



# Maximo Product Update

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## Pulse2011

The Premier Service Management Event

**Optimizing the World's Infrastructure**

February 27–March 2 Las Vegas, Nevada

## Please note:

- IBM's statements regarding its plans, directions, and intent are subject to change or withdrawal 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.
- 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.



# Maximo - Asset Management for a Smarter Planet

Transportation  
Assets

Facilities

Production  
Equipment

IT Hardware  
& Software

Communications  
Infrastructure

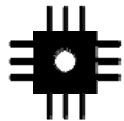


A smaller, flatter, faster and  
“smarter” planet



**THE CHALLENGE:** more complexity in assets and processes, more capabilities required, more reliance on management systems

**THE OPPORTUNITY:** More insight and collaboration, more efficiency, growth and profit, more innovation



INSTRUMENTED



INTERCONNECTED



INTELLIGENT



## Maximo's role in a Smarter Planet:

- The IBM system to manage intelligent assets
- Leveraging asset intelligence to maximize their business value
- Reducing the cost of managing and operating intelligent assets

## How Maximo does this:

- Visibility, control, and automation across IT and operational infrastructure
- Optimized operational and IT processes to achieve more with less
- Managing both the asset and the service to deliver customer value



# Development Principle: Drive Higher Customer Value

## Objectives

- [Enhance Maximo](#) best-in-class capabilities and solutions
- [Drive innovation](#) with input from customer groups, advisory councils and business partners
- Continue to produce [High Quality](#) products; leverage customer input during every step of the development cycle
- [Protect customer investment](#); upgrades to future Maximo versions
- Commit to [Open Standards](#): J2EE, SOA
  - both IBM and non-IBM platform components



# Maximo Development Focus

- Continue to Enhance Version 7 core capabilities, architecture, platform and technology
- Incremental Features and Value-add capabilities to extend Version 7
- Expand deep Industry Solution functionality and new Growth areas such as:
  - Intelligent Buildings
  - Safety, Risk and Compliance
  - Facilities Management/Space Planning
- Leverage IBM products and technology

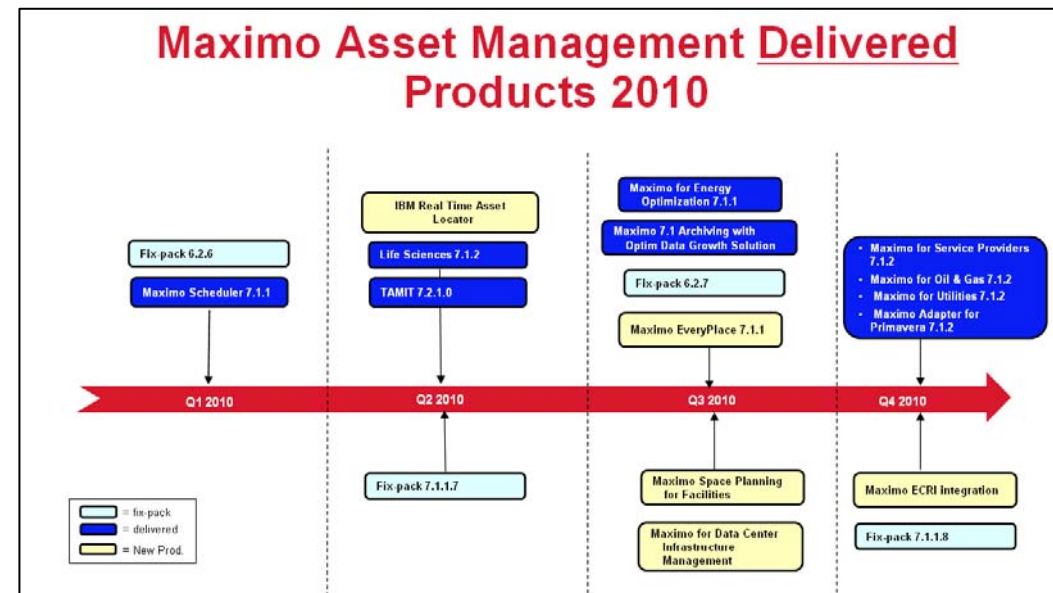


# 2010 Roadmap Highlights

*We had a very busy year.....*

- **9 Product Releases**

- Improvements to 4 add ons
  - Scheduler
  - Archiving
  - Everyplace
  - Primavera Adapter
- Improvements to 5 Industry Solutions
  - Service Provider
  - Internal Service Provider
  - Oil and Gas
  - Utilities
  - Life Sciences



- **4 new products released**

- Maximo for Space Planning
- Maximo for Data Center Infrastructure Management
- Maximo Real Time Asset Locator
- Maximo Everyplace

- **New Maximo Content added and available for download**

- Maximo ECRI integration for Healthcare

Note: Other content for download includes, Maximo FileNet integration and Maximo ITM for monitoring



# Maximo Space Planning for Facilities Management

Integrated Computer Aided Facilities Management (CAFM) with Maximo Asset Management to address the challenges faced by Facilities Managers:

- Increased emphasis on employee mobility and flexibility
- Total cost of occupancy is an organization's 2nd largest cost
  - Reduce costs by managing occupancy levels
  - Track energy costs based on building usage/occupancy

## Key Capabilities

- *Space Design, Management & Accounting*
- *IT Infrastructure Management*
- *LAN and telecom information*
- *Move Management*
- *Occupancy Management*
- *Business continuity and safety information*
- *Mechanical, Electrical, Plumbing*
- *Lock & Key Management*
- *Building Infrastructure Management*
- *Business Resumption/Contingency Planning*
- *Hazardous Condition Tracking*



Moving from  
Facilities Maintenance  
to  
Facilities  
Management



# Maximo Data Center Infrastructure Management

Visualizes and manages the physical infrastructure of the data center including IT and non-IT assets, facilities, space, power, cabling and network connectivity.

