

IBM Maximo 7.6.1 vs. Maximo Application Suite (MAS) A Comparative Analysis



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Agenda

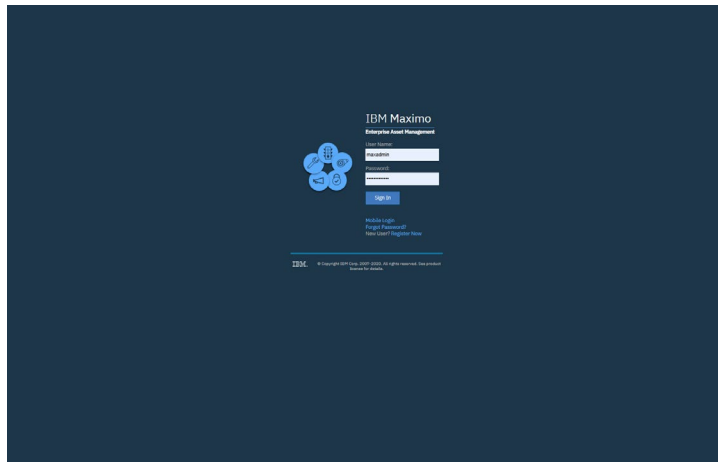
- ▶ Key Differences
- ▶ Start Centers - Operational Dashboards
- ▶ User Interface - Basic Navigation
- ▶ User Management
- ▶ Reliability Strategies
- ▶ Wrap Up



Key Differences:

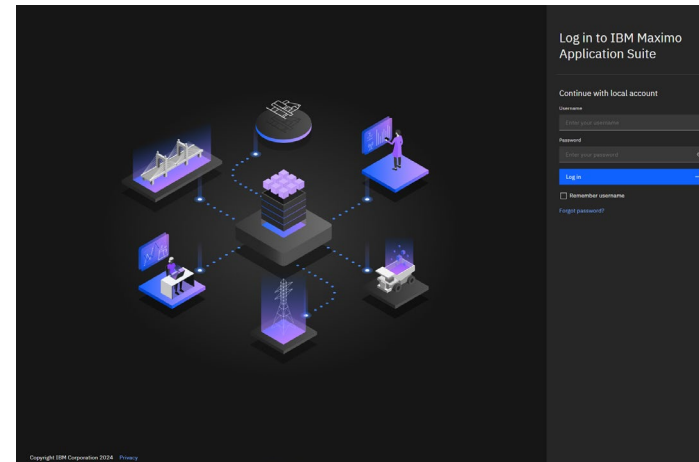
IBM Maximo 7.6.1

Traditional on-premise or MaaS EAM system.



Maximo Application Suite (MAS)

AI-driven, cloud-native platform using **Red Hat OpenShift**.



- Modern UI with **intelligent work centers**.
- AI/ML-driven insights for scheduling and asset management.
- OpenShift-powered containerized user access.



