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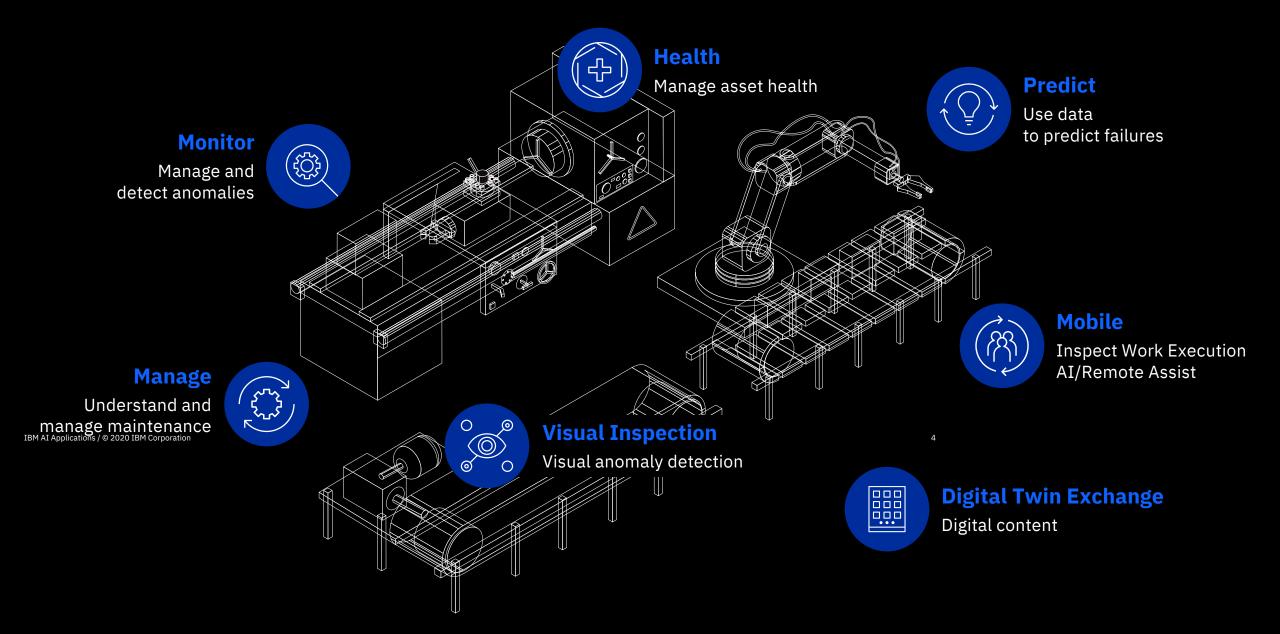
The development, release, and timing of any future features or functionality described for our products remains at our sole discretion.



Maximo EAM to MAS upgrade

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Why MAS?
       MAS New Architecture – Open shift
       EOL for Maximo 7.6.X
Making the move
       Deployment Options
               On-prem / Cloud / Hybrid
       Upgrade Process
Sizing calculator tool
        On-prem
       Managed
Next Steps
       Sales
        Expert Lab
        Partners
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Driving the Automation Journey



