IBM Maximo Asset Management V7.6 Overview

December 12, 2014

Matt Logsdon

IBM Maximo – Historical Releases

Maximo V7.1
(May 2008) ⟶ Maximo V7.5
(Apr 2011) ⟶ Maximo V7.6
(Dec 12, 2014)

IBM End of
Support for V7.1
Is April 30, 2015

IBM Maximo V7.6 Release Announcement Letter

IBM United States Software Announcement
214-477, dated December 9, 2014

IBM Maximo Asset Management V7.6, IBM Maximo for Service Providers V7.6, and IBM Maximo industry solutions V7.5.x Interim Feature Release 1 deliver extended capabilities for asset management

Link To IBM Maximo 7.6 Announcement Letter

2

IBM Maximo V7.6 Download is on Passport Advantage

Cohesive Information Solutions

Software and services online >

Software download & media access

| **Download software** | **Request media** | **Preferences** | **Help** |

IBM Maximo Asset Management Authorized User License + SW Subscription & Support 12 Months (D0GX6LL)

Version	7.6.0	change
Operating system	Windows Server 2012 Standard	change
Language	English	change

Download

Include:

- ☑ Required: 1 files (1711MB)
- ☐ Recommended: 8 files (15285MB)
- ☐ Optional: 33 files (16671MB)
- ☐ Documentation: 1 files (1MB)

❋ What do I need to download?

Note: All file sizes are approximate.

Select individual files   +

IBM Maximo V7.6 Release Announcement Letter

Release Date: December 12, 2014 (Today!)

- IBM Maximo Asset Management V7.6

- IBM Maximo for Service Providers V7.6

- IBM Maximo Industry Solutions and Add-on Products on the most current versions of V7.5.x will be supported as compatible with IBM Maximo V7.6.

IBM Maximo V7.6 – Summary of New Features

Cohesive Information Solutions

User Interface

- New look and feel (new UI skin)
- Left hand navigation with GoTo and Selection Action
- StartCenter – Supports multiple objects per Result Set
- Searchable Menus, Select Actions and Saved Queries
- User definable "Hover Dialog"
- One Click to Return All Records in List View
- Multiple "Inline Icons" for data fields
- New Approach to Breadcrumbs
- Improved Record Locking via a new Edit Mode feature

Functionality

- Crews, Crew Types, Crew Application
- Includes Service Address & Map Manager with support for Public Map API (Google Maps, Bing Maps and Esri)
- Log Tab added to Quick Reporting, PR's and PO's
- Improved handling of Labor Transactions across Time Zones

IBM Maximo V7.6 – Summary of New Features (cont)

Reporting and KPI's

- Business Intelligence Pack & Entitlement to Cognos V10.2
- Comes with a new version of BIRT (V4.3.1)
- New Calculations and Summaries feature in Maximo Adhoc Reporting
- Additional BIRT Report export options for XLS
- Ability to cancel a BIRT report no matter where it is in the process
- BIRT Performance improvements through BIRT Reporting Only Reporting Server (BROS) and configurable stop limits
- Improved KPI Manager
- New KPI Viewer and KPI Template applications
- Individual KPI Scheduling
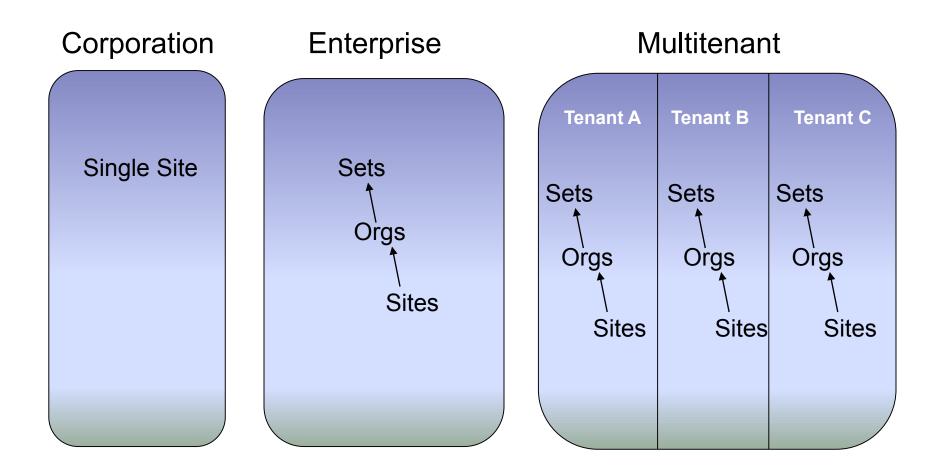- Security extended to KPI's

Technical enhancements

- Support for Multi-Tenancy (MT) – DB2 Only. Initially Industry Solutions will not support MT.
- Expanded Platform Support
- Enhanced Automation Scripting
- Better (simplified) Installation Process with progressive disclosure

Licensing

- New definition for Limited Users
- No cost Maximo Everyplace licenses for each Maximo entitlement – Essential a no-cost mobile solution for connected users.

