

What can you do now in Maximo 7.6 to prepare for Maximo Application Suite

MAXIMO 7.6.1.X END OF SUPPORT – 9/30/2025
<8 MONTHS TO GO; ARE YOU READY?

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IBM CHAMPION 2024/2025

Agenda

- Background Info
- Leverage REST API and Automation Scripts
- Authentication – SAML
- Upgrade to 7.6.1.3 and why
- Integrity Check



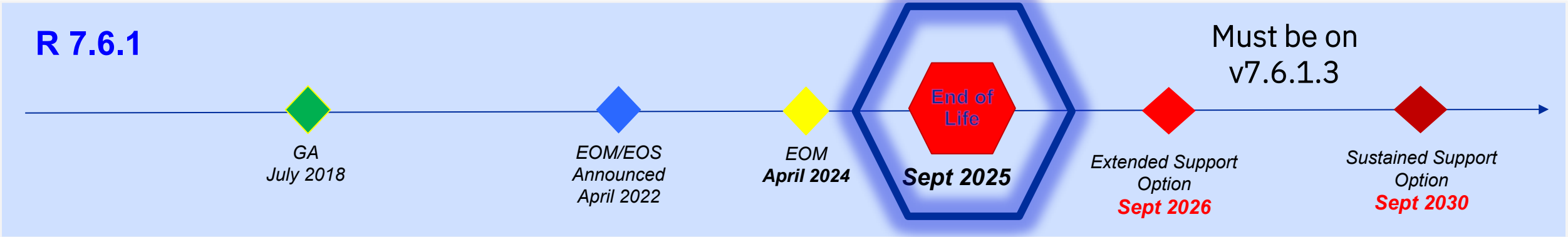


- Delivering Maximo Managed Solutions since 1999
- Manage 450+ Total Maximo Environments Daily
 - Includes 75+ Maximo Application Suite (MAS) Environments
- [Global partner network](#)



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



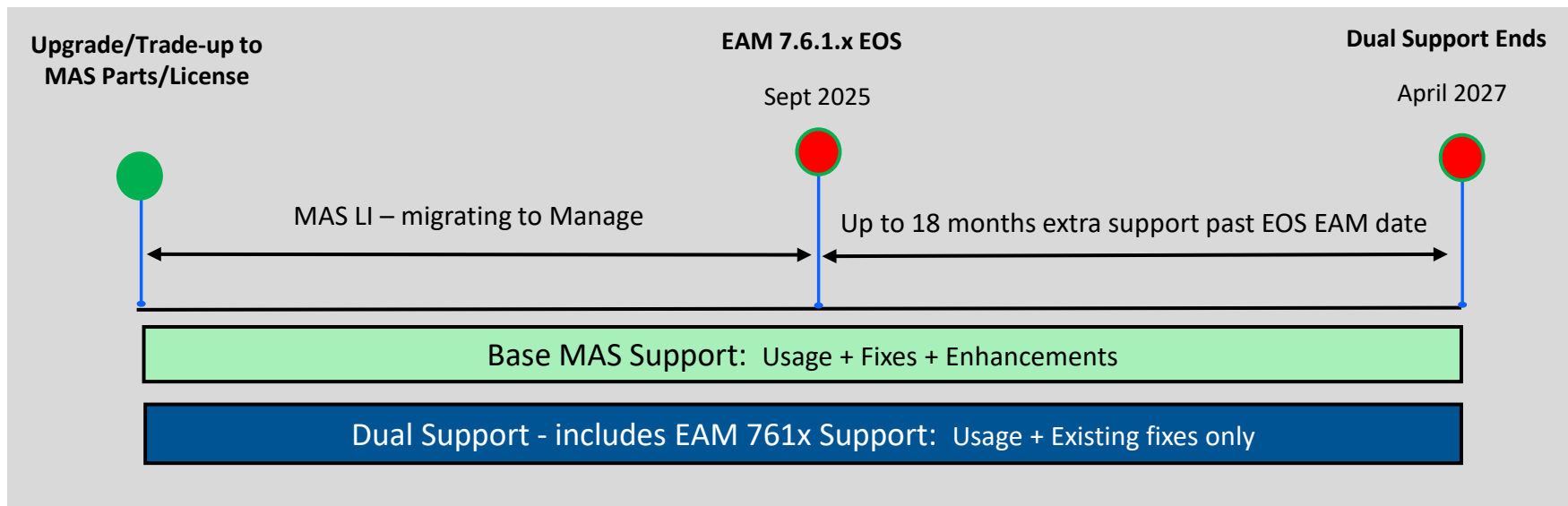
IBM Extended Support: Enables clients continued access to IBM Support for "how to" questions, usage issues, known defects published in IBM Fix Central, and new critical sev1 defects (no security fixes) after IBM standard support ends for 7.6.1.x.