## Highlights

- ✓ Visualize data center space, including top view and rack elevation view
- ✓ From visual representation drill into details of a specific location, asset or equipment
- ✓ View point-to-point connectivity of data center assets and equipment
- ✓ Plan Moves, Adds and Changes based on space and power capacity, and heat dissipation
- ✓ Scenario planning to determine future configurations
- ✓ Integration with Tivoli Asset Management for IT allows exchange of asset data and leverages workflow engine from data center drawings
- ✓ Reduce operational costs and mitigate risk by enabling more optimal use of the data center infrastructure
- ✓ Provide facilities and data center management a common view of the infrastructure

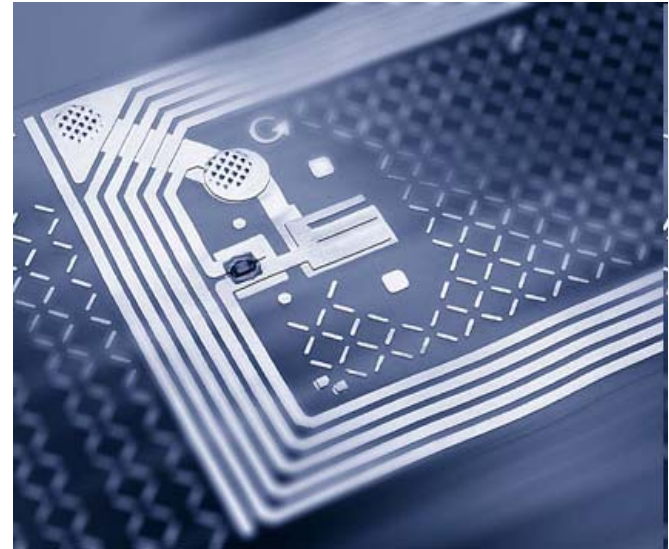
The screenshot displays the Maximo Data Center Infrastructure Management interface. On the left, the 'Rack Information' window shows details for Rack ID 2262, including Owner (Global Services), Manufacturer (IBM), Model (93074RX), Serial (532262DCX93), Ownership (Owned), Install date (14112009), Site (Buena Vista), Building (B), Floor (G), Room (G613), Status (Active), Max RU (42), Used RU (33), Avail RU (9), Max Pwr (1200), Used Pwr (200), and Avail Pwr (1000). The right side shows a rack elevation view for Rack 2262 and Rack 2261, displaying server units, PDU-2262, and PDU-2261. The interface includes a toolbar with icons for search, zoom, and other navigation functions.





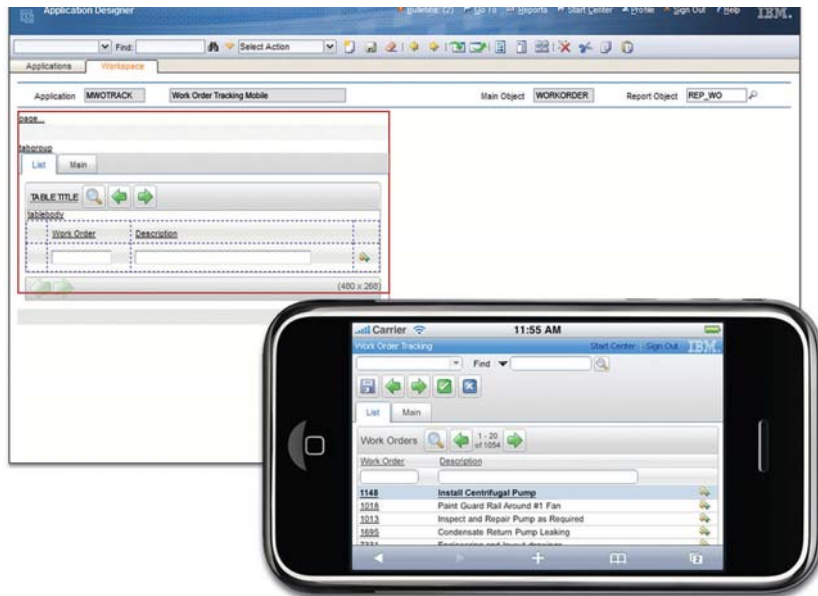
# Real-time Asset Locator

- IBM Maximo Real-time Asset Locator allows Maximo customers to manage and trigger Asset events based on the real-time location of an asset from within the Maximo Asset Management
- IBM Maximo Real-time Asset Locator provides Maximo clients the ability to access the location of assets using RFID and other supported real-time location technologies. Support for multiple sensor solutions (Ultrasound, RFID, WiMax, etc.)
- Improves compliance support in highly regulated markets where events must be triggered based on locations.
- In highly regulated industries, like Healthcare and Life Sciences, the location of assets may trigger specific service management and disposition rules



# IBM Maximo Everyplace

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



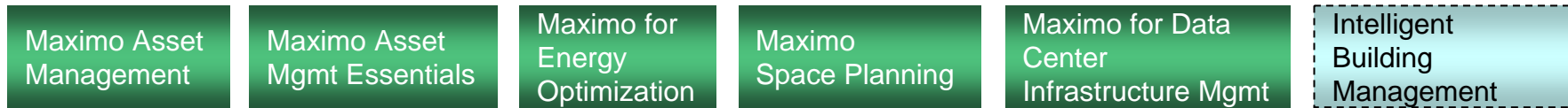
## Maximo Everyplace enables users to:

- 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.