Evolution of Maximo from Single Instance to Multi Tenant

Corporation

Enterprise

Multitenant

Single Site

Sets

Orgs

Sites

Tenant A

Sets

Orgs

Sites

Tenant B

Sets

Orgs

Sites

Tenant C

Sets

Orgs

Sites

IBM Maximo Asset Management – V7.6

- **Focus on User Experience** – new look and feel, expanded start center configuration options

- **Analytical insights through Reporting, KPI's and Dashboards** improved performance, increased user access and better tools to monitor the health of your business

- **Functional Enhancements** improved crew management and service addresses to support maps

- **Technology Improvements –** expanded install and platform support

- **Built-in Mobility Capabilities –** through Everyplace

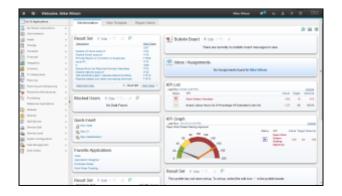**Expanded capabilities to support business intelligence**

Intuitive navigation for users

Increased Serviceability
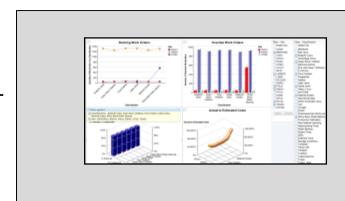
IBM Maximo Asset Management – V7.6

USER EXPERIENCE

- A new look introducing updated fonts, colors and styling of applications
- Application navigation (nested view) and Breadcrumbs across top.
- Hover dialog provides additional field information
- Startcenter –multiple objects per result set
- Record Locking options, Improved Date/Time calculations across timezones in Labor Transactions/PM's
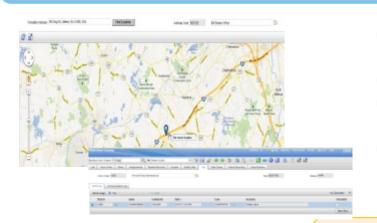
FOCUS ON REPORTING AND KPI's

- Executive dashboards with Metric Reports and Metric Workspace Displays
- Performance improvements in reporting solutions
- Set a limit on the number of records presented from an Ad-hoc report so users aren't waiting for results for a long time.
- New KPI Template and KPI Viewer Applications
- Individual KPI scheduling
- Ability to add calculations to ad-hoc reports

IBM Maximo Asset Management – V7.6

FUNCTIONAL ENHANCEMENTS

- Capabilities to support Crews including Crew types and a Crew application
- Service Addresses for Assets & Locations
- Public Map API and Application Designer for the Map Control (Google, Bing, ESRI)
- Introduce Log tab in Quick Reporting, PR and PO applications

INVESTMENT IN TECHNOLOGY

- IBM Install Manager for a consistent user experience across installation of IBM offerings
  - Automation of common configuration scenarios, such as middleware re-configuration, ID and password changes, and language deployment
  - Better installation and configuration help and progressive disclosure
  - Enablement for future capabilities such as fix pack and hot fix deployment
- Support for multiple tenants in a single environment
- A broad choice of supported technologies to best meet your requirements. (Middleware/OS/Browsers)
- Scripting Enhancements that expands to other customizations points of the objects and attributes and integration framework, including endpoints, object structures and exits

Improving the User Experience

| Delivering Client Value	Responding to Changing User needs

Improve navigation and ease of use for customer satisfaction
 	
Streamline work processes for increased productivity
 	
Minimize the need for user training with more intuitive navigation
 	
Add flexibility into how users access information
	Updated Look and Feel
	    User Interface styling changes with a new skin
	    List tab changes
	    Goto Menu and Start Center buttons
	