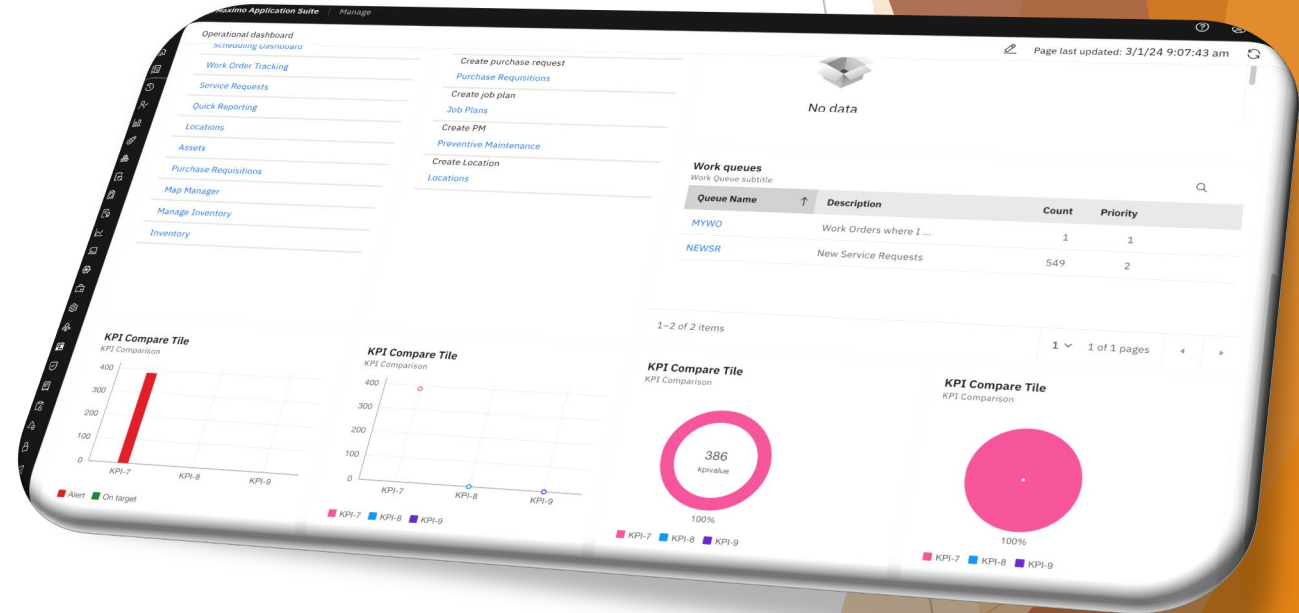
Start Centers – Operational Dashboards

Maximo 7.6.1:

- ✓ Traditional **Start Center Portlets** (KPIs, Result Sets, Quick Insert).
- ✓ Customizable, but **UI is dated and less intuitive**.
- ✓ **Requires manual refresh** for updates.

MAS:

- ✓ **Modern tile-based interface** with role-based dashboards.
- ✓ **Dynamic and interactive KPIs** with real-time updates.
- ✓ Improved **mobile and web responsiveness**.
- ✚ **Key Change:** Easier **visualization of tasks and insights**, reducing clicks to access critical



Start Centers

Home

Menu

Welcome, MAXADMIN

MAXADMIN

Navigation Icons

IBM

Find Navigation Item

Go To Applications

Administration

Analytics

Assets

Building Information Model...

Change

Contracts

Financial

Integration

Inventory

IT Infrastructure

Planning

Preventive Maintenance

Purchasing

Release

Security

Self Service

Service Desk

Service Level

System Configuration

Task Management

Work Orders

Administration

Inventory

New Template

Quick Insert

New Person

New User

Security, Users and Groups

Users

Security Groups

People

Person Groups

Workflow Configuration

Workflow Designer

Roles

Actions

Communication Templates

Workflow Administration

Escalations

Bulletin Board

Filter

Filter Icon

Filter Icon

To filter for specific records, specify data in the filter fields and then press the Enter key.

Subject	Message	Post Date	Expiration Date	Viewed
				N

There are currently no bulletin board messages to view.

Inbox / Assignments

Description	Due Date	Priority	Start Date	Route Workflow
Next Assignment Due: 3/23/25 12:32 PM				
Move from APPR to INPRG	7/14/21 5:36 PM		7/14/21 4:36 PM	
Move from WAPPR to APPR	3/23/25 12:32 PM		3/23/25 11:32 AM	

1 - 2 of 2

KPI Graph

Last Run: 3/11/11 9:30 AM

Current User Sessions

Related KPI

Status

KPI

Actual

Target

Variance

Current User Sessions

1

500

-499

KPI Graph

Last Run: 2/29/08 1:56 PM



Start Centers

The screenshot displays the IBM Maximo Application Suite interface. The top navigation bar includes the IBM Maximo Application Suite logo, a 'Manage' button, and a 'Take a tour' button. The main navigation menu on the left lists various applications: Administration, Inventory, Maintenance (selected), Operations Manager, and Self-Service. The Maintenance section is further divided into Favorite Applications (Labor Reporting, Quick Reporting, Work Order Tracking) and Quick Insert (Add Labor, Insert Work Order, Report Labor).

The main content area shows the 'Bulletin Board' with a table of messages. The table has columns for Subject, Message, Post Date, Expiration Date, and Viewed. Below the table, there is an 'Operational dashboard' with several widgets:

- Operational dashboard**: A summary of key performance indicators (KPIs) and trends.
- Operational KPIs**: A grid of four KPI cards showing work orders and completion percentages.
- Operational KPIs (Bar Chart)**: A bar chart showing the distribution of work orders across different categories.
- Operational KPIs (Line Chart)**: A line chart showing the trend of work orders over time.
- Operational KPIs (Table)**: A table showing the distribution of work orders across different categories.

The dashboard also includes a 'Work Order Tracking' section with a table of work orders and a 'Work Order Tracking' button. The bottom right corner of the dashboard shows a 'Work Order Tracking' button and a 'Work Order Tracking' button.



User Interface

Purpose: The most immediately noticeable change: the user experience.

The UI is the front door to the system, and this is where users will feel the most direct impact. Highlighting these changes reduces anxiety and helps prepare users for what to expect.