# Product Portfolio – 2011

## Core Solutions



## Industry Solutions



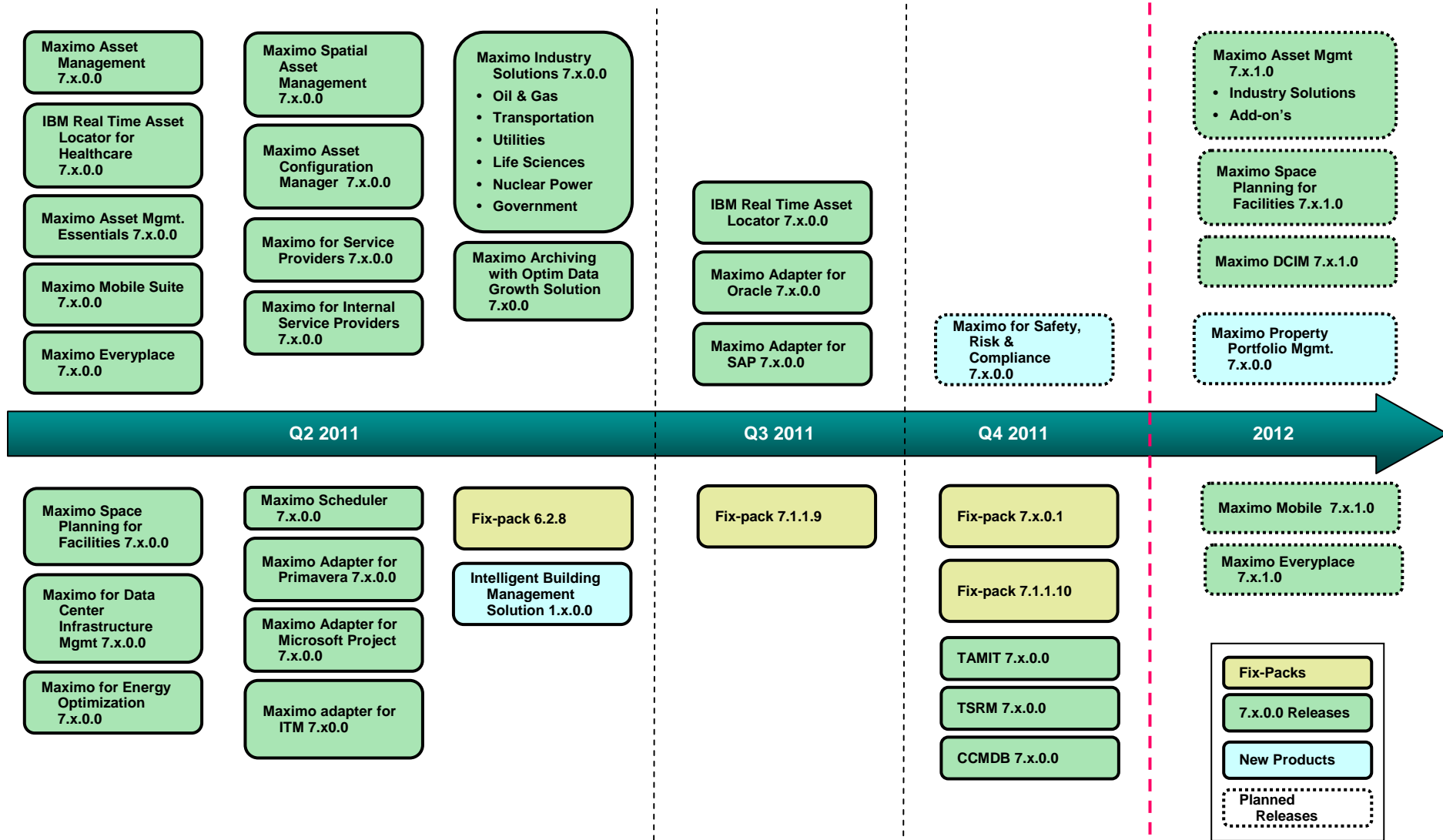
## Add-On Solutions



Safety Risk & Compliance

Specific content is subject to change.

# 2011 Asset Management Product Roadmap



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# What's Next?.....

## Maximo 7.x !



# Maximo 7.x – 3 Major Areas of Focus

## 1. New & Enhanced Supply Chain Management

- PO/PR/RFQ/Invoicing
- Inventory/Receiving

- Expanded Capabilities
- Customer Driven Requirements
  - Satisfy Functional gaps
  - Improved Usability/Maintainability
  - Address Integration/ERP

## 2. Return on Investment

- Automation Scripts
- Application data Import/Export
- Enhanced Migration Manager
- Usability & Performance

- Additional Configuration
- Lower Cost of Implementation
- Lower Cost of Ownership
  - Easier to configure & support

## 3. Continued Leadership and Innovation in EAM

- Enhanced Work & Asset Management
- Linear Asset Visual Control

- Deep Vertical Functionality
- Improved End-User interaction



# Maximo 7.x (Q2 2011) – Expanded Footprint

Asset Management	Work Management	Materials Management	Purchasing	Contract Management	Service Management
Locations • <b>Repair Facilities</b> Asset <b>Asset Templates</b> Failure Codes Linear Assets • <b>Visual Control</b> Condition Monitoring Meters Meter Groups	Job Plans • <b>Revisioning</b> Routes Service Requests Work Order Tracking • <b>Assignment Tab</b> • <b>Hard/Soft Reservations</b> • <b>Repair Facilities</b> Safety Quick Reporting Labor/Crafts Tools Preventive Maintenance • <b>PM Forecasting</b> Master PM Assignment Manager	Item Master Storerooms Inventory • <b>Inventory Usage</b> • <b>LIFO/FIFO Costing</b> • <b>Consignment</b> • <b>Transfer via Shipment</b> • <b>Default Costing</b> Condition Codes Stocked Tools Service Items	Request for Quotation Receiving Receiving Inspections <b>Shipment Receiving</b> Purchase Requisitions • <b>Invoices</b> • <b>Invoice Reversals</b> Purchase Orders • <b>Revisioning</b> • <b>Receipt Tolerance</b> Desktop Requisitions	Purchase Contracts Master Contracts Warranty Contracts Lease/Rental Contracts Labor Rate Contracts • <b>Premium Pay Rates</b> Payment Schedules	<b>Service Groups</b> <b>SLA Management</b> Change Management • <b>Incidents</b> • <b>Problems</b> • <b>Changes</b> • <b>Releases</b> • <b>Solutions</b>

**Enhanced Workflow – Event Driven, Context-based / Escalation Manager**

**KPIs / Reporting/ Ad-hoc Reporting / Cognos Integration**

**Security/Administration/Configuration – Automation Scripts, Migration Manager**

**Integration/Web Services – Import & Export direct from applications**







## Maximo 7.x Highlights

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# Maximo 7.x Technical Platform

Developed on current R7.1 Architecture:

- J2EE based Enterprise Application
  - Web Application Interface for users to access Maximo applications via Browser
  - Fully configurable from presentation content to the business logic
  - Configurable Authentication (Database based or LDAP based)
  - Integration mechanisms via Web Services, JMS, HTTP, EJB, XML files, Flat files and Interface tables in database
  - Built-in reporting using BIRT/Cognos/TCR and support for integration with customer's reporting systems
- Supported Application Servers
  - IBM WebSphere Server
  - Oracle WebLogic Server
- Supported Database Platforms
  - DB2
  - Oracle
  - SQL Server



