactive security fixes will be provided					
No new features or enhancements					
No new development analysis of new defects					
No support for Supporting Programs and 3 rd part components					



EAM Technical Assessment: Overview IBM Expert Labs

Technical Assessment for Maximo upgrade and migration to MAS

Key Activities:

- Focus on application layout and technical configurations using the IBM Maximo Sizing questionnaire as a starting point
- Identify areas of impact for upgrade and migration to MAS
- Assess data structure
- Identify customizations and assess the gap from leveraging the out of the box adapters

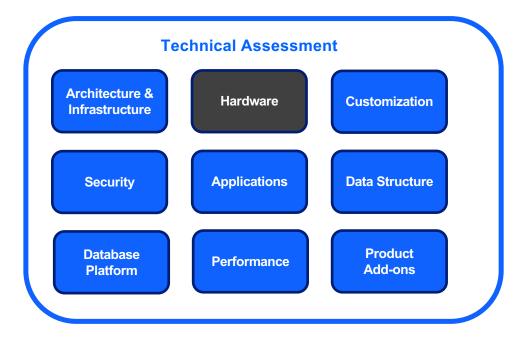
Expected Outcome:

 Maximo Technical Upgrade Assessment document containing tailored recommendations and a journey map for the upgrade

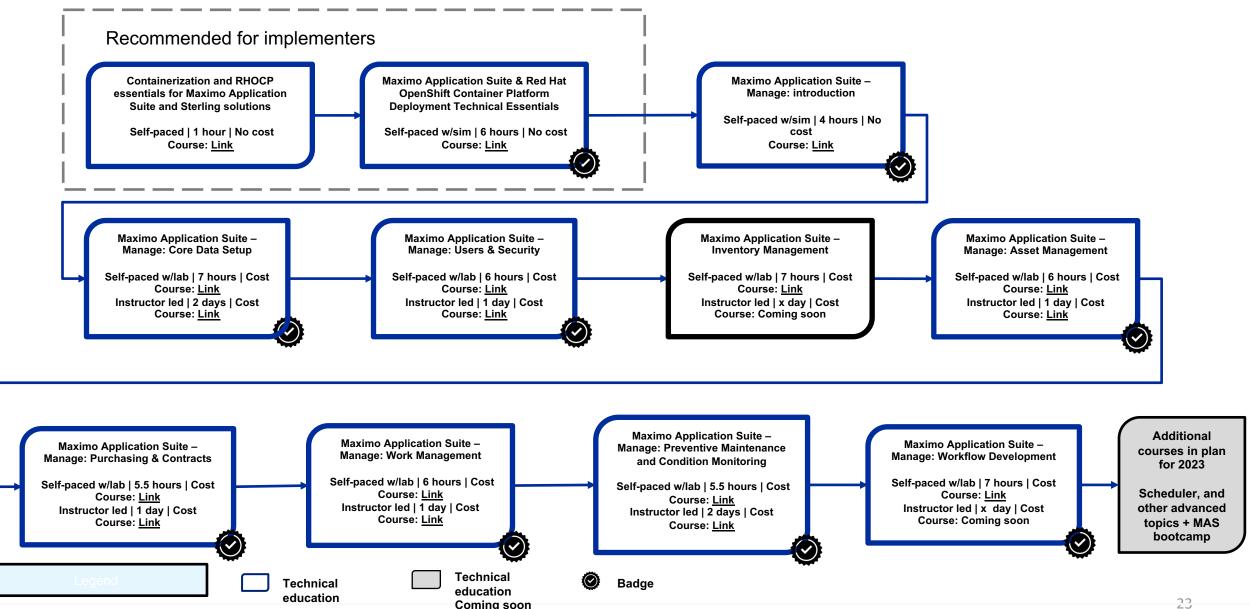
Duration:

■ 5-7 weeks

Maximo Assessment Components



Maximo Application Suite: Manage v8.x Technical Education Roadmap



Digital learning subscriptions

Maximo Digital Learning Subscription

Whether you are an enterprise seeking to get your team up-to-speed or a single individual seeking to build skills for your career, a 12-month subscription to the Maximo Digital Learning catalog of courses can save you time and money.

- Maximize your investment: Maximize your investment in IBM Maximo solutions. Bring your newly-acquired solutions to life. Pay one price for a 12-month learning subscription. Realize built-in savings compared to individual course purchases.
- **Build expertise, stay current**: Develop skills through flexible learning plans based on your goals, schedule, and budget. Get easy, on demand access to eLearning with hands-on labs included for 12 months. Close the skills gap. Meet your talent and skills transformation goals.
- **Personalize the learning experience**: Prepare for major IT initiatives or learn when needed during a project deployment. Choose courses that map to your learning journey and desired role. Prepare to be a certified professional.
- Adopt a flexible and modern approach: Move at your pace. Choose self-paced courses with hands-on labs and web-based courses during your subscription. Choose learning when you are available. A modern approach to learning with IBM.
- Cost savings: Pay one price for 12-month subscription. Save up to 45% over purchasing the courses individually.

To learn more about the IBM learning subscriptions and how to purchase, please visit the Maximo subscription pages on IBM.com:

https://www.ibm.com/training/maximo

Individual subscription

- Individual student access to digital learning course material for 12 months for one fixed price.
- Student can take up to 9 digital courses from the Maximo DLS catalog.
- List price \$2400 USD

Enterprise subscription

- 30 digital enrollments for up to 30 individual students for 12 months for one fixed price.
- Company Administrator can assign and track up to 30 courses to enterprise employees.
- List price \$12,504 USD

Request for Enhancement migration to AHA

Aha!

Al Applications - Ideas Portal

Welcome to the idea portal for IBM AI Applications Customers

IBM Employees:

The correct URL for entering your ideas is: https://ibm-ai-apps-internal.ideas.aha.io/

Clients:

Shape the future of IBM!

We invite you to shape the future of IBM, including product roadmaps, by submitting ideas that matter to you the most. Here's how it works:

Post your ideas

Start by posting ideas and requests to enhance a product or service. Take a look at ideas others have posted and upvote them if they matter to you,

- 1. Post an idea
- 2. Upvote ideas that matter most to you
- 3. Get feedback from the IBM team to refine your idea

Help IBM prioritize your ideas and requests

The IBM team may need your help to refine the ideas so they may ask for more information or feedback. The offering manager team will then decide if they can begin working on your idea. If they can start during the next development cycle, they will put the idea on the priority list. Each team at IBM works on a different schedule, where some ideas can be implemented right away, others may be placed on a different schedule.

Receive notification on the decision

Some ideas can be implemented at IBM, while others may not fit within the development plans for the product. In either case, the team will let you know as soon as possible. In some cases, we may be able to find alternatives for ideas which cannot be implemented in a reasonable time.

https://ibm-ai-apps.ideas.ibm.com/

Questions?