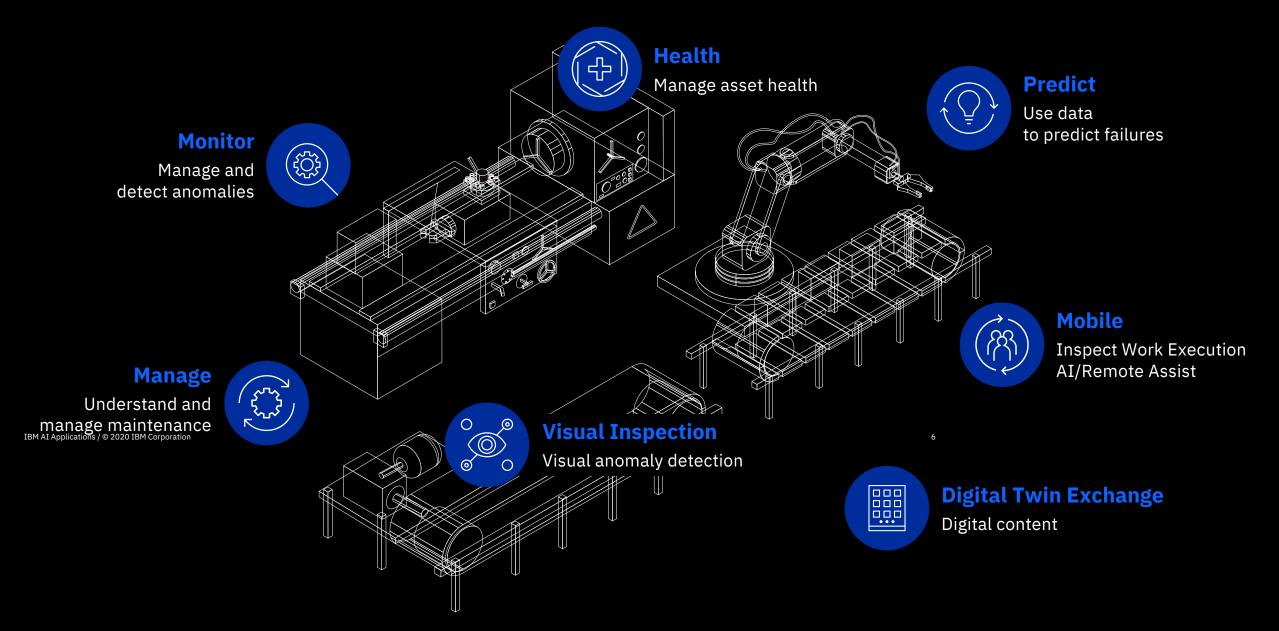
Report Downtime

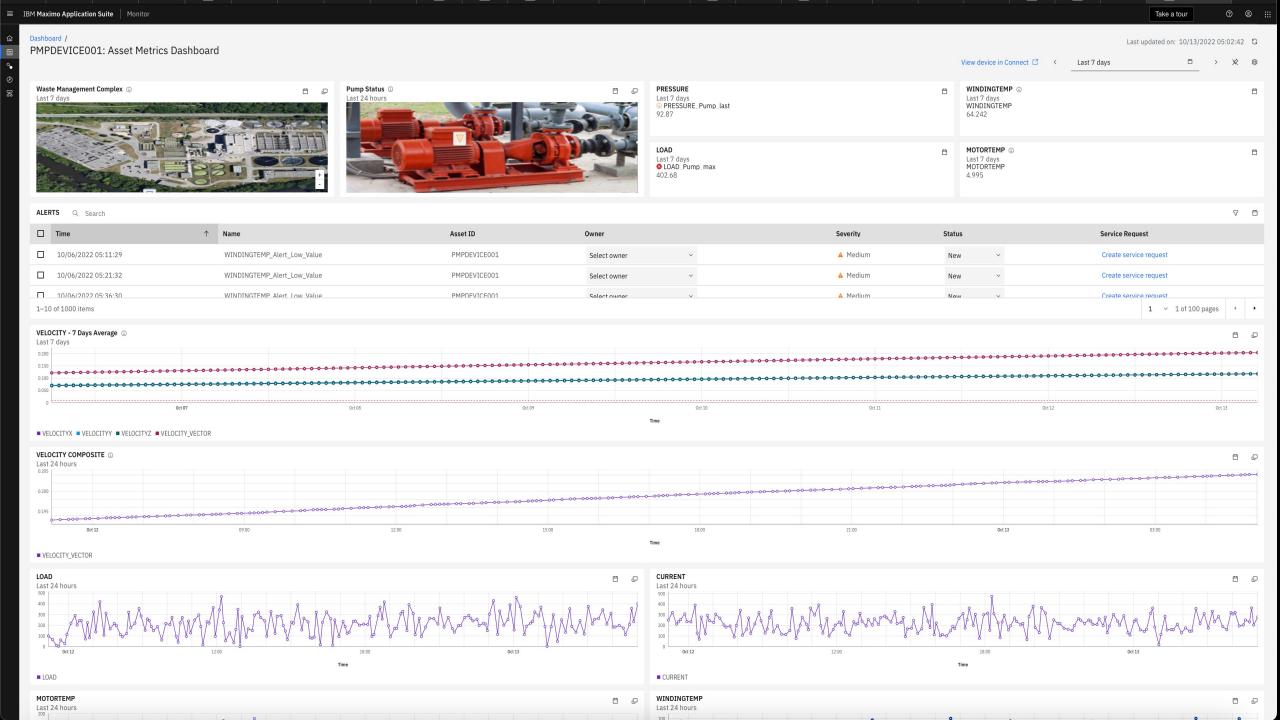
Create