- Maximo Manage features a modern, responsive interface
- Streamlined navigation bar and search
- Tiles/dashboard views for quicker access to frequent tasks
- Examples:
 - Work Order Tracking screen—fewer clicks, collapsible menus
 - New "Cards" layout in list views
 - Global search vs 7.6's application-specific searches




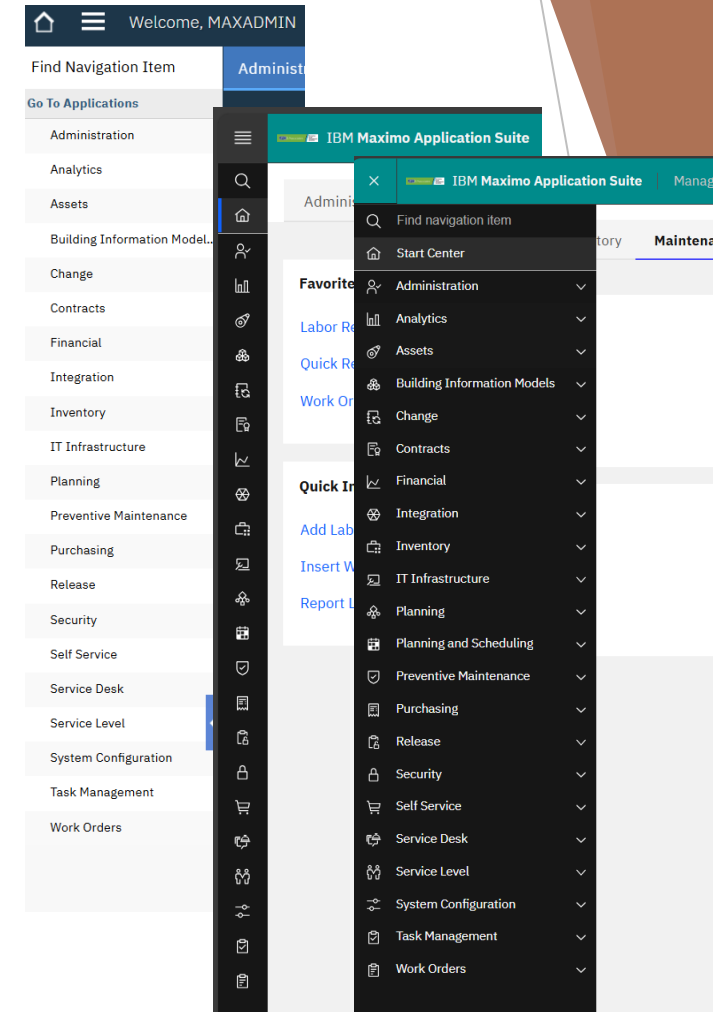
Navigation Changes:

Maximo 7.6.1:

- ✓ **Left-hand navigation menu** and list tab structure.
- ✓ **Static menus**; users must click through multiple levels.

MAS:

- ✓ **Intelligent Work Centers** → Role-based access (Planner, Technician, Supervisor).
 - ✓ **Global search** with AI recommendations.
 - ✓ **Improved UX**: Fewer clicks, quicker navigation, and enhanced filtering.
-  **Key Advantage**: Faster access to **work orders, assets, and reports**, minimizing training time.