# Maximo 7.x Planned Platform Updates

## Updated:

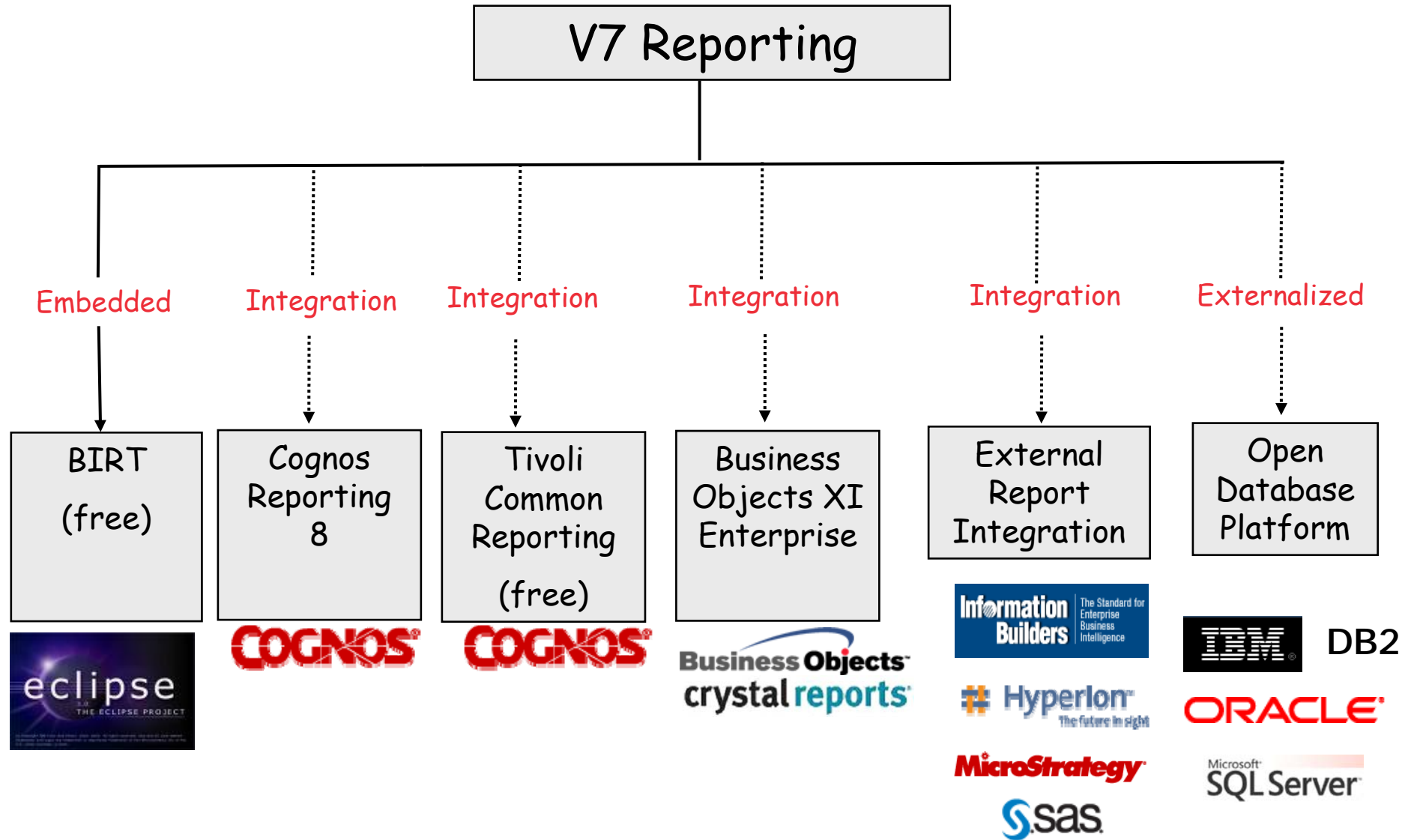
- Operating Systems
  - AIX 7.1
  - RHEL 6
- Database
  - DB2 9.7
  - DB2 9.8
- Application Servers
  - Websphere Server 7
  - Weblogic Server 10.3
- LDAP
  - Tivoli Directory Server 6.3
  - Windows Server AD 2008 R2

## Deprecated:

- Operating Systems
  - AIX 5.3
  - RHEL 3
  - RHEL 4
  - SLES 9
  - All Linux 32 bits flavors
- Database
  - DB2 8.2
  - DB2 9.1
- Application Servers
  - WebSphere 6.1



# Maximo Open Report Architecture



# Maximo 7.x Reporting Enhancements

- Give the User the ability to copy an Ad Hoc Report and Edit it (add/delete fields) as needed
- Implement Report Schedule Limits by Security Group
- Direct Print with Attachments property added in V6. Equivalent Property value added for BIRT in V7.
- Enable localization of Report Object Structures (ROS) Values - Cognos Packages – as seen to the end user within Report Studio or Query Studio
- Enable report emails to be sent via links instead of pdf, xls attachments (new Report Viewer application)
- Report Schedule Limits Report Administration Report
- Enable Rich Text Formats to display in BIRT Reports
- Enable direct launch to Cognos from applications
- Additions/Deletions of Report Design files to provide continued value-add for clients (updated for 7.x application enhancements)



## Solutions addressed with Release 7.x

- *Business plans change, Users make mistakes, 'stuff' happens throughout the Supply Chain Management process...*
- **Examples:**
  - Submitted PO needs quantity adjustment or change item numbers: *PO Revisioning allows user to modify, resubmit and retain history of original PO*
  - Shipment is received, recording the receipt with incorrect packing slip number: *User can now Void Receipt, Receipt Quantity Tolerance can prevent incorrect amounts from being received (saves time and reduces data entry errors)*
  - Vendor Invoice was entered and approved, later it was discovered unit price for an item was incorrect: *Action to Reverse Invoice, backs out approved invoice, user can duplicate, make corrections and approve*



## Solutions addressed with Release 7.x

- *Business plans change, Users make mistakes, ‘stuff’ happens throughout the Supply Chain Management process...*
- Examples:
  - Some of the Items we issue require inspections and approval before delivering the order: *Inventory Usage streamlines the process, supports workflow for issues & transfers, staged and shipped items, multiple assets/bins per line.*
  - We need more flexibility with how we manage the cost of our inventory items...more like what we can do in our ERP system: *‘New’ costing method added to allow for valuation at actual receipt costs on a LIFO or FIFO basis*
  - Our work schedules are tight, we need to make sure reserved parts are available when we need them: *Issues and transfers can now be defined as either ‘Hard or Soft’ reservations...a ‘hard’ reservation blocks the reserved quantity from being available for other requests*





# Solutions addressed with Release 7.x

- *Customers are pushing their maintenance staffs to be more efficient and require processes that support these efforts....*
- Examples:
  - I need to enter a dozen of the same type of asset, it's painful to have to enter them each individually and making updates to them later on is just as bad: [Asset templates](#) *can be used to create multiple assets or to update multiple existing assets with common asset information*
  - Frequently a truck from one of our other sites pulls in and needs maintenance while they are here: [Repair Facility locations](#) *enables work orders & PM's to be completed for Assets from different sites*
  - We have stringent controls on when a Job Plan can be changed and we need to retain history: [Job Plan Revisioning](#) *can be enabled, each previous version is kept for full history and compliance*
  - We need to look ahead at our PM's scheduled dates: [PM Forecasting](#) *tab allows generating forecasted PM dates, dates can be changed or re-forecast as necessary*