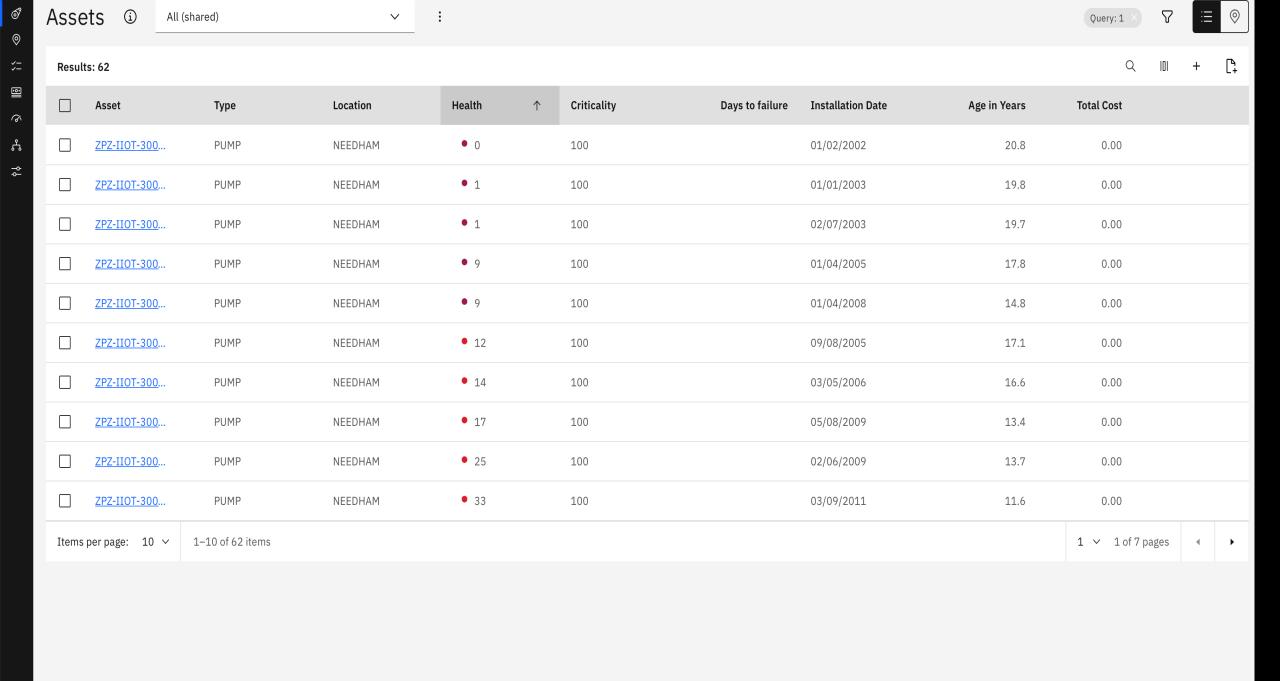
Manage Downtime History

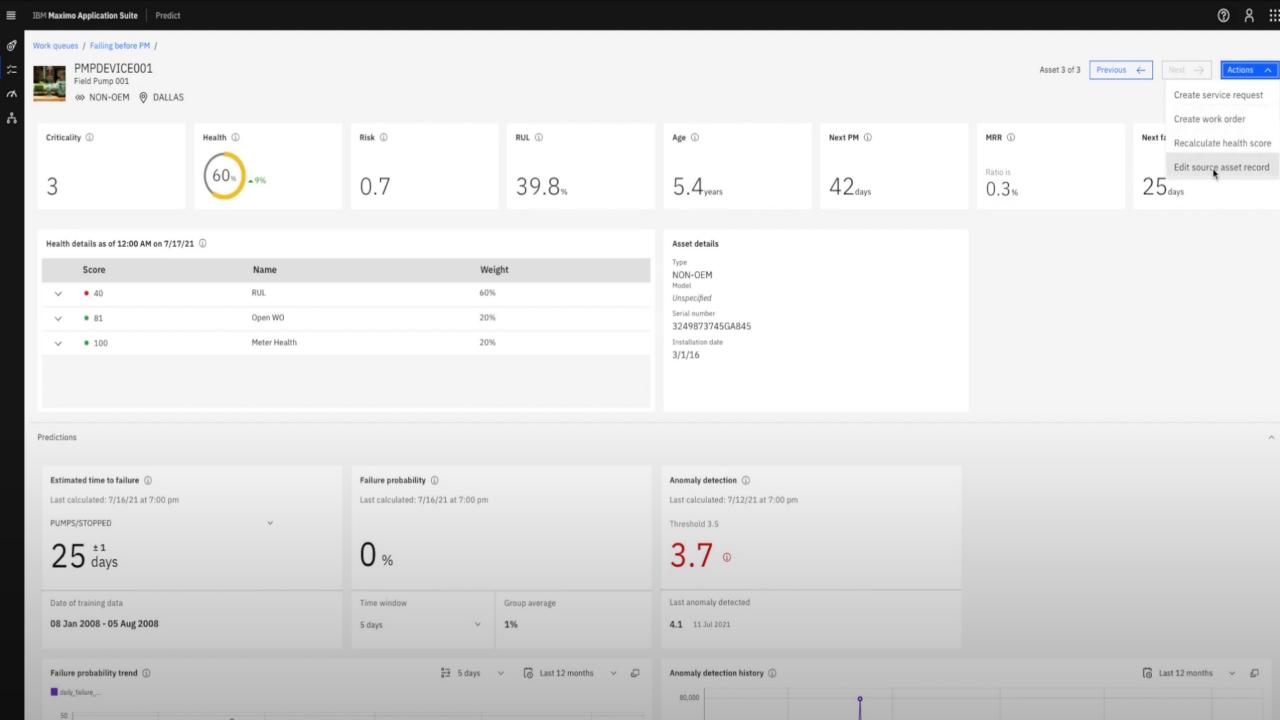
Add/Modify Linear Referencing...