Application Navigation

Work Order Tracking

MAXADMIN

Find Work Order

Find Navigation Item

Go To Applications

Available Queries

All Records

All Bookmarks

EAGLE NA PM Work Orders

Today's IOT Work Orders

All Work Orders

X

Common Actions

New Work Order

Change Status

Select Owner

Take Ownership

Create KPI

Approve Work Order

More Actions

Assign to New Parent

Create Work Package

Reschedule/Unassign Assignments

Attachment Library/Folders

Run Reports

Cognos Analytics

Advanced Search

Save Query

Bookmarks

Work Orders

Filter

1 - 20 of 258

Work Order	Description	Location	Asset	Status	Scheduled Start	Priority	Is dynamic?	Dynamic Job Plan applied	Site
45021	Condensate Return Pump Quarterly Service	BR430	11430 ⓘ	WMATL		6	<input type="checkbox"/>	NO	BEDFORD ⓘ
33677	Burner Quarterly Inspection and Certification	ECC210	11220 ⓘ	WAPPR		2	<input type="checkbox"/>	NO	BEDFORD ⓘ
33567	Condensate Return Pump Quarterly Service	BR430	11430 ⓘ	APPR	7/23/21 10:00 AM	6	<input type="checkbox"/>	NO	BEDFORD ⓘ
1229	HVAC overheating	BR200	11200 ⓘ	WAPPR	6/7/19 6:06 PM	4	<input type="checkbox"/>	NO	BEDFORD ⓘ
1223	HVAC overheating	BR200	11200 ⓘ	WAPPR	6/7/19 6:06 PM	2	<input type="checkbox"/>	NO	BEDFORD ⓘ
1221	HVAC overheating	BR200	11200 ⓘ	APPR	3/30/16 3:00 PM	2	<input type="checkbox"/>	NO	BEDFORD ⓘ
1235	HVAC overheating	BR200	11200 ⓘ	COMP	6/7/19 6:06 PM	5	<input type="checkbox"/>	NO	BEDFORD ⓘ
1241	HVAC overheating	BR200	11200 ⓘ	WAPPR	6/7/19 6:06 PM	5	<input type="checkbox"/>	NO	BEDFORD ⓘ
1257	HVAC overheating	BR200	11200 ⓘ	WAPPR	6/7/19 6:06 PM	5	<input type="checkbox"/>	NO	BEDFORD ⓘ
1246	HVAC overheating	BR200	11200 ⓘ	WAPPR	6/7/19 6:06 PM	5	<input type="checkbox"/>	NO	BEDFORD ⓘ
1251	HVAC overheating	BR200	11200 ⓘ	WAPPR	6/7/19 6:06 PM	5	<input type="checkbox"/>	NO	BEDFORD ⓘ
1262	HVAC overheating	BR200	11200 ⓘ	WAPPR	6/7/19 6:06 PM	5	<input type="checkbox"/>	NO	BEDFORD ⓘ
1268	HVAC overheating	BR200	11200 ⓘ	WAPPR	6/7/19 6:06 PM	5	<input type="checkbox"/>	NO	BEDFORD ⓘ
1273	HVAC overheating	BR200	11200 ⓘ	WAPPR	6/7/19 6:06 PM	5	<input type="checkbox"/>	NO	BEDFORD ⓘ
1279	Burner Quarterly Inspection and Certification	ECC210	11220 ⓘ	APPR	7/19/21 6:00 PM	2	<input type="checkbox"/>	NO	BEDFORD ⓘ
1280	Burner Quarterly Inspection and Certification	ECC210	11220 ⓘ	WAPPR		2	<input type="checkbox"/>	NO	BEDFORD ⓘ



Application Navigation

IBM Maximo Application Suite Manage [Take a tour](#)

Work Order Tracking

Find navigation item <

Available Queries >

Common Actions

- [New Work Order](#)
- [Change Status](#)
- [Select Owner](#)
- [Take Ownership](#)
- [Create KPI](#)
- [Approve Work Order](#)
- [Initiate Work Order](#)
- [Complete Work Order](#)
- [Close Work Order](#)
- [Create Report](#)

More Actions

- [Assign to New Parent](#)
- [Create Work Package](#)
- [Reschedule/Unassign Assign...](#)
- [Attachment Library/Folders](#)
- [Run Reports](#)

Work Orders (1 - 20 of 521)

Work Order	Description	Location	Asset	Status	Scheduled Start	Priority	Is dynamic?	Dynamic
1000	Relocate Guard Rails Around Compressor	BR300	11300	WAPPR	3/30/16 3:00 PM	2	<input type="checkbox"/>	NO
1001	12 Month Service on Shipping Dept #1 Conveyor	SHIPPING	12600	INPRG	3/30/16 3:00 PM	5	<input type="checkbox"/>	NO
1002	Rebuild Feedwater Pump	MOFLOOR1	1001	APPR	8/20/24 2:06 PM	3	<input type="checkbox"/>	NO
1003	Check for Plumbing Problem	MOFLOOR1	1001	APPR	3/30/16 3:00 PM	5	<input type="checkbox"/>	NO
1004	Generator Overhaul	MOFLOOR1	1001	WAPPR		1	<input type="checkbox"/>	NO
1005	Electric Cart Tune-Up	MOFLOOR1	1001	APPR		7	<input type="checkbox"/>	NO
1007	Packaging Mach. Elevator & Drainpan Inspection	MOFLOOR1	1001	APPR	3/30/16 3:00 PM	8	<input type="checkbox"/>	NO
1008	Repair Damaged Conduit Feeding Generator	MOFLOOR1	1001	APPR	3/30/16 3:00 PM	7	<input type="checkbox"/>	NO
1009	12 Month Service on Shipping Dept #2 Conveyor	SHIPPING	12700	INPRG	8/23/24 9:06 AM	8	<input type="checkbox"/>	NO
1013	Inspect and Repair Pump as Required	REPAIR	11470	APPR	1/3/25 5:27 PM	5	<input type="checkbox"/>	NO
1018	Paint Guard Rail Around #1 Fan	BR210	11210	WAPPR		4	<input type="checkbox"/>	NO
1019	Conveyor Overhaul- Pkg. Dept.	BPM3100	13140	COMP	8/20/24 8:00 PM	8	<input type="checkbox"/>	NO
1020	Generator Overhaul	BR230	11230	WSCH	3/30/16 3:00 PM	2	<input type="checkbox"/>	NO