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

Customers on Maximo Application Suite License Agreement

Maximo EAM 761x Dual Support in MAS

- For customers that have moved to MAS parts and LI commercially and are in the process of migrating to Manage.
- **Dual Support for both EAM 761x 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 761x 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.



Typical Timeline – Maximo EAM to MAS

300+ days									Live on K8s
Acquire K8S skills (180+)	MAS 8.x Dev/test env (30)	Data migration testing (30-60)	Functional testing (10-20)	Non-functional testing (10-20)	Integration testing (TBD)	End-user testing (5-10)	Production cut over testing (5)	User/data transition to 8.x (30-60)	EAM 7.x EoL, Decommission EAM 7.x (30)
Activity	Estimated (Days)	Comments							
Acquire K8S skills	180+	As needed but could be longer to be self sufficient to maintain a production grade system							
MAS 8.x Dev/test	30	To learn new version of MAS and assess dev/test requirements and risks							
Data migration testing	30-60	Depends on amount of data stored in MAS and type and number of integrations to other systems for data <u>xchange</u>							
Functional testing	10-20	Depends on functional test cases and resource availability							
Non-functional testing	10-20	Depends on NFRs							
Integration testing	TBD	Depends on number and type of integration between MAS and other systems							
End-user testing	5-10	Assuming migration tasks are complete, but can vary							
Production cut over testing	5	This is additional testing as needed to validate cut over from 7.x to 8.x							
End-users transition to MAS 8.x	30-60	Users may need time to transition from 7.x to 8.x depending on completion of data and integrations completed in 8.x or per organizational policies to allow transition timeline							
Estimated total	300 – 350+								

IBM Presentation Link: <https://tinyurl.com/IBMSWMUG2024EAMtoMAS>

Leverage REST API and Automation Scripts

- Get away from triggers, stored procedures and other external code that updates Maximo data
 - Leverage [Automation Scripts](#)
- USE [APIKEYS](#) now in integrations – no need to wait for MAS
 - Maximo Video: <http://tinyurl.com/UseAPIKeysNow>
 - Maximo Doc: <https://tinyurl.com/RestAPIGuide>
 - IBM REST Video: <https://tinyurl.com/ibmrestapi>
 - IBM REST Doc: <https://tinyurl.com/IBMRESTAPIGuide>
- Use COTS functions wherever possible over scripting
 - Extend PM's with existing function
 - Reassign W.O. Owners from list to do large groups

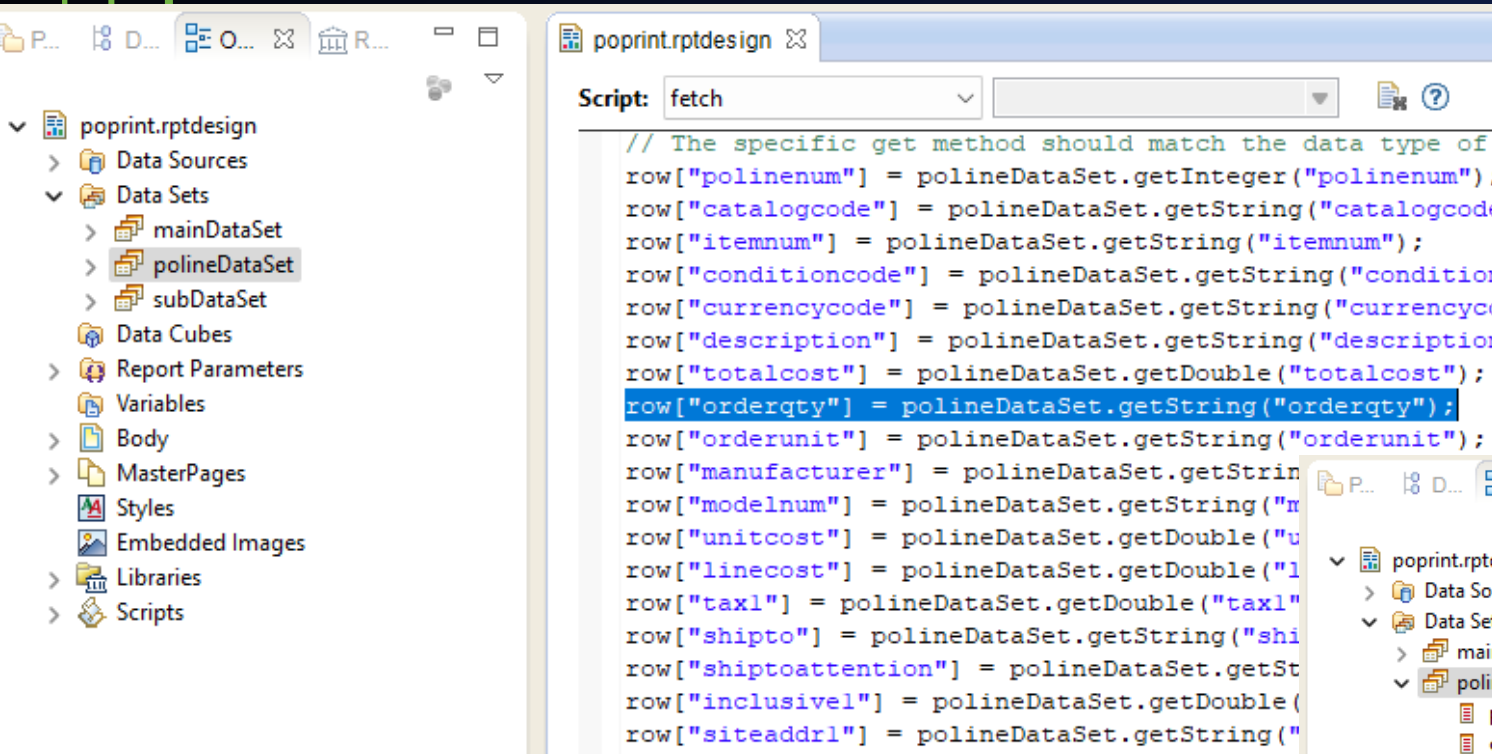
Authentication – SAML – the new cloud standard with MFA