# Repair Facilities

The screenshot displays the 'Work Order Tracking' application interface. At the top, there is a navigation bar with 'Buletins: (0)', 'Go To', 'Reports', 'Start Center', and 'Profile'. Below this is a search bar with 'Find:' and a 'Select Action' dropdown. A series of tabs are visible: 'List', 'Work Order', 'Plans', 'Assignments', 'Related Records', 'Actuals', 'Safety Plan', 'Log', 'Data Sheet', 'Failure Reporting', and 'Specifications'. The main content area is divided into several sections:

- Work Order Information:** Includes fields for 'Work Order: 1177', 'Quarterly trailer inspection', 'Location: ATLTERM', 'Atlanta Domocile Terminal', 'Asset: T1002', '1997 Utility 53ft Trailer', 'Configuration Item', 'Parent WO', 'Classification', 'Class Description', and 'Launch Entry Name'.
- Repair Facility Information:** Includes 'Repair Facility: BEDFORD' and 'Bedford Repair Facility', and 'Repair Facility Site: BEDFORD'. This section is highlighted with a red box.
- Site Information:** Includes 'Site: FLEET' and 'Class: WORKORDE'. This section is also highlighted with a red box.
- Material Status:** Includes 'Storeroom Material Status', 'Direct Issue Material Status', and 'Work Package Material Status'.
- Attachments and Status:** Includes 'Attachments', 'Status:', 'Status Date:', 'Inherit Status Changes?', 'Accepts Charges?', 'Is Task?', 'Under Flow Control?', 'Suspend Flow Control?', 'Flow Action:', and 'Action Assist?'.
- Job Details:** Includes 'Job Plan', 'Job Plan Revision #', 'PM', and 'Safety Plan'.
- Asset Details:** Includes 'Asset Up?' (checked), 'Warranties Exist?', 'SLA Applied?', and 'Charge to Store?'.
- Priority:** Includes 'Asset/Location Priority: 2', 'Priority', 'Priority Justification', and 'Risk Assessment'.

Two yellow callout boxes provide additional context:

- A callout box points to the 'Site: FLEET' field with the text: "Site for the Work Order and Asset".
- A callout box points to the 'Repair Facility: BEDFORD' field with the text: "Site where the work is done".

The Windows taskbar at the bottom shows the 'start' button, several open applications (Micro..., Lotus..., Adobe..., schedule, Total BP..., Micros...), the system clock (1:41:06), and the 'Work Ord...' application window.

# Solutions addressed with Release 7.x

- *The user spends lots of time in Maximo and does a lot of data entry, they asked us to:*
  - “Anticipate what I will need next and present it to me (don’t make me hunt for it)”
  - “Don’t let me make avoidable errors”
  - “Help me to complete my tasks in as few steps as possible”
  - “Don’t slow me down when I’m on a roll”
  - “My eyes are bad, sometimes I can’t read the screen”
- What’s coming?
  - Improved [Table window](#) refresh behavior
  - Enabled [‘heads down’ data entry](#) (asynchronous validation)
  - [Browser zoom](#) enabled, users can zoom in (ctrl+) or zoom out (ctrl-) of application screens
  - Faster [date/time look up](#) (new calendar control)
  - [Rich-text editor](#) (can format text the way they want to see it)



# Table Window

Work Order Tracking

Bulletins: (0) Go To Reports Start Center Profile Sign Out Help

Find: Select Action

List Work Order Plans Assignments Related Records Actuals Safety Plan Log Data Sheet Failure Reporting Specifications

Work Order: 1150 Emergency Generator Overhaul Site: BEDFORD

Parent WO: >>

Children of Work Order 1150 Filter 0 - 0 of 0

Sequence Record Record Class Summary

...No rows to display...

Select Assets Select Locations Select Work Orders New

Tasks for Work Order 1150 Filter 7 - 12 of 15

Sequence	Task	Summary	Duration	Status	Owner	Owner Group
70	Check battery posts, cables for tightness.		0:30	WAPPR	>>	>>
80	Check heat exchangers.		0:12	WAPPR	>>	>>
90	Place control switch on each control board to		0:11	WAPPR	>>	>>
100	Check V-belts, deflection 9/16 to 13/16 in..		0:12	WAPPR	>>	>>
110	Clean entire unit.		1:00	WAPPR	>>	>>
120	Remove and clean air induction filters.		0:18	WAPPR	>>	>>



# List page

Work Order Tracking

Bulletins: (0) Go To Reports Start Center Profile Sign Out Help

Find: Select Action

List Work Order Plans Assignments Related Records Actuals Safety Plan Log Data Sh

Advanced Search Save Query Bookmarks

Work Orders Filter 61 - 80 of 395

Work Order	Description	Location	Asset	St	W	W	W	W
<u>2001</u>	Ventilation Fan - Check-out Noise	SHIPPING						
<u>2002</u>	Stop Guard on Shipping Dock	SHIPPING						
<u>2003</u>	Scale Calibration on Dock Mis-reading	SHIPPING						
<u>2004</u>	Feeder Jammed	BPM3100	13110					
<u>2005</u>	Check-out Leaking	BPM3100	13145					
<u>2006</u>	Check-out Alignment of Steel Support Bracket	BPM3100						
<u>2007</u>	Air Filter - Check-out	BOILER						5 BEDFORD
<u>2008</u>	<i>Fire Door Cable Broken</i>	<i>BOILER</i>						<i>8 BEDFORD</i>
<u>2009</u>	Ventilator in Boiler Room Making Noise - Check-out	BOILER						5 BEDFORD
.3000	New fall 97 outage							0 BEDFORD

When I save a record and go back to the List, the result set is still in the state I left it until I hit refresh.

Records that have been touched are Italicized to indicate they have changed



# 'Heads down data entry' (Asynchronous Validation)

The screenshot displays the 'Work Order Tracking' application interface. At the top, there is a navigation bar with 'Bullets: (0)', 'Go To', 'Reports', 'Start Center', and 'Profile'. Below this is a search bar with 'Find:' and a 'Select Action' dropdown. A menu bar contains tabs for 'List', 'Work Order', 'Plans', 'Assignments', 'Related Records', 'Actuals', 'Safety Plan', 'Log', 'Data Sheet', 'Failure Reporting', and 'Specifications'. The main form area shows fields for 'Work Order: 1176', 'Location: [red X]', 'Asset:', 'Configuration Item:', 'Parent WO:', 'Classification:', 'Class Description:', 'Launch Entry Name:', 'Repair Facility:', and 'Repair Facility Site:'. To the right, there are fields for 'Site: BEDFORD', 'Class: WORKORDE', 'Work Type:', 'GL Account: 6210-325-??', 'Failure Class: BOILERS', 'Problem Code:', and various material status fields. A yellow callout box points to the 'Location' field, containing the text: 'You entered: booler', a red X icon, and 'BMXAA2661E - Location BOOLER is not a valid location. Click "Edit My Value" to change the value you entered or "Go Back" to the value that was there before.' Below the callout are 'Edit My Value' and 'Go Back' buttons. At the bottom, there are sections for 'Job Details' and 'Asset Details'. A yellow speech bubble at the bottom right contains the text: 'I can enter data at my own pace, and address errors and warnings when I want to'.