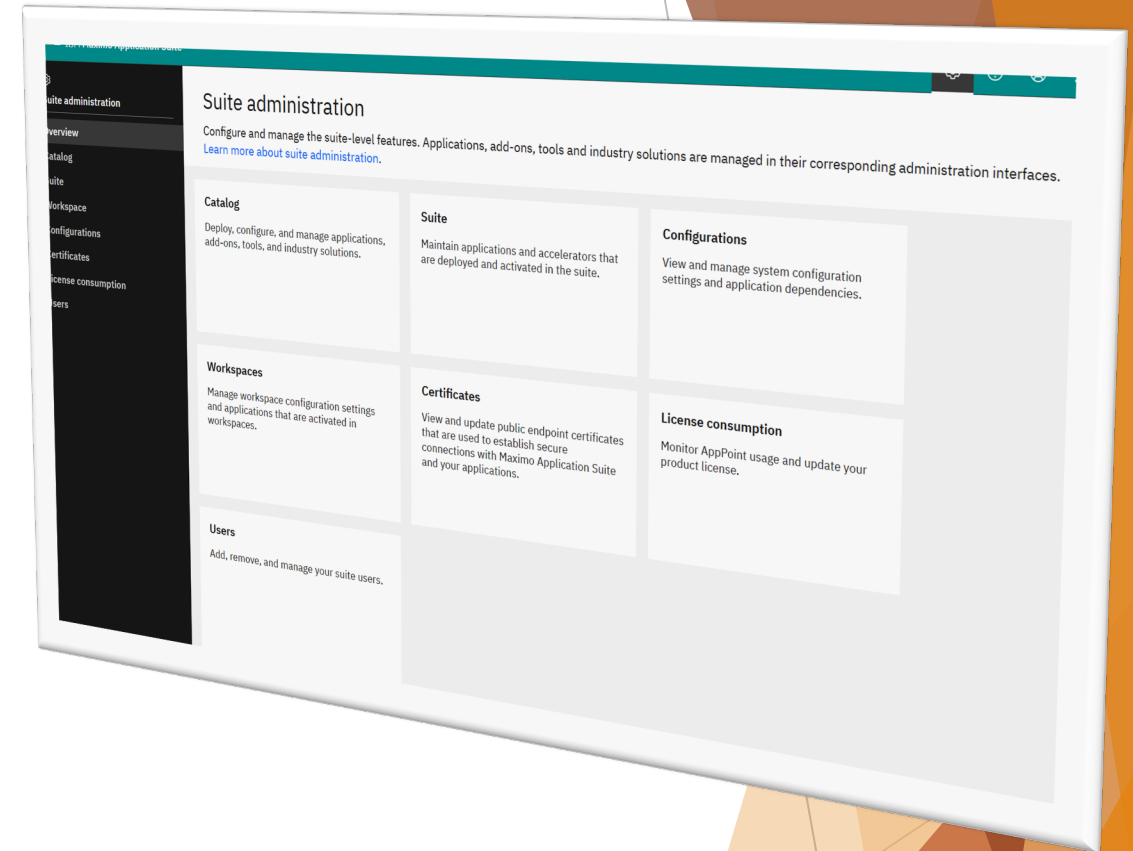
User Management

Maximo 7.6.1:

- ✓ User provisioning through Security Groups and People records.
- ✓ **Static authentication model** (LDAP, SSO options).

MAS (OpenShift IAM):