Driving the Automation Journey

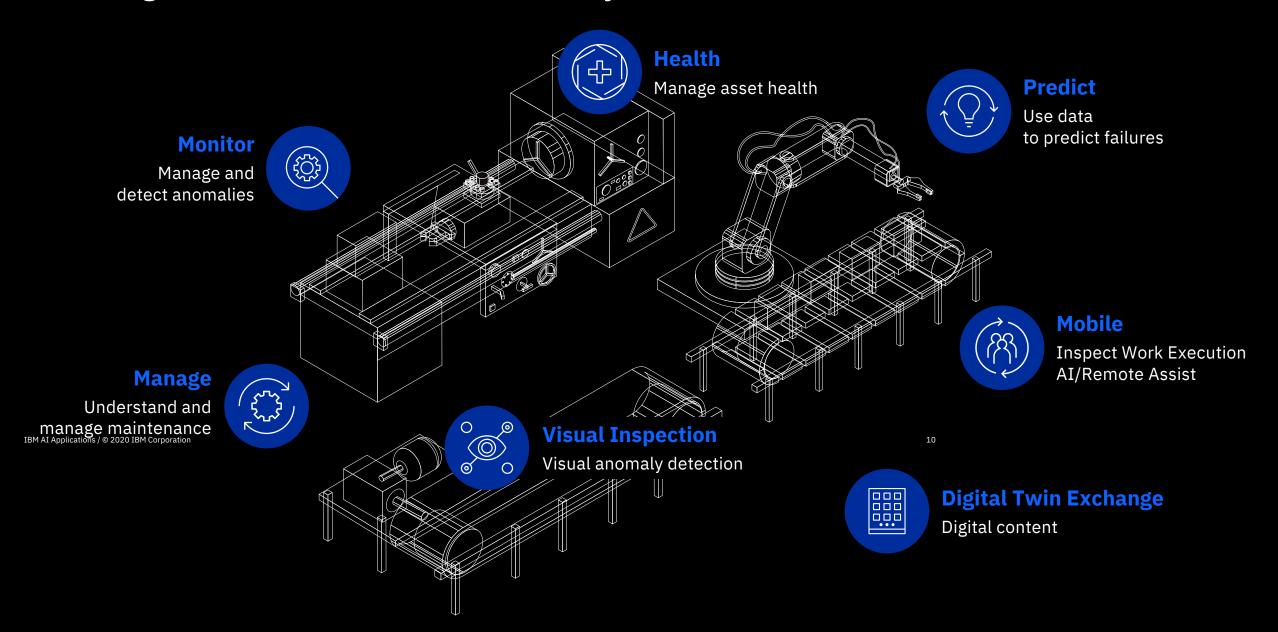








Driving the Automation Journey



Focusing on key capabilities for 2022 and 2023





Expand offerings via hyperscalers, introduce and expand SaaS, 1-Click installation, and improve operations through Software Operations Maturity Model.



Data and AI @ Scale

Significant improvement of ingestion and rendering of sensor and operational data.

AI where valuable and when needed.



Continually improve ease and value of EAM MAS migration

Continual improvement to the migration experience, ensure legacy function is available and easy to access, and provide new value in Manage and the Suite.



Modernize to improve effectiveness

Expand the new user experience aligning asset management roles with AI enhanced processes for managers, schedulers, dispatchers and mobile users.