I can enter text in the format that I want on a Maximo screen. I don't need to rely on attachments for rich-text formatting.

- Long Descriptions, Communication Templates and Displays in BIRT reports

The screenshot shows a 'Long Description' window in Maximo. The title bar reads 'Long Description'. The main content area contains the following text:

Boiler- 50,000 Lb/Hr/ Gas Fired/ Water Tube

**PROBLEM: Boiler Produces No Heat**

**Possible Causes**

- Boiler has no power
- Water level is low
- Pilot or electronic burner ignition malfunction
- Thermostat malfunction

**Possible Repairs**

- [Circuit breaker](#) or [fuse](#) controlling the furnace is [tripped or blown](#). [Reset tripped](#)
- Maintain water level at half full. The boiler's automatic filling system using the maintaining a 12-15 psi pressure. If you do not have a pressure reducing valve feed valve until boiler pressure reaches 12 psi.
- Natural gas or propane control valve to boiler burner is closed.
- Pilot light is out. [Relight standing pilot](#).
- Troubleshoot [electronic ignition](#) system if boiler has no standing pilot.
- Check that thermostat is in **heat mode** and has appropriate temperature setting.
- Try moving thermostat setting for temperature up or down a few degrees.
- [Troubleshoot thermostat](#).

A red box highlights the rich text toolbar at the top of the window, which includes icons for undo, redo, cut, copy, paste, bold, italic, underline, strikethrough, bulleted list, numbered list, indent, outdent, link, unlink, image, table, and a text color picker. Below the toolbar are dropdown menus for Font, Size, and Format (set to None).

A yellow callout bubble points to the toolbar and contains the following list:

- Flexible Fonts
- **Bold**, *Italics*, Underline, etc.
- Character Sizes
- Bullets
- Colors and Highlighting
- URL links
- Supports copy/paste from Word, etc.

At the bottom right of the window are four buttons: Reset, Clear, OK, and Cancel.





# Displays in reports

Reporting IBM

Page 1 of 1

**Tivoli software**

**Asset Details**

11400: Boiler- 50,000 Lb/Hr/ Gas Fired/ Water Tube  
**PROBLEM: Boiler Produces No Heat**

Possible Causes

- Boiler has no power
- Water level is low
- Pilot or electronic burner ignition malfunction
- Thermostat malfunction

Possible Repairs

- [Circuit breaker](#) or [fuse](#) controlling the furnace is [tripped or blown](#). [Reset tripped circuit breaker](#). Replace [blown fuse](#).
- Maintain water level at half full. The boiler's automatic filling system using the pressure relief valve should maintain proper water level by maintaining a 12-15 psi pressure. If you do not have a pressure reducing valve you can also manually feed the boiler by oping up the water feed valve until boiler pressure reaches 12 psi.
- Natural gas or propane control valve to boiler burner is closed.
- Pilot light is out. [Relight standing pilot](#).
- Troubleshoot [electronic ignition](#) system if boiler has no standing pilot.
- Check that thermostat is in **heat mode** and has appropriate temperature setting.
- Try moving thermostat setting for temperature up or down a few degrees.
- [Troubleshoot thermostat](#).

Enabled Rich Text Formats to display in BIRT Reports

Site: BEDFORD	Type:	Calendar: COMPANY1
Status: NOT READY	Priority: 5	Shift:
Maintain Hierarchy? N	Serial Number: 66392	Failure Class: BOILERS
Parent:	Location: BR400	Condition Code:
Parent Description:	Location Desc: Main Boiler- 50,000 Lb/Hr	Group Name:

Purchase Details									
Vendor	Manufacturer	Install Date	Warranty Exp Date	Purchase Price	Replace Cost	Total Cost	YTD Cost	Budget Cost	Inventory Cost
<a href="#">BWC</a>	BWC	5/31/94	11/29/99	131000.00	225000.00	114765.00	4865.00	5000.00	0.00

Downtime			
Asset Up?	Total Downtime	Changed By	Changed Date
1	4.666666666666667	WILSON	2/22/11 9:15:52 PM

Sub Assemblies			
Asset	Asset Description	Location	Location Description
11460	Burner, Gas Fired- For Boiler	BR460	Burner, Gas Fired- For Boiler

2/22/11 9:27 PM 1 / 1

## Solutions addressed with Release 7.x

- *Maximo is pretty configurable, but there's always things to improve...*
- **Examples:**
  - The Integration Framework is pretty powerful, but sometimes our business users have small sets of data they need access to or need to load into the system quickly: *Application Export/Import can be configured through the UI. User can export a result set of records, make a series of quick changes within excel, xml, etc. and then import back to Maximo (bulk maintenance or loading small sets of new records)*
  - We have developed some custom java class files to meet our business needs, however we'd like an easier way to configure logic without class files: *With the Automation Scripts application, you can implement scripts to automate routine tasks without having to recompile Java files or restart the server. Permits an extra level of configuration capability (i.e. calculated fields)*



# Application Export/Import

**Export/Import toolbar buttons**

- Added through Object structures
- Controlled through Security
- Imported data is validated through business logic
- Able to run in Preview mode