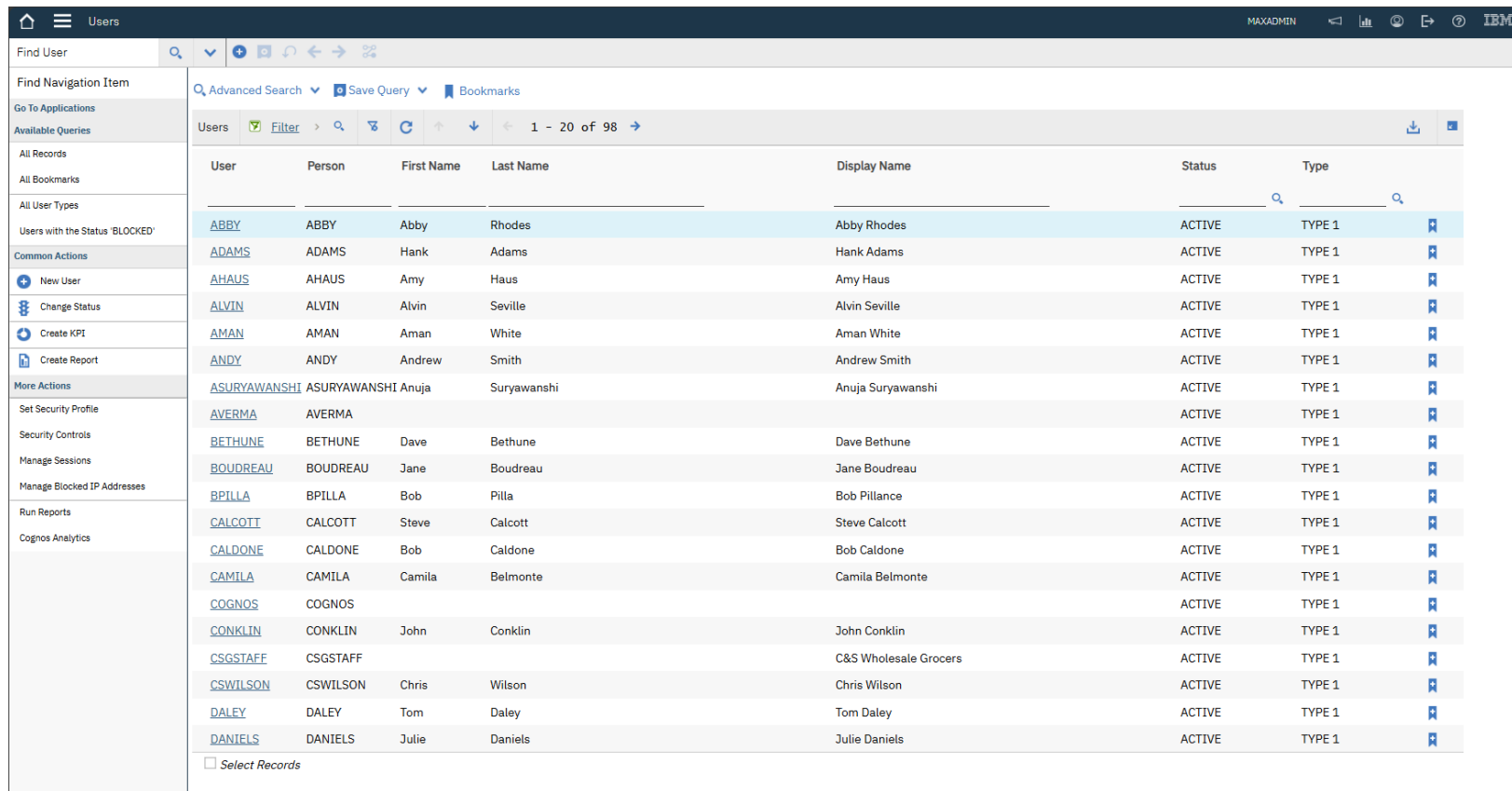
- ✓ **Red Hat OpenShift**-powered Identity & Access Management (IAM).
 - ✓ Centralized **SSO authentication** across Maximo modules.
 - ✓ **Scalable** user creation with containerized environments.
- 🔧 **Key Benefit:** Easier user provisioning, improved security, and faster onboarding.



User Management

Maximo 7.6.1:

User provisioning through Security Groups, Users and People records.
Static authentication model (Native, LDAP, SSO options).



User	Person	First Name	Last Name	Display Name	Status	Type
ABBY	ABBY	Abby	Rhodes	Abby Rhodes	ACTIVE	TYPE 1
ADAMS	ADAMS	Hank	Adams	Hank Adams	ACTIVE	TYPE 1
AHAUS	AHAUS	Amy	Haus	Amy Haus	ACTIVE	TYPE 1
ALVIN	ALVIN	Alvin	Seville	Alvin Seville	ACTIVE	TYPE 1
AMAN	AMAN	Aman	White	Aman White	ACTIVE	TYPE 1
ANDY	ANDY	Andrew	Smith	Andrew Smith	ACTIVE	TYPE 1
ASURYAWANSHI	ASURYAWANSHI	Anuja	Suryawanshi	Anuja Suryawanshi	ACTIVE	TYPE 1
AVERMA	AVERMA				ACTIVE	TYPE 1
BETHUNE	BETHUNE	Dave	Bethune	Dave Bethune	ACTIVE	TYPE 1
BOUDREAU	BOUDREAU	Jane	Boudreau	Jane Boudreau	ACTIVE	TYPE 1
BPILLA	BPILLA	Bob	Pilla	Bob Pillance	ACTIVE	TYPE 1
CALCOTT	CALCOTT	Steve	Calcott	Steve Calcott	ACTIVE	TYPE 1
CALDONE	CALDONE	Bob	Caldone	Bob Caldone	ACTIVE	TYPE 1
CAMILA	CAMILA	Camila	Belmonte	Camila Belmonte	ACTIVE	TYPE 1
COGNOS	COGNOS				ACTIVE	TYPE 1
CONKLIN	CONKLIN	John	Conklin	John Conklin	ACTIVE	TYPE 1
CSGSTAFF	CSGSTAFF			C&S Wholesale Grocers	ACTIVE	TYPE 1
CSWILSON	CSWILSON	Chris	Wilson	Chris Wilson	ACTIVE	TYPE 1
DALEY	DALEY	Tom	Daley	Tom Daley	ACTIVE	TYPE 1
DANIELS	DANIELS	Julie	Daniels	Julie Daniels	ACTIVE	TYPE 1



User Management

MAS (OpenShift):

Red Hat OpenShift-powered Identity & Access

Management

- Centralized SSO authentication across Maximo modules.
- Scalable user creation with containerized environments.