	New Navigation Options
	    Side Navigation option
	    Hover Dialogs
	    Multiple detail icons per field
	Record Locking options by application
	Start Center Improvements – multiple objects per result set
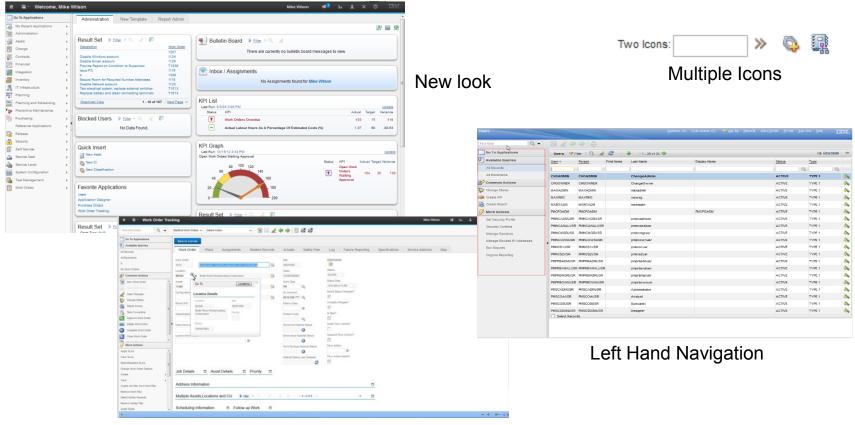
Examples:
- Create Dialogs that appear over a field to provide details like full name, phone number and email address when hovering over a field like employee ID.
- Configure start center results sets to include data from multiple related records, like including planned labor information along side the corresponding workorder header details.
- Allow users to put a record in edit mode blocking other users from making changes to that record.
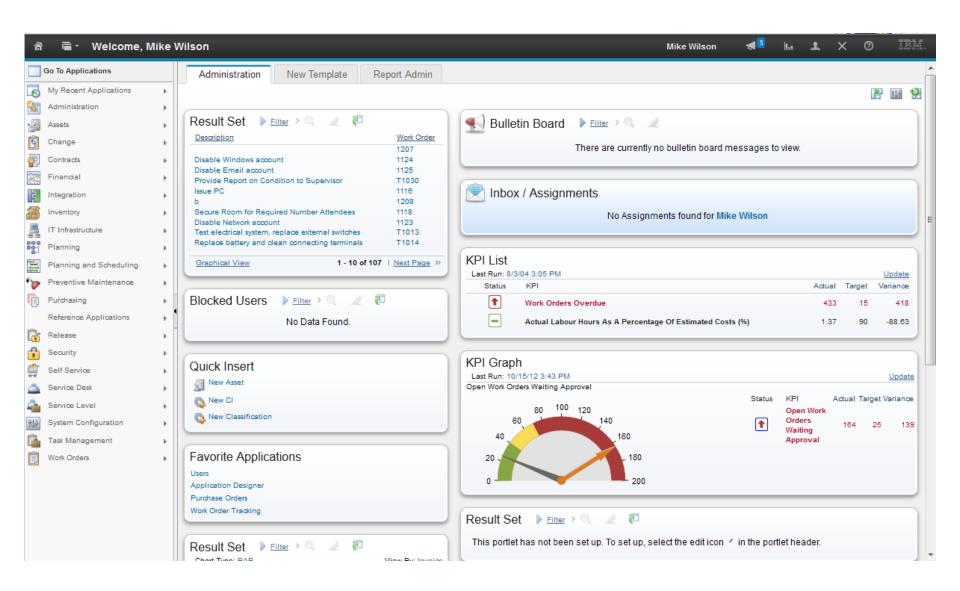
Improving the User Experience

- Introduction of a new look and feel, more intuitive navigation, providing more information to the user, and offering more configuration of the start center will allow for reduction of training costs and increased user satisfaction.
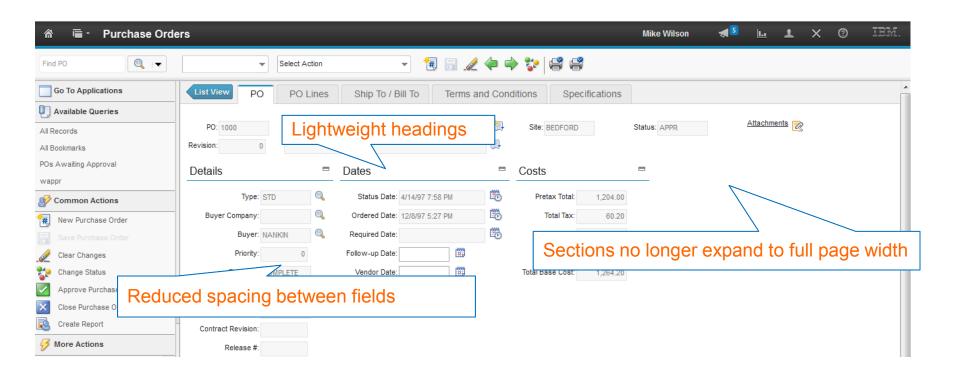

