Maximo Roadmap and New Features Overview

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IBM Software

PCTY2010
Pulse Comes to You

Optimising the World's Infrastructure
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Disclaimer

The information on the new product is intended to outline our general product direction and it should not be relied on in making a purchasing decision. The information on the new product is for informational purposes only and may not be incorporated into any contract. The information on the new product is not a commitment, promise, or legal obligation to deliver any material, code or functionality. The development, release, and timing of any features or functionality described for our products remains at our sole discretion.

Continuing the Maximo Strategy - Managing Performance of Critical Assets

- Asset and service management solutions for all critical assets across the enterprise

  – Operating on open standards: J2EE-based service-oriented architecture (SOA)

  – Delivered with deep industry-specific functionality

Transportation Assets & Infrastructure	Building, Facility and Property Assets	Production Assets Oil, Steel, Utilities	IT Assets & Infrastructure	Communications Infrastructure

IBM Extremely Committed to Maximo and the EAM Market

- Continued investment in Maximo market leadership
  - Product development
  - Sales – direct and channel
  - Support and professional services

- IBM investments are for complete asset coverage
  - Across all asset classes (transportation, facilities, production, IT and communications)

Maximo is Key Component of IBM's Smarter Planet Strategy
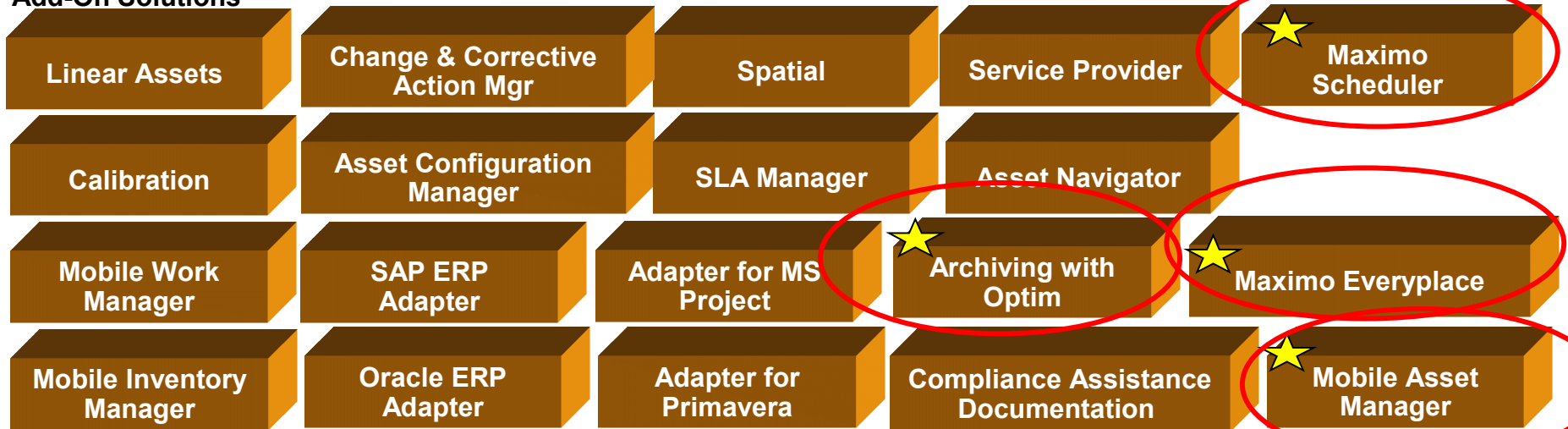