The screenshot displays the IBM Maximo Application Suite user management interface. The top navigation bar shows 'Suite administration' with a sub-menu including Overview, Catalog, Suite, Workspace, Configurations, Certificates, License consumption, and Users. The main content area is titled 'User management' and includes a search bar, a table of users, and a 'Create user' button. The table lists users with columns for User ID, Username, Entitlement, User sync, and Status.

User ID	Username	Entitlement	User sync	Status
abby	abby	Base user	Complete	Active
adams	adams	Base user	Complete	Active
alvin	alvin	Limited user	Complete	Active
aman	aman	Base user	Complete	Active
ameuse	ameuse	Premium user, Premium admin	Complete	Active
andy	andy	Self service user	Complete	Active
bethune	bethune	Base user	Complete	Active
boudreau	boudreau	Base user	Complete	Active
bpilla	bpilla	Base user	Complete	Active
calcott	calcott	Base user	Complete	Active
caldone	caldone	Base user	Complete	Active
camila	camila	Base user	Complete	Active
chloe	chloe	Premium user	Complete	Active
cisco	cisco	Premium user	Complete	Active
conklin	conklin	Base user	Complete	Active
cswilson	cswilson	Base user	Complete	Active
daley	daley	Base user	Complete	Active
daniels	daniels	Base user	Complete	Active

Key Benefit: Easier user provisioning, improved security, and faster onboarding.



Reliability Strategies

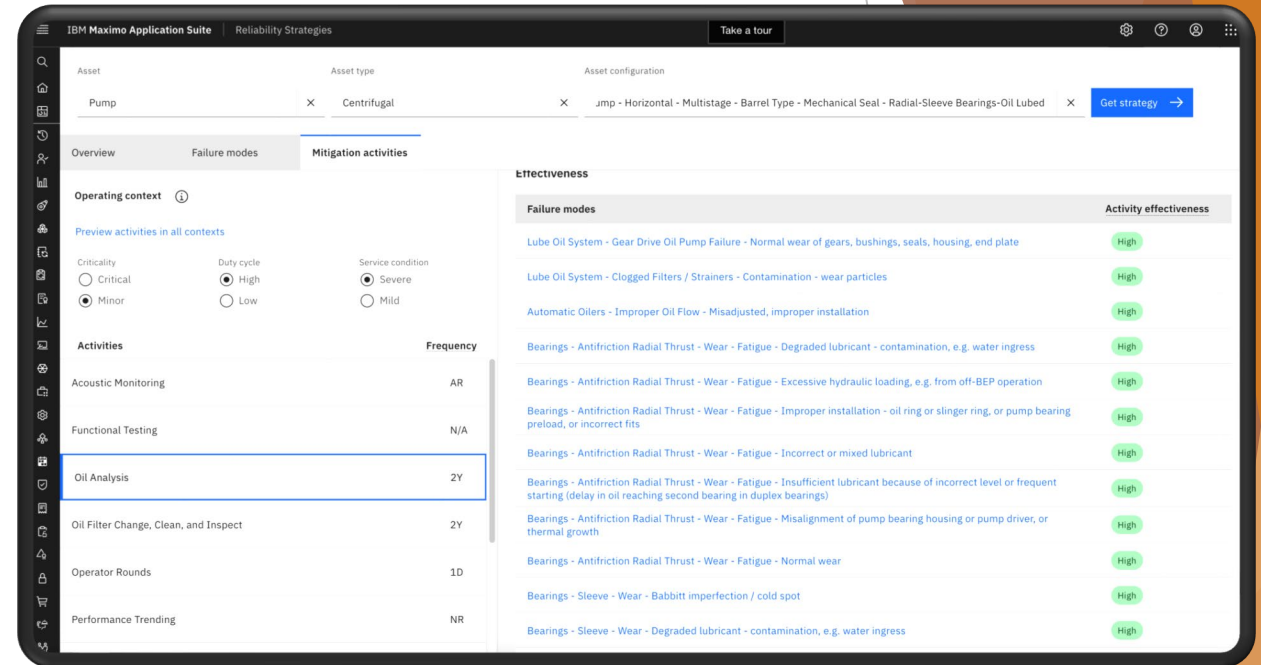
Maximo 7.6.1:

- ✓ **Traditional** asset hierarchy (parent-child structure).
- ✓ Failure code hierarchy
- ✓ Limited visualization of asset performance.