Modernize and extend Industry Solutions

Bring modernized user experience to key roles and expand Industry Solutions to leverage MAS capabilities of value to industry customers.

Ease and Value of EAM to MAS Migration Why Now?

Ensure your competitive advantage with access to additional capabilities and industry models which provide the foundation for intelligent asset management.

MAS delivers immediate improvements:

- 15% maintenance cost reduction with elimination of unneeded maintenance and improved remaining repair efficiencies
- Support data driven cross-functional decisions with root cause failure analysis



IBM Maximo / © 2022 IBM Corporation

Maximo Application Suite

Best of class capabilities to provide complete view of your assets

Coming soon....

Manage

Intelligent Asset Management



Monitor

Monitor and Detect Anomalies



360 View of Assets

Health



Predict

Predictive Failures



e AI-Powered Insights



Visual

Inspection

Assist

Prescriptive Assistance



Safety

Actionable Insights for Worker Safety



Control Desk

IT/OT Convergence



IBM Cloud Pak for Data | IBM Watson Studio | IBM Watson ML | IBM Watson Discovery



Infrastructure Independent Common Operating Environment













Private



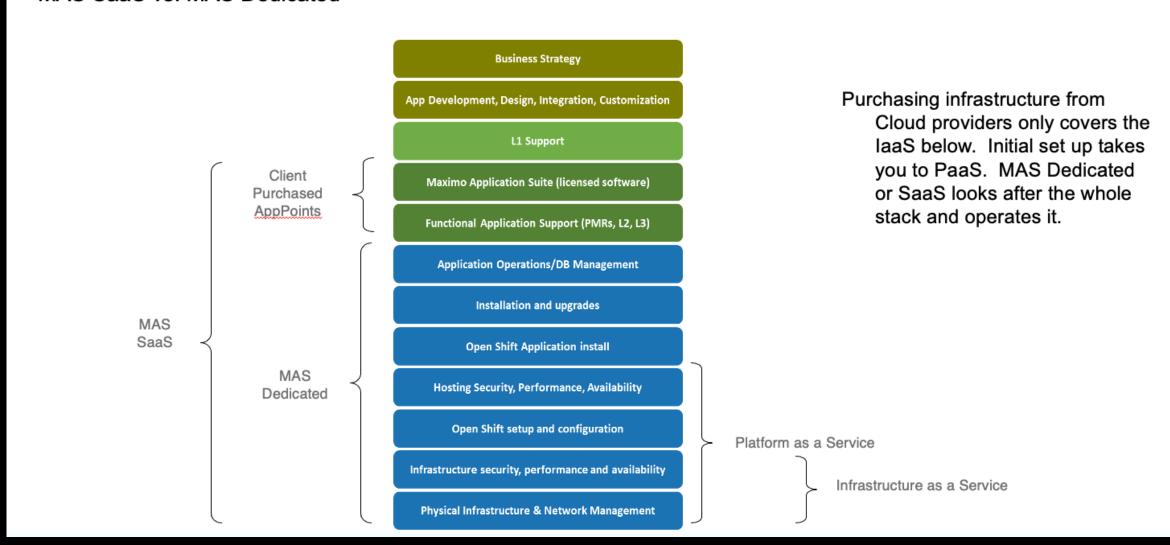
Systems

MAS Deployment Options

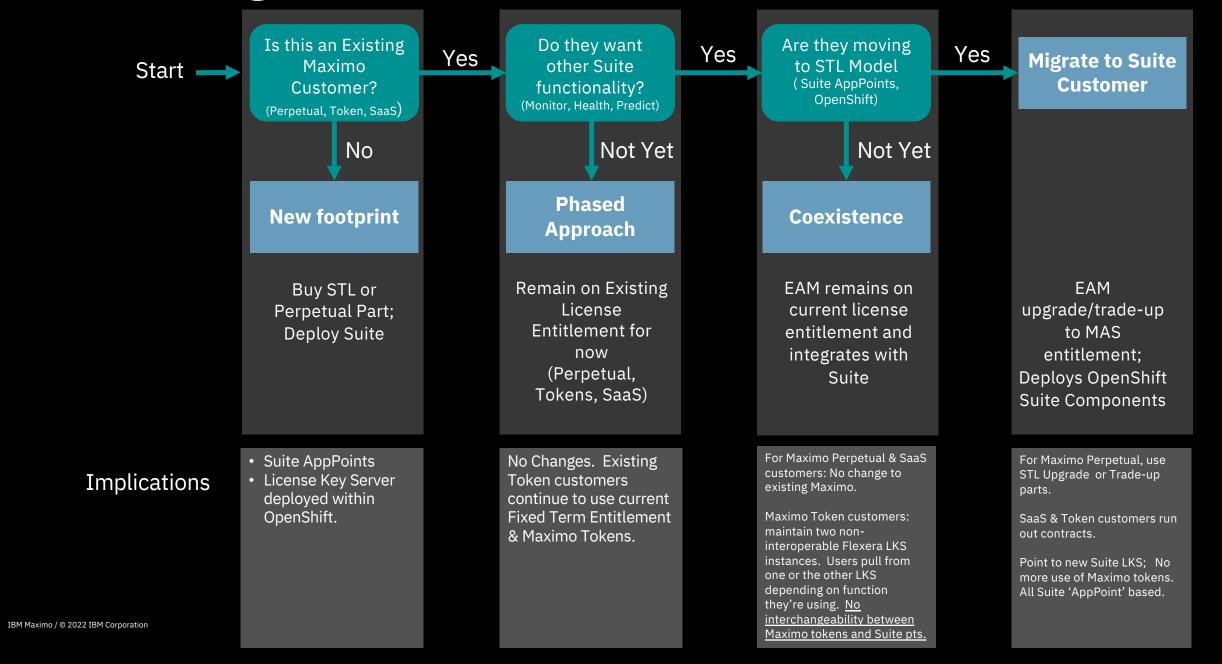
Deployment	Availability	Procure	Provision & Operate	Client Benefits
On Premise	Now	Client purchases MAS from IBM Client provides infrastructure	Client provisions, manages, and operates full stack	Maximum operational flexibility