New look

Multiple Icons

Left Hand Navigation

Hover Dialogs

User Interface styling changes - new skin (tivoli13)

User Interface styling - apps

Lightweight headings
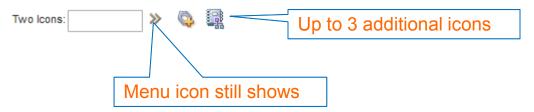
Sections no longer expand to full page width

Reduced spacing between fields
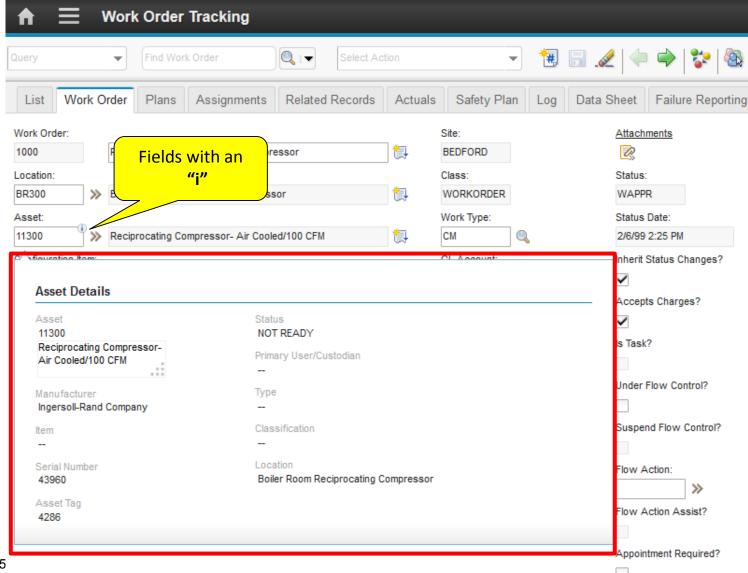
Provide the ability to have multiple detail icons on a single field to allow single quick access to frequently used actions.

Two Icons:

Up to 3 additional icons

Menu icon still shows

Hover Dialogs provide detailed information quickly

Record has been Updated by Another User…..!

System Message

⚠ BMXAA8229W - Record WORKORDER : Site=BEDFORD Work Order=5012 has been updated by another user. Your changes have not been saved. Refresh the record and try again. More information

OK

Arrrggh …not again!
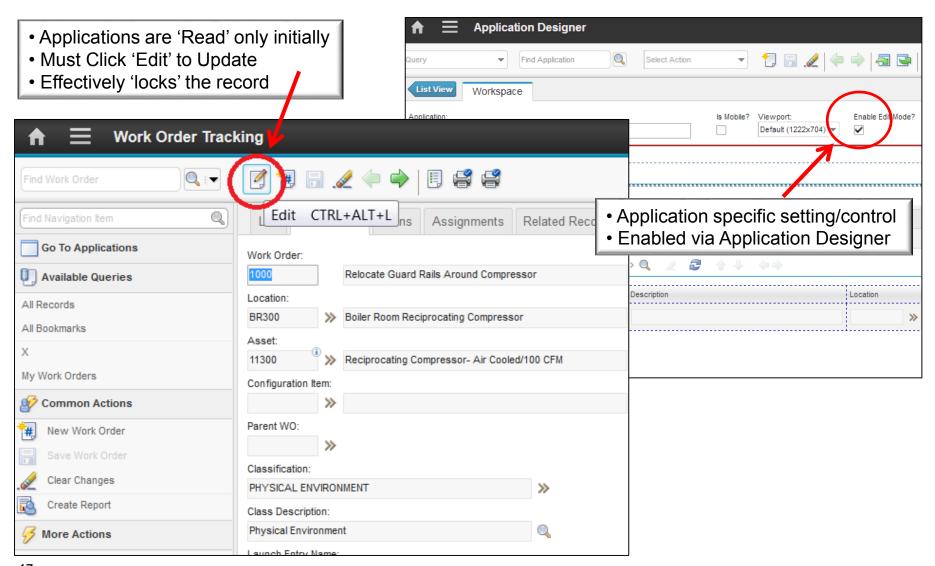
Enabling Exclusive Edit Mode to prevent record conflicts