MAS:

- ✓ **Asset Performance Management (APM)** integration.
- ✓ **3D** asset visualization & Digital Twin compatibility.
- ✓ **IoT & AI-powered predictive maintenance** to reduce downtime.

🔍 **Key Change:** Asset insights are **real-time** rather than **reactive**.



Reliability Strategies

Failure Coding

Failure Codes

Find Failure Class

Find Navigation Item

Go To Applications

Available Queries

All Records

All Bookmarks

Common Actions

New Failure Code

Save Failure Code

Clear Changes

Create Report

More Actions

Copy Failure Hierarchy

Attachment Library/Folders

Duplicate Failure Code

Delete Failure Code

Add to Bookmarks

Run Reports

Cognos Analytics

Failure Class: BOILERS

Boiler Failures

Organization: EAGLENA

Attachments

Problems

Filter

1 - 1 of 1

Failure Code

Description

STOPPED

Stopped

New Row

Causes for STOPPED

Filter

1 - 3 of 3

Failure Code

Description

LOWVOL

Low Volume

LOWPRES

Low Pressure

BREAKTRP

Breaker Tripped

New Row

Remedies for LOWVOL

Filter

1 - 1 of 1

Failure Code

Description

INCWATER

Increased Water Level

New Row



Reliability Strategies

AI Driven Reliability and Failure Identification

IBM Maximo Application Suite

Reliability Strategies

Take a tour

Asset

Asset type

Asset configuration

Pump

Centrifugal

ump - Horizontal - Multistage - Barrel Type - Mechanical Seal - Radial-Sleeve Bearings-Oil Lubed

Get strategy →

Overview

Failure modes

Mitigation activities

Operating context ⓘ

Preview activities in all contexts

Criticality

Duty cycle

Service condition

☐ Critical

☒ High

☒ Severe

☒ Minor

☐ Low

☐ Mild

Activities

Frequency

Acoustic Monitoring	AR
Functional Testing	N/A
Oil Analysis	2Y
Oil Filter Change, Clean, and Inspect	2Y
Operator Rounds	1D
Performance Trending	NR

Oil Analysis

Preventative maintenance (PM) details

This task has the objective of ensuring equipment reliability and operability by maintaining high quality lubrication, detect wear in rotating components, and ensure that the oil remains clean and free of contamination. For CHM conditions the task, by itself, mainly addresses detecting degraded oil either from normal use, wear of other components, in-leakage of water from leaks in lube oil cooling heat exchangers or internal bearing coolers, or worn labyrinth seals. In a full PM program for CHM conditions, the failure is only marginally sensitive to the task interval.

Copy

Frequency

Labor hours

2Y

2

Job plan details

Oil Analysis should include:

- Analyze the oil for wear particles, contaminants, water, and lubricity qualities
- Check for signs of oil leakage.

The rows below consist of the Failure Locations and Degradation Mechanisms for which this task is expected to be reasonably effective. It is left up to the user to assemble these lists into a useful craft instruction:

- Should address: Automatic Oilers for: Improper oil flow
- Should address: Bearing Oil Slinger Ring for: Wear
- Should address: Bearing Seals - Labyrinth for: Wear
- Should address: Bearings - Antifriction Radial Thrust for: Wear - fatigue
- Should address: Bearings - Sleeve for: Wear
- Should address: Breather Caps & Sight Glass Vents for: Clogged
- Should address: Gaskets & O-Rings for: Leaks caused by deformation
- Should address: Gaskets & O-Rings for: Leaks caused by degraded material properties
- Should address: Gaskets & O-Rings for: Leaks caused by erosion
- Should address: Lube Oil for: Degraded



Wrap Up

Feature	Maximo 7.6.1	Maximo Application Suite (MAS)
Start Center	Portlets, static KPIs	Modern, interactive tiles & real-time KPIs
Navigation	Menu-driven	Role-based Work Centers, AI-powered search
Scheduling	Manual Gantt charts	AI-assisted scheduling & real-time updates
Work Orders	Multi-step updates	Streamlined UI, fewer clicks, AI integration
Assets	Hierarchical, static	IoT-enabled, real-time monitoring, Digital Twin
Locations	Form-based	GIS integration & geolocation
Users	Manual security groups	OpenShift IAM with SSO

Maximo Application Suite (MAS) modernizes EAM:

- ✓ Cloud-first, AI-driven, and containerized for scalability.
- ✓ **Simplified navigation** improves efficiency.
- ✓ **AI-powered scheduling & asset insights** reduce downtime.
- ✓ **OpenShift IAM integration** for easier, more secure user management.



Thank YOU!

Questions

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