Hyperscalers	Now AWS 1Q22 Azure 2Q22 Now AWS 3Q22 Azure 4Q22	BYOL Client 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	Now AWS 3Q22	Client purchase single part (includes software, infrastructure, and operations) from <u>either</u> IBM or AWS Marketplace	IBM provisions, manages, and operates Client's MAS environment on AWS Cloud using IBM's AWS cloud account	Reduced time-to-valueReduced operational costsAllows clients to focus on business priorities
Dedicated (Managed Service)	Now IBM 2021 AWS 1Q23*	Client purchases software and managed service (including infrastructure) from IBM	IBM provisions, manages, and operates Client's MAS environment on IBM Cloud or AWS in an IBM owned account	 Simplifies deployment and operations Provides more flexibility, than SaaS, to customize environment Provides more operational flexibility than SaaS

MAS Deployment Options

MAS SaaS vs. MAS Dedicated



Path to moving Maximo EAM customers to MAS



MAS AppPoint Consumption

Self Service, Limited, Base, Premium Users, Installs

Self Service User

Free 0 AppPoints

Self Service Applications

- Service Requests
- Desktop Requisitions
- Requests (Oil & Gas)
- Create/Review Incidents (HSE)
- Vehicle Requests (Transportation)
- Graphical Appt Book (Scheduler)
- Bill review (Service Provider)
- Data Transfer via devices and sensors (Safety)

Limited User

Concurrent Authorized
5 2
AppPoints AppPoints

3 Modules:

- Manage
- · Manage Industry Solutions
- Manage Add-ons

Mobile

- · Maximo Mobile
- Assist
- · Anywhere
- 3rd Party

Monitor

Base User

Concurrent Authorized

10 3
AppPoints AppPoints

Manage

Includes:

- Linear
- Calibration
- · Spatial (requires install)