- Applications are 'Read' only initially
- Must Click 'Edit' to Update
- Effectively 'locks' the record

- Application specific setting/control
- Enabled via Application Designer

Configuration level of new UI elements

	System	Group	User	Application
Side Navigation	X	X	X	
Field Label Position	X			
Skin	X			
List Tab Behavior	X			
Hover Dialogs				X
Inline Menu Buttons				X
Exclusive Edit Mode				X

IBM Maximo Everyplace Embedded

Allows users to access any existing IBM Maximo application on an iPhone, iPad, iPod touch, Android or other supported device without installing anything on those devices

Maximo Everyplace enables users to:

● Shorten the lag time between an event's occurrence and the recording of that event in the system. there's no need to wait until they get back to their desk to enter or retrieve data.

● Increase accuracy of data in the system by allowing them to enter information while it's fresh in their minds.

● Offer convenient, targeted access to Maximo for workers who don't regularly sit at a desk or use a desktop computer.

Functionality to extend Asset Management capabilities

| Delivering Client Value	Responding to Changing User needs
• Visually identify assets and work orders on a map for a better geographic perspective of ongoing work. • Log tabs available in additional applications provides the ability to clearly capture communications related to a process provides visibility to history and improved tracking.	• Support for Crews and Crew types • Service Addresses for Assets & Locations • Public Map API and Application Designer for the Map Control (Google, Bing, ESRI) • Introduce Log tab in Quick Reporting, PR and PO applications • WSCHED as selectable WO status • Workflow delegation chaining • Time Zones (labor transactions) • Edit Mode to prevent change conflicts • Everyplace availability
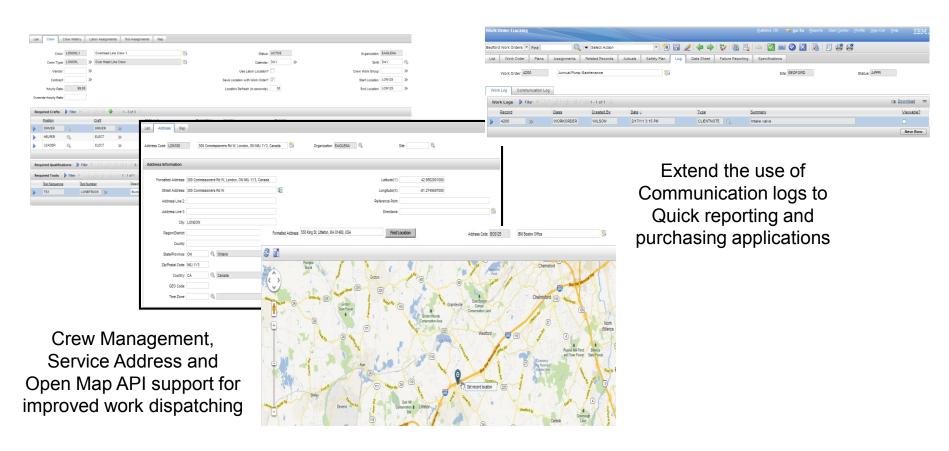
Examples:
- Options for defining a crew of individuals allow a planner to generically schedule rather than accommodate each individuals availability.

- Ability to capture details about an asset or locations location so it can be displayed on a map.

- Insert comments when communicating with a requestor about details of a requested part so it can be referenced downstream.

Invest in asset management capabilities

- Provide additional capabilities for better assignment of work as well as respond to customer enhancement requests.