**Export .csv**

**Import**

ASSETNUM	ASSETTAG	ASSETTYPE	AUTOW/BM	BUDGETO/CAL	CHANGEBY	CHANGEDATE	CH/HL/C	CONC/DEFAU	DEFAULTS	AS_DESCRIPTION	AS_DESCRIPTION_ID	DIREC
11200	3751	2000 COM WILSON	0	2000 COM WILSON	2005-02-07T10:09:21-05:00	0	1			HVAC System- 50 Ton Cool Cap/ 450000 Btu Heat Cap		
11210	6439	FACILITIES	0	1500 COM WILSON	2005-02-07T10:11:07-05:00	0	1			Circulation Fan- Centrifugal/ 20/000 CFM		
11211	4295	0	400 COM WILSON	2005-02-07T10:11:43-05:00	0	0				Motor Starter- Size 2/440v/3ph/60cy		
11230	4453	0	2500 COM WILSON	2005-02-07T10:14:03-05:00	0	0				Emergency Generator		
11240	6439	FACILITIES	0	0 COM WILSON	2005-02-04T16:38:43-05:00	0	0			Circulation Fan- Centrifugal/ 20/000 CFM		
11250	6439	FACILITIES	0	1000 COM WILSON	2005-02-07T10:14:48-05:00	0	0			Circulation Fan- Centrifugal/ 20/000 CFM		
11300	4296	0	3000 COM WILSON	2005-02-07T10:15:13-05:00	0	1				Reciprocating Compressor- Air Cooled/100 CFM		
11340	4295	0	400 COM WILSON	2005-02-07T10:15:39-05:00	0	0				Motor Starter- Size 4/NEMA 12/440v/3ph/60hz		
11400	5937	0	5000 COM WILSON	2005-02-07T10:16:01-05:00	0	1				Boiler- 50,000 Lb/Hr/ Gas Fired/ Water Tube		
11430	6491	0	1250 COM WILSON	2005-02-09T08:01:37-05:00	0	1				Centrifugal Pump 100GPM/60FT HD		
11440	6423	0	1200 COM WILSON	2005-02-09T08:24:53-05:00	0	1				Centrifugal Pump 100GPM/60FT HD - Updated		
11460	6434	0	0 COM WILSON	1999-12-07T21:27:27-05:00	0	0				Motor- Gas Fired/ For Boiler - Updated		
23972	9442	0	125 COM WILSON	2005-02-07T10:23:16-05:00	0	0				Motor- 10hp/1150rpm/TEFC/254T Frame/440v/3ph/60hz		
49332	2494	0	0 COM WILSON	1999-01-12T10:57:11-05:00	0	0				Motor- 10hp/1150rpm/TEFC/254T Frame/440v/3ph/60hz		

## Enhancements to Help

- The overall objective toward the enhancements to Help is to allow the user to accomplish their work while staying in the product

Feature	Benefit
<i>Technical content of the product is now in one information center and installed on the customer network</i>	<i>Permits better access to a more complete library of information.</i>
<i>A single search for all products</i>	<i>All help for all Service Management products available in one place!</i>



# Accomplish your work while you stay in the product

- Information content improvements made to complex areas of product
- Included links to relevant topics for more information

The screenshot shows a software interface with a dialog box titled "Select Attributes for Replacement". The dialog contains the following text:

Select a migration object and then select the attributes whose values you want to replace when the package is deployed. When the package is deployed, the deployment administrator can define the replacement rules or deploy the values that come from the source environment. [More information](#)

Package Definition

Package Definition Name: 1000 Snapshot of Data Dictionary group

Objects and Attributes Selection

Migration objects

Show all  
 Show objects that have selected attributes

Attributes	Filter	Search	Refresh	Download
Attribute	Replacement	Required?	Remarks	
...No rows to display...				

The "More information" link is circled in red, and a red arrow points from it to a separate window titled "Attribute replacements". This window contains the following text:

[Maximo Asset Management](#) > [Migration Manager](#) > [Migrating your configuration content](#) > [Defining the configuration content to be migrated](#) > [Creating package definitions](#)

### Attribute replacements

You can specify attribute replacements in a package definition to indicate the values in a package that might need to be replaced when the package is deployed. Attribute replacement might be needed when the data in configuration records in the target environment does not match the data in the source environment.

The replaced values are determined by replacement rules.

Attribute replacement is useful when the creator of the package definitions does not know the data constraints in the target environments to which packages will be deployed.

The specified attributes to be replaced are stored in the metadata of a package.

[Feedback](#)



# Search with highlighting

The screenshot shows the IBM Maximo Asset Management interface. At the top, the 'Information center' header is visible. Below it, a search bar contains the text 'XML code' and a 'GO' button. To the right of the search bar, the text 'Search scope: All topics' is displayed. A red box highlights the search bar and the 'GO' button. Below the search bar, the 'Search Results' section shows '5 result(s) found for XML code'. The first result, 'Working with application design', is highlighted in blue. A red arrow points from a red circle around the search bar area to the highlighted result. The main content area displays the article 'Working with application design', which includes several sections: 'Creating applications', 'Adding signature options to an application', 'Configuring conditional properties', 'Changing the properties of controls', 'Adding items to toolbars and menus', 'Importing applications', and 'Showing all controls'. The article text includes the phrase 'XML code' in blue, which is highlighted. At the bottom of the page, there is a 'Feedback' link.

Information center

Search: XML code GO Search scope: All topics

Search Results

5 result(s) found for XML code

Importing applications  
Information about the controls that are used to compose a user interface is saved in XML format. The XML code can be applied to an application that you create in the Application Designer.

**Working with application design**  
You can create applications, configure options, change properties, add items to toolbars, import applications, and export applications. Creating applications The Application Designer

Exporting applications  
The system maintains information about the controls that are used to compose a user interface in XML format, and stores this information in the database. Use the Export function to export applications.

Migration Manager error messages  
You can take corrective actions to respond to the error messages produced by the Migration Manager application. Error code Error message Message details in the message

Glossary terms for IBM Maximo Asset Management.  
IBM Maximo Asset Management, Version 7.5 Glossary This glossary includes terms and definitions for IBM® Maximo® Asset Management. The following cross-references are used in this glossary: See reference

Maximo Asset Management > Modules and applications > System Configuration module > Platform Configuration submodule > Application Designer

## Working with application design

You can create applications, configure options, change properties, add items to toolbars, import applications, and export applications.

### Creating applications

The Application Designer lets you create three different types of new applications, power applications, single page applications and self service applications. The system uses a different template for each application type to create the basic user interface structure of the application.

### Adding signature options to an application

Signature options specify privileges for using applications, menu options, and toolbar items. You can control access to various elements of an application by adding or modifying the signature options for that application.

### Configuring conditional properties

The Configure Conditional Properties window in the Application Designer lets you configure how a control appears or behaves for a specific group of users. Configure Conditional Properties is used to determine conditional access to a control, such as a field or tab.

### Changing the properties of controls

You can use the **Control Properties** function to change the properties of a control. The Properties window shows all the attributes and assigned values of the highlighted control along with the name of the control at the top of the window.

### Adding items to toolbars and menus

You can add buttons to toolbars, add actions to the **Select Action** menu, and add menu items to the **Search** menu.