Scheduler

Health Safety

Premium User

Concurrent Authorized

15 5

AppPoints AppPoints

Manage

Industry Solutions

 O&G, Aviation, Transportation, Utilities, Nuclear, Civil Infrastructure

Add-ons

· ACM, SP, HSE

Predict

Health and Predict - Utilities Visual Inspection

Maximo EAM to MAS upgrade

Sizing calculator tool

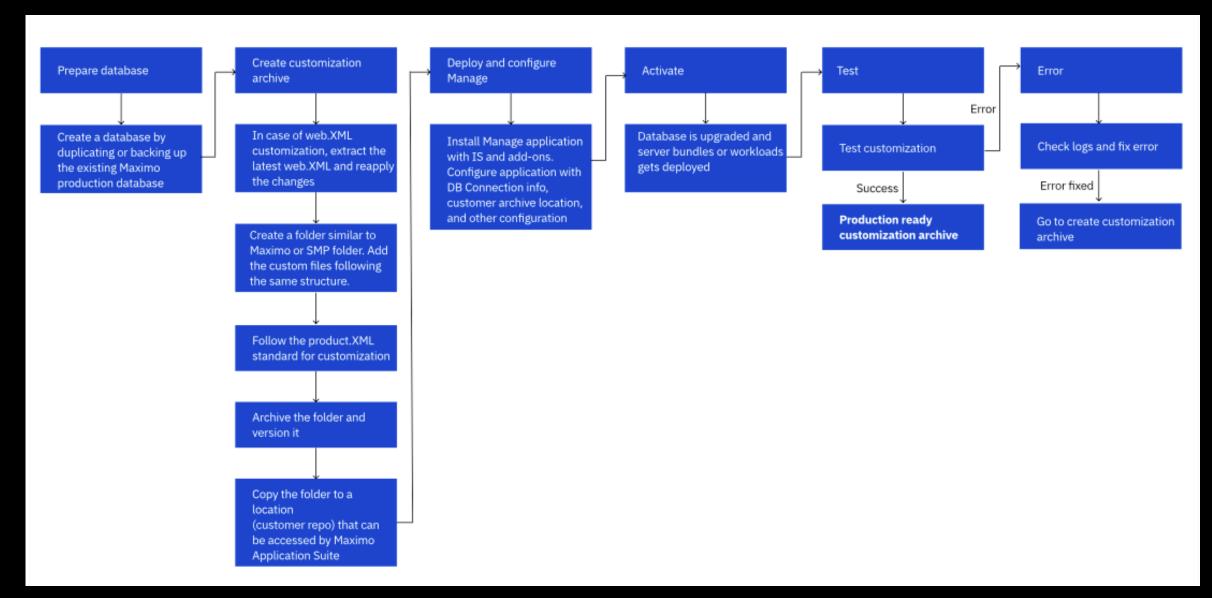
IBM has tools to help you determine how many points you will need based on current usage in 7.6.1.x

Magic Scripts

IBM has tools to help you determine how your environment should be sized.

Maximo Upgrade Process

EAM to Manage



https://www.ibm.com/docs/en/maximo-manage/continuous-delivery?topic=environment-upgrade-process

Maximo EAM to MAS upgrade

Next Steps

Talk to your IBM Brand Specialist (Sales Rep.)

Talk to your IBM Brand Technical Specialist (Sales Engineer)

Talk to you IBM Business Partner

Talk to your IBM Expert Labs Representative

MAS Modernization

First

Multi-national mining who has been using Maximo SaaSFlex for Aftermarket services for 5 years.

Modernized their maintenance platform **and migrated** to MAS in 2021. Activating new capabilities to help field services with:

- Mobile
- Assist
- Visual Inspection

Latest

TEP in Arizona with 438K customers migrated from Maximo to MAS Manage 8.8.1 in 2022 (Link)



Jaime Barnett
Supervisor, T&D Applications • IS Customer Application
Tucson Electric Power

Demystifying the Move to Maximo Application Suite -Featuring Special Guest: Tucson Electric Power

Join us alongside Tucson Electric Power as we demystify your move to MAS. TEP will share their experiences migrating from Maximo to MAS, challenges they were able to overcome, and additional best practices/considerations throughout the process.

Customer Managed

Total: 387

Commercial: 322

New Logo: 65

IBM Managed

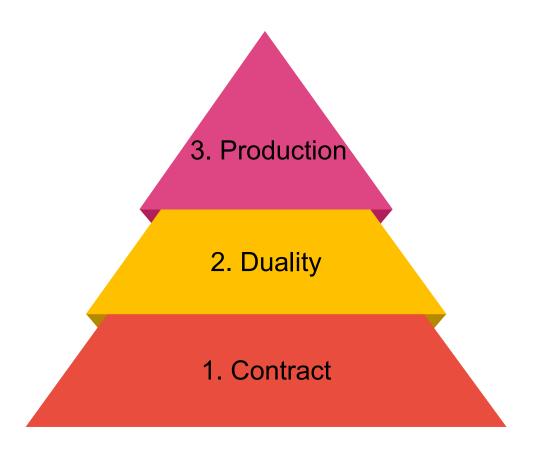
Total: 71

Commercial: 14

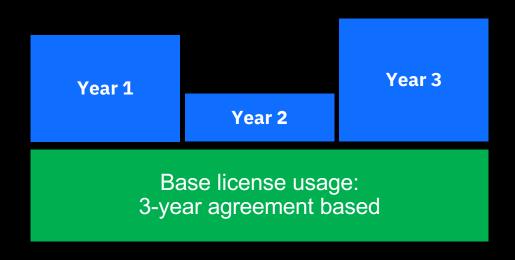
New Logo: 57

How do you get to MAS?