Extend the use of Communication logs to Quick reporting and purchasing applications

Crew Management, Service Address and Open Map API support for improved work dispatching

Gain Insights through Business Intelligence Features

Delivering Client Value	Responding to Changing User needs
Supports better business decisions and operational improvement through out of the box workspaces and metrics answering key questions across Work, Asset and Inventory processes: Provide improved reporting and KPI performance increasing client satisfaction. Additional flexibility in self service type reporting allows calculated values and aggregate summaries for additional insight into data Provide additional KPI configuration options thru end user access, individual scheduling, and communication logs	**Cognos** • Entitlement to Cognos version 10.2 • Provide Cognos Trending workspaces and reports • Maximo Site restrictions at meta data level **BIRT** • New calculations and summaries in ad hoc reports • BIRT Upgrade • Performance improvements thru BROS and configurable stop limits • 100% cancel a report regardless of where it is in the process • Additional export file options. 3 xls options can configure which are available to users. **KPI's** • New KPI Template application streamlining admin creation maintenance • New KPI Viewer application improving end user visibility, understanding and collaboration • Individual KPI scheduling and communication logs

Examples:
- Provide the ability to individually schedule KPI's providing users information when they need it.
- Support enterprise and ad hoc reports from a dedicated report server to improve performance. Define report stop limits to minimize report performance impacts
- Apply site and set restrictions to Cognos meta data published from Maximo so users creating or executing reports in Cognos only see data they have access to
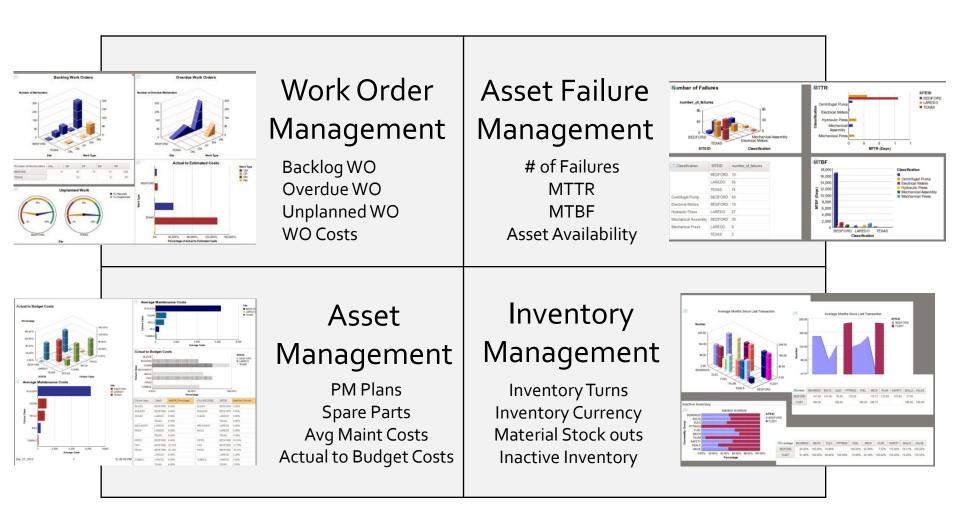
IBM Maximo V7.6
Additional Business Intelligence Features

Cognos	Upgrade	Localization	Meta data Restrictions
BI Packs	Content	Historical Data	Trending
BIRT	BROS Updates	Upgrade	Performance

Four Areas of Focus

Work Order Management

Backlog WO
Overdue WO
Unplanned WO
WO Costs

Asset Failure Management

of Failures
MTTR
MTBF
Asset Availability

Asset Management

PM Plans
Spare Parts
Avg Maint Costs
Actual to Budget Costs

Inventory Management

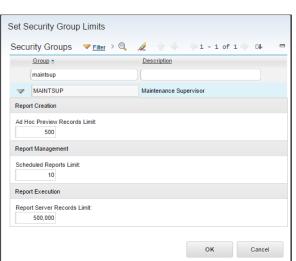Inventory Turns
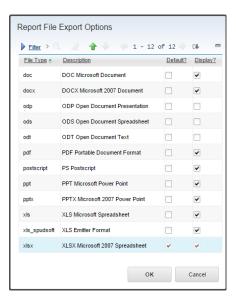Inventory Currency
Material Stock outs
Inactive Inventory

NEW! BIRT Features
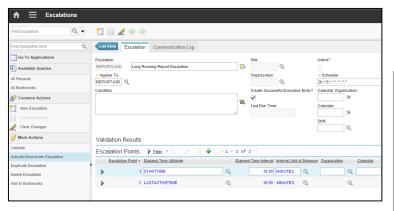
1. Enhanced architecture for report only server (BROS)