### Importing applications

Information about the controls that are used to compose a user interface is saved in XML format. The XML code can be applied to an application that you create in the Application Designer. The user interface for an application is called the application definition. There are times when editing the XML file of an application definition is more efficient than using Application Designer to make changes.

### Showing all controls

Use **Toggle Show All Controls** in the **Select Action** menu in the Application Designer to view and hide controls that are not visible when you open an application in the Application Designer.

Parent topic: [Application Designer](#)

[Feedback](#)

# Linear Assets: Visual Control

**Assets**      Bulletins: (0)    Go To    Reports    Start Center    Profile

Find:    Select Action

List    Asset    Spare Parts    Safety    Meters    **Specifications**    Features    Work

Asset: I-95N    Interstate 95 Northbound    Site: BEDFORD

Classification: ROAD    Class Description:

**Specifications**    Filter >    1 - 10 of 24

Use the slider control below the graph to change the start and end measures and to zoom in. Drag the graph to scroll. [More information](#)

Specification	Value
ALT NAME	Capital Beltway
AREA	Suburban
COUNTY	Prince George
DISTOFC	Howard
ELEV	
FUNCCLAS	Principal Arterial - Interstate
LANES	
LOS	B
ROADMAT	Bituminous
<b>SPEED</b>	<b>65</b>
TERRAIN	Rolling

Level of Service: C  
Alphanumeric Value: C  
Start Measure: 55  
End Measure: 56

Scroll-able control, use to view Specification details, Features, Relationships and Work along the linear asset





## Additional Functionality

# Pulse2011

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February 27–March 2 Las Vegas, Nevada

# Continuing our innovation and leadership in the EAM market

- Maximo Functionality available out on ISM Library (OPAL) or through Support web site
  - Available from IBM download site and is free to use for customers



- **ITM for Maximo:** Available for 6.2,x, 7.1 and 7.x  
Used for monitoring performance of Maximo environment  
(search Support website for: Maximo Monitoring)

- **Email for Maximo:** Available on 7.1 and 7.x (available end of March 2011)  
Generates an email based on any condition. Receive a reply to update a record in Maximo. Send a confirmation email. Ideal for Work Order status updates and Approvals, workflow approvals . Works with BlackBerry or any email capable device (download from ISM Library)



- **BIM Integration:** Coming soon  
Part of the Facilities Mgmt story. More details available soon.



# Download URL's

- URL Link to the ISM Library for downloads

<http://www-01.ibm.com/software/brandcatalog/ismlibrary/>

- URL Link to the Maximo Asset Management Support website:

[http://www-947.ibm.com/support/entry/portal/Overview/Software/Tivoli/Maximo\\_Asset\\_Management](http://www-947.ibm.com/support/entry/portal/Overview/Software/Tivoli/Maximo_Asset_Management)

United States [ select ]

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← Go to quick start

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Support for my selected products

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Sign in to access your authorized content and to customize your pages.

Search support

Maximo Monitoring

Within my selected products

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Choose your products

Manage my product list

Find a product for your list:

Your selected products

Maximo Asset Management [ Edit ]

Share this product list

Choose your page

Overview

Featured links

Maximo Asset Management

→ Featured documents

→ Detailed system requirements

Flashes & alerts

Alerts: Get the most up to date alerts for your product(s)

Maximo Asset Management

# Downloads for Tivoli Monitoring for Maximo

The screenshot shows the IBM Support Portal interface. At the top, the IBM logo is on the left, and 'United States [ change ]' is on the right. Below the logo is a navigation bar with links: Home, Solutions, Services, Products, Support & downloads, and My IBM. On the far right of the navigation bar, it says 'Welcome Dave Gasdia [Not you?] [ IBM Sign in ]'.

The main content area is titled 'Search'. On the left, there is a 'Filter results by' sidebar. It includes sections for 'Product(s) list' (with 'Maximo Asset Management (64)' selected), 'Software product version' (with various versions listed), 'Current selections' (with 'Viewing All' selected), and 'Content type' (with 'Alert (4)', 'Authorized program analysis report (17)', and 'Documentation index (1)' listed).

The search results are displayed in the center. The search term 'Maximo Monitoring' is entered in the search box. Below the search box, there is a 'New search' button and a 'Sort by: Relevance' dropdown menu. The results list shows two items, both highlighted with red boxes:

- Tivoli Monitoring Agent for Maximo 6.2.1 Feature Pack**  
...the optional IBM Tivoli **Monitoring** Agent for **Maximo** 6.2.1 Feature Pack. Download...Tivoli **Monitoring** and the **Monitoring** Agent for **Maximo**, you can monitor aspects...several optional agents, the **Monitoring** Agent for...  
Last modified date: 3 Nov 2009
- Tivoli Monitoring Agent for Maximo 7.1.1 Feature Pack**  
...the optional IBM Tivoli **Monitoring** Agent for **Maximo** 7.1.1 Feature Pack. Download...Tivoli **Monitoring** and the **Monitoring** Agent for **Maximo**, you can monitor aspects...several optional agents, the **Monitoring** Agent for...  
Last modified date: 17 Dec 2009

On the right side of the search results, there are several utility boxes: 'Search elsewhere' (with links to Google, Bing, and Yahoo!), 'Actions' (with a link to 'Return to IBM Support Portal'), 'Help' (with a link to 'Search tips'), and 'Newsfeeds' (with a link to 'Subscribe to search results (RSS)').



Thank You....





## Stay in touch, in tune, in sync during Pulse

*Leverage the online community for daily updates, real-time hot topics, conference feedback, and social networking*

<http://www.ibm.com/communities/assetmanagement>

### Engage the community

#### Asset Management blog

For getting conference announcements, live blogging updates, and daily highlights right from your laptop.

<http://www.ibm.com/blogs/assetmanagement>

#### Asset Management community

For managing your contacts at Pulse, sharing links and bookmarks, and providing feedback on the conference.

<http://www.ibm.com/communities/assetmanagement>

#### Twitter™

For listening and contributing to real-time buzz with other Pulse attendees and organizing meetups.

Use #ibmpulse #maximo #assetmgmt in your tweets.

<http://twitter.com/maximomary>

#### Asset Management group on LinkedIn™

**IBM Asset Management group on LinkedIn:** For news postings and forum discussions to keep you current. <http://ow.ly/18mpS>

#### Asset Management on YouTube™

For viewing and commenting on live stories with Asset Management attendees.

<http://ow.ly/18hhU>

#### Pulse on Flickr™

For sharing your great photo moments with the shared Pulse Group on Flickr. Tag photos with pulse2011.

<http://flickr.com/groups/ibmpulse>





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