- 1. Contractual Migration: Keep running 7.6.1 but as AppPoints
- Duality: Create MAS Sandboxes to help with estate migration
- 3. Be on MAS Containers before September 2025 or pay Maximo 7.6.1 Extended Support



Licensing Approach 1 Flexibility in deployment model, locations, quantities and components



Shift licenses instantly across locations

Shift licenses instantly across Maximo components

Annual quantity variability above the base license usage

- License amount (App Points)
- Managed Services hosting / on prem

... 2

Flexibility in deployment model – on Prem or managed on Cloud or SaaS

Flexibility in deployment location

- Licenses float across geographies any time (daily, hourly)
- Follow the sun (reuse licenses in other locations when technicians are asleep)

Flexibility in overall quantity — up and down on annual basis

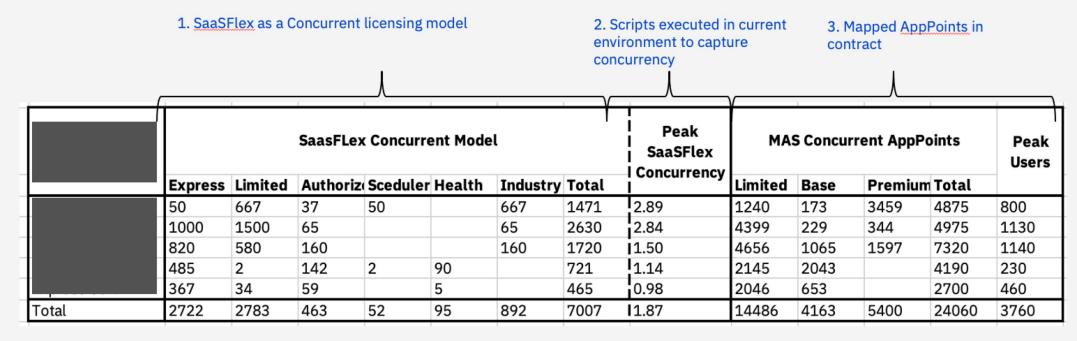
Flexibility in consumption of product components (EAM, Monitor, Health, Predict, Safety, etc)

- Licensed on overall capacity via App Points
- No need to license individual products

Step 1 – Contractual Migration by mapping existing 7.6.1 estate to AppPoints. This is a real-life mapping where customer name is greyed out

How AppPoints where calculated?

(a) Run Script (b) Calculate Concurrency and map to (c) concurrent SaaSFlex users



Question: Does it all add up?

- On SaaSFlex there are 7007 entitlements, and the peak usage is 3747 users in the system
- On MAS there is a pool of 24060 AppPoints and the peak usage will be 3760 users in the system

And does it add up for each unit?

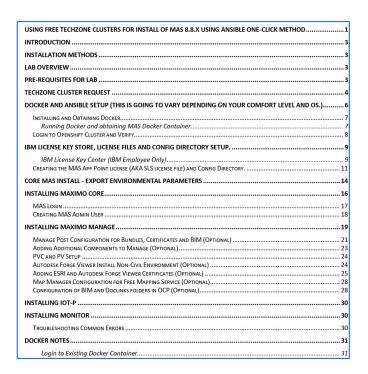
- Yes, BUT MAHI on SaaSFlex are RVU based and in MAS it is user based.
- · AppPoints are also the most flexible license metric to date on Maximo, so Peak Usage will have additional stretch

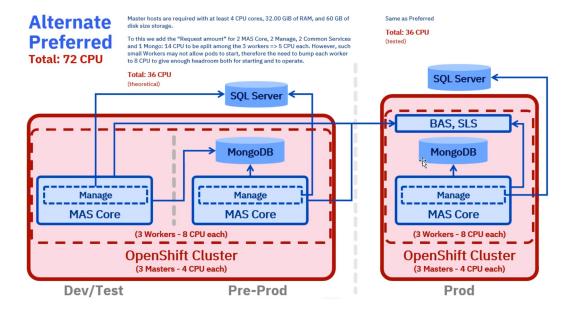
Step 2a - Sandboxes Where do I start?

Today: Cluster configuration:

- 1. Ansible Playbook for Single Click Install (Link) starts from Openshift
- 2. Step by Step guide on IBM Cloud with Openshift

Tomorrow: Single Click with Single Node Support





Step 2b – Process of migration



*: To date have not found a customer requiring high

Technical Remediation Items All RMI replaced with REST API's All integrations using apikeys JMS queues updated and replaced with Kafka. SCIM replaces all VMM sync. All SOAP 1.1 replaced