2. Automated notification of Long Running reports thru Escalations

3. Additional Email Export File Options -> file size, graphs

4. Configurable file format export options from Report Viewer

5. Addition of report server limits to prevent massive report execution

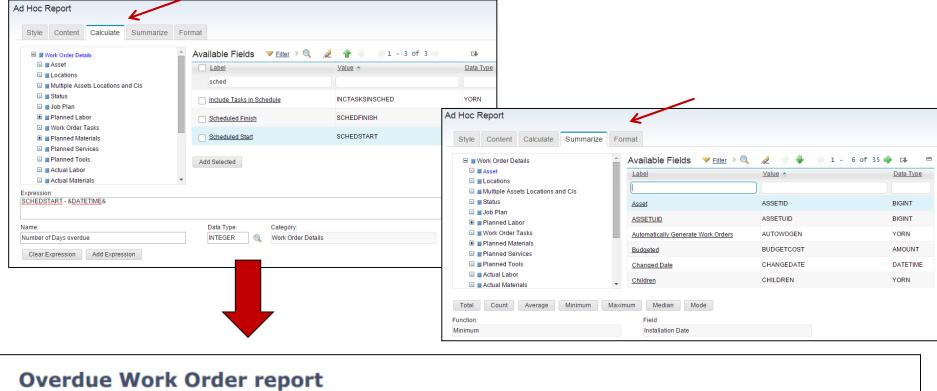6. Updates to Direct Print with Attachments process to reduce wait time

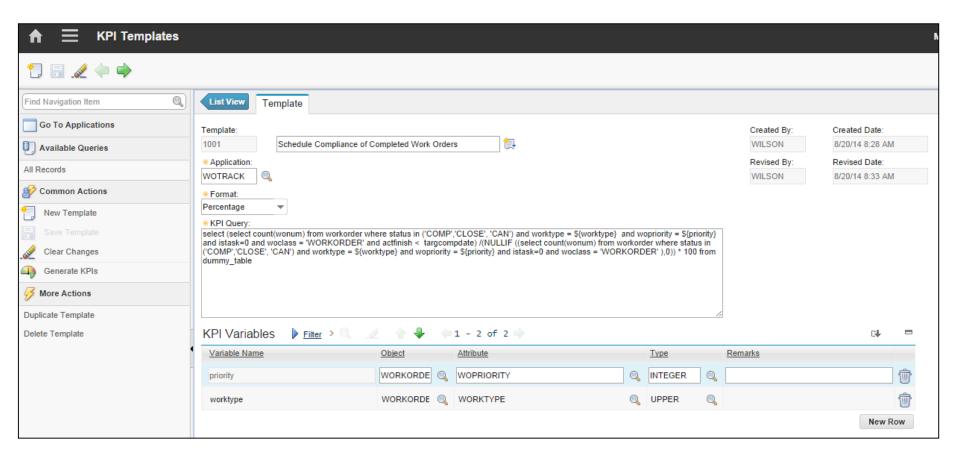# NEW! User Defined Calculations and Summaries for Ad-Hoc reports

NEW! Maximo V7.6 KPI Template Application

Streamlines creation/maintenance of KPIs for *Administrators*

Technology

Delivering Client Value	Responding to Changing User needs
Install technology consistent with other IBM products lead to reduced administrative training time.	▪ Automation of common configuration scenarios, such as middleware re-configuration, ID and password changes, and language deployment
Reduced costs for hosting environment management with the ability to manage multiple tenants in a single environment.	▪ Better installation and configuration help and progressive disclosure
Improvements to system interaction and cron task performance increases productivity and overall customer satisfaction.	▪ Support multiple tenants in a single environment supporting lower cost of ownership for hosting partners.
New integration options	▪ Administrative and serviceability items – log separator, Maximo Monitoring
Expanded Scripting Options	▪ OSLC Integration Support
	▪ Deliver Scheduler performance improvements
	▪ Scripting support for Object Structures, Publish Channels and Enterprise Services

Examples:
- Administrators use the same technology when installing many of IBM's solutions including Maximo, middleware and databases reducing training time.
- Support latest version of middleware and expand browser options to include Chrome.
- Serviceability improvement wherein custom log messages are injected into log files for easier isolation of a test block within the log file
- Connection leak prevention improves server resiliency to long running connections.
- Better utilization of resources through cron task load balancing options.