- Authentication – Switch to SAML esp. for Multi-factor Authentication (MFA)
 - Evaluate your authentication REQUIREMENTS
 - (SAML, LDAP or Native)
 - LDAP generally requires direct access to Active Directory (a big IT security risk)
 - SAML authentication is the new cloud standard
 - Multi-factor authentication can be leveraged with most SAML identity providers
 - Choose Mobile and add-ons that support SAML authentication
 - SAML Identity provider examples: Okta, Active Directory Federation Services, Auth0, MS Entra ID, & more

Upgrade to 7.6.1.3 and why

- You can upgrade from 7.6.0.10, 7.6.1.2, or 7.6.1.3 but...
- 7.6.1.3 has the Same BIRT version (4.8.0) as Manage
 - Increased “Sensitivity” so some 7.6.1.2 reports will break
- Most ready version to upgrade to MAS
- Extended Support requires the last supported fixpack for 7.6.1.3

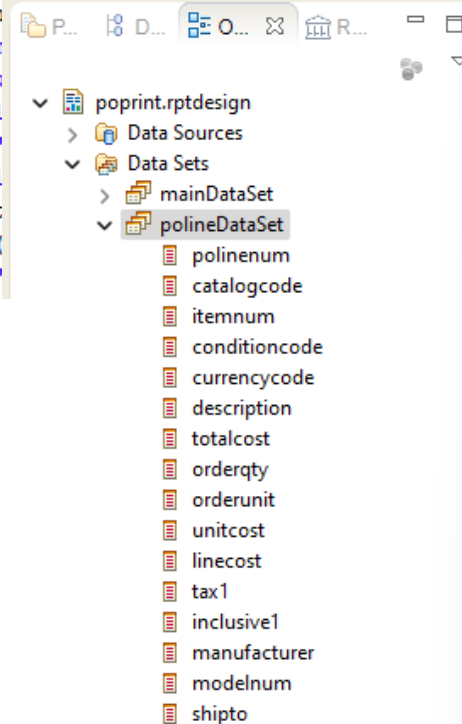
BIRT 'Sensitivity issues'



The screenshot shows the BIRT Report Designer interface. On the left, a tree view displays the report structure: popprint.rptdesign, Data Sources, Data Sets (mainDataSet, polineDataSet, subDataSet), Data Cubes, Report Parameters, Variables, Body, MasterPages, Styles, Embedded Images, Libraries, and Scripts. The main editor area shows a script named 'fetch' with the following code:

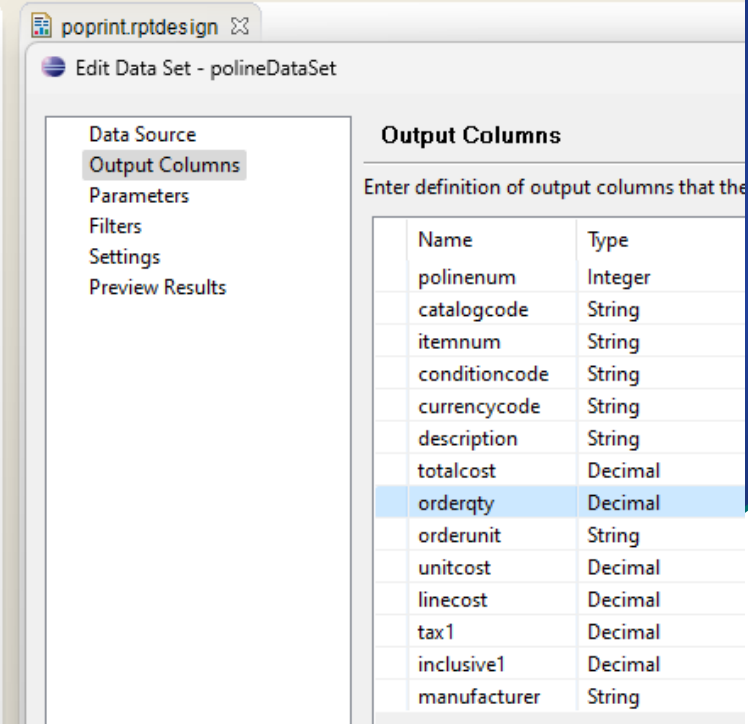
```
// The specific get method should match the data type of
row["polinenum"] = polineDataSet.getInteger("polinenum");
row["catalogcode"] = polineDataSet.getString("catalogcode");
row["itemnum"] = polineDataSet.getString("itemnum");
row["conditioncode"] = polineDataSet.getString("conditioncode");
row["currencycode"] = polineDataSet.getString("currencycode");
row["description"] = polineDataSet.getString("description");
row["totalcost"] = polineDataSet.getDouble("totalcost");
row["orderqty"] = polineDataSet.getString("orderqty");
row["orderunit"] = polineDataSet.getString("orderunit");
row["manufacturer"] = polineDataSet.getString("manufacturer");
row["modelnum"] = polineDataSet.getString("modelnum");
row["unitcost"] = polineDataSet.getDouble("unitcost");
row["linecost"] = polineDataSet.getDouble("linecost");
row["tax1"] = polineDataSet.getDouble("tax1");
row["shipto"] = polineDataSet.getString("shipto");
row["shiptoattention"] = polineDataSet.getString("shiptoattention");
row["inclusive1"] = polineDataSet.getDouble("inclusive1");
row["siteaddr1"] = polineDataSet.getString("siteaddr1");
```

The line `row["orderqty"] = polineDataSet.getString("orderqty");` is highlighted in blue, indicating an error. The error message states: "The specific get method should match the data type of".



The screenshot shows the 'Edit Data Set - polineDataSet' dialog box. The 'Output Columns' tab is selected, showing a list of columns and their data types:

Name	Type
polinenum	Integer
catalogcode	String
itemnum	String
conditioncode	String
currencycode	String
description	String
totalcost	Decimal
orderqty	Decimal
orderunit	String
unitcost	Decimal
linecost	Decimal
tax1	Decimal
inclusive1	Decimal
manufacturer	String
modelnum	String
shipto	String



The screenshot shows an 'Exception' dialog box with the following message:

There was an exception on the server. Check your report parameter values, or contact your system administrator, who can find additional details in the server log.

Buttons: OK, Cancel

Integrity Check – Run today and in 1 month

- Integrity checker

- Run in 'Report' mode
- Address errors – especially autokey, database structure and many others. Here are a couple examples:

BMXAA0443E -- Error - BMXAA0538E -- Column BUDGETRULE.BUDGETRULENUM is mapped to AutoKey BUDGETRULE, but the autokey does not exist.

BMXAA0442W -- Warning - BMXAA0498W -- The following columns are defined to be 'same-as' , but have different must-be settings. Go to the Database Configuration application and fix the mismatch.

- Compare results between the runs

Reference Links

- [Upgrade checklist – this has the reference to the customization archive](#)
- [Upgrading from Maximo Asset Management to IBM Maximo Manage](#)
- [Upgrading from Maximo Asset Management to IBM Maximo Manage pdf version](#)
- [Moving from EAM to Manage Blog](#)
- [What's new with Maximo Manage 8.0 - 8.7](#)
- [Application Suite 8.8 and later – continuous delivery model](#)
- [Customization Standards](#)
- [Classname Prefixes for Industry Solutions](#)
- [MAS Authentication options](#)
- [Maximo Application Suite Admin APIs 8.11.x](#)
- [IBM REST API Guide](#)
- [Maximo Automation Script Wiki](#)
- [MAS 8.11 – Multiple Identity Providers](#)
- [Generating Entity Relationship Documents 7.6.x \(ERDs\)](#)
 - [MAS ERD](#)
- [Role Based Applications – Work Orders](#)
- [Role Based Applications – Operational Dashboard](#)
- [Navigation differences – Manage vs. 7.6.x](#)
- [Maximo Application Suite Update: A look at 2024 and beyond \(v9!\)](#)
- [Prepare for MAS: Utilizing S3 Storage for Attached Documents in 7.6.1](#)
- [Join the IBM Maximo Product Updates Group](#)
- [IBM Maximo Product Updates Group – for Members](#)
- [Navigating 7.x End of Support](#)
- [Projotech's Lift & Shift Methodology](#)

QUESTIONS?