Multi Tenancy Capabilities

- **Separate Install Package within Passport**
  - One time choice – cannot move between MT and Non-MT
  - Cannot upgrade into an MT enabled environment
  - Support for DB2 only
- Reduced administrative overhead for Hosting scenarios
- Template data supports the ability to quickly onboard new tenants and encourages best practices
- Provides true separation of data and configurations between 'tenants' within the same instance of Maximo
  - Allows individual tenant business processes and screen designs
  - Robust data security (no cross visibility)
- Overall improvements to performance due to potentially expediential increase in users

Editing rules for template data

	Global Admin	**Tenant Manager/Tenant**
Workflow, Crontask, Communication Templates	Provides templates	Can modify tenant copy or create new.
System Properties	Editable (system level, non-tenant specific) Default for tenant level	Can modify tenant level. System level not visible or read only
Reports	Provides common reports	Can modify tenant copy of common, or create new.
Configuration – objects, attributes, domains, presentations	Defined for entire system	Limited modification on attributes, extend with new attributes, modify or create domains, Modify UI presentations
Administrative – Security, GL Config, Orgs/Sites/Sets		Managed by each tenant

Upgrade

- Upgrade will be available at the time of release

- Maximo 7.5 Industry Solutions and add-ons will be certified to run-on Maximo 7.6 non-MT enabled (May require an incremental patch level)

- Supported Migration Paths

  - 7.1.1.12 -> 7.5.0.6 -> 7.6
  - 7.1.1.13 -> 7.5.0.7 -> 7.6
  - 7.5.0.6 -> 7.6
  - 7.5.0.7 -> 7.6

  Here are some possible routes that clients could update from 7.5.0.0

  - 7.5.0.0 -> 7.5.0.1 -> 7.5.0.6 -> 7.6
  - 7.5.0.0 -> 7.5.0.1 -> 7.5.0.2 -> 7.5.0.3 -> 7.5.0.4 -> 7.5.0.5 -> 7.5.0.6 -> 7.5.0.7 -> 7.6
  - 7.5.0.1 -> 7.5.0.6 -> 7.6
  - 7.5.0.1 -> 7.5.0.7 -> 7.6

Platform Support – Maximo 7.6

	Supported	Deprecated
OPERATING SYSTEMS	AIX 7.1 Windows Server 2012, 2012 R2 Red Hat Enterprise Linux 6,7 (x86-64 & zLinux) SUSE Linux Enterprise Server 11 (x86-64 & zLinux) **NOTE: SOLARIS or HP-UX and 32-bit Linux versions are no longer supported**	AIX 6.1 HP-UX 11i v3 Solaris 9,10, 11 Windows Server 2003, 2008, 2008 R2 Red Hat Enterprise Linux 5, 6 SUSE Linux Enterprise Server 10 ,11
DATABASES	IBM DB2 10.1, 10.5 (Workgroup and ESE) Oracle 11g Rel2, 12c Microsoft SQL Server 2012	IBM DB2 ESE 9.5, 9.7, 9.8 Oracle 10g Rel2, 11g Rel1, RAC 10g Microsoft SQL Server 2008, 2008 R2
BROWSERS	Internet Explorer 8, 9 Internet Explorer 10, 11 (standards mode) Mozilla Firefox 31 Google Chrome 36 Safari 7 (MAC only) JRE 1.7.0 fix pack 55, 65	Internet Explorer 7.0 Mozilla Firefox 3.6, 4.0, 10.0, 17.0, 24.0
Application Servers	IBM WebSphere 8.5, 8.5.5 Oracle WebLogic Server 12c JDK 1.7.0	IBM WebSphere 7.0, 8.0 Oracle WebLogic Server 10.3.3
REPORTING	BIRT 4.3.1 Cognos Business Intelligence Enterprise 10.2.1	

IBM Maximo V7.6 Links

- [IBM Maximo 7.6 Announcement Letter](#)
- [IBM 7.6 Q&A Blog](#)

Future Maximo 7.6 Web Events from Cohesive

- Session 1:   Maximo 7.6 Overview (Todays Session)

- Session 2:   Maximo 7.6 Reporting and KPI Changes

- Session 3:   Maximo 7.6 Configuring Hover Dialogs and In-line Icons

- Session 4:   Maximo 7.6 Displaying Multiple Objects on a Start Center Result
                          & Enabling Edit Mode

- Session 5   Maximo 7.6 Using Map Manager and Service Addresses

- Session 6:   Maximo 7.6 Automation Script Enhancements

- Session 7:   Maximo 7.6 MIF Enhancements

- Session 8:   Maximo 7.6 Changes in Installation Procedures and
                          Migration Manager

IBM Maximo V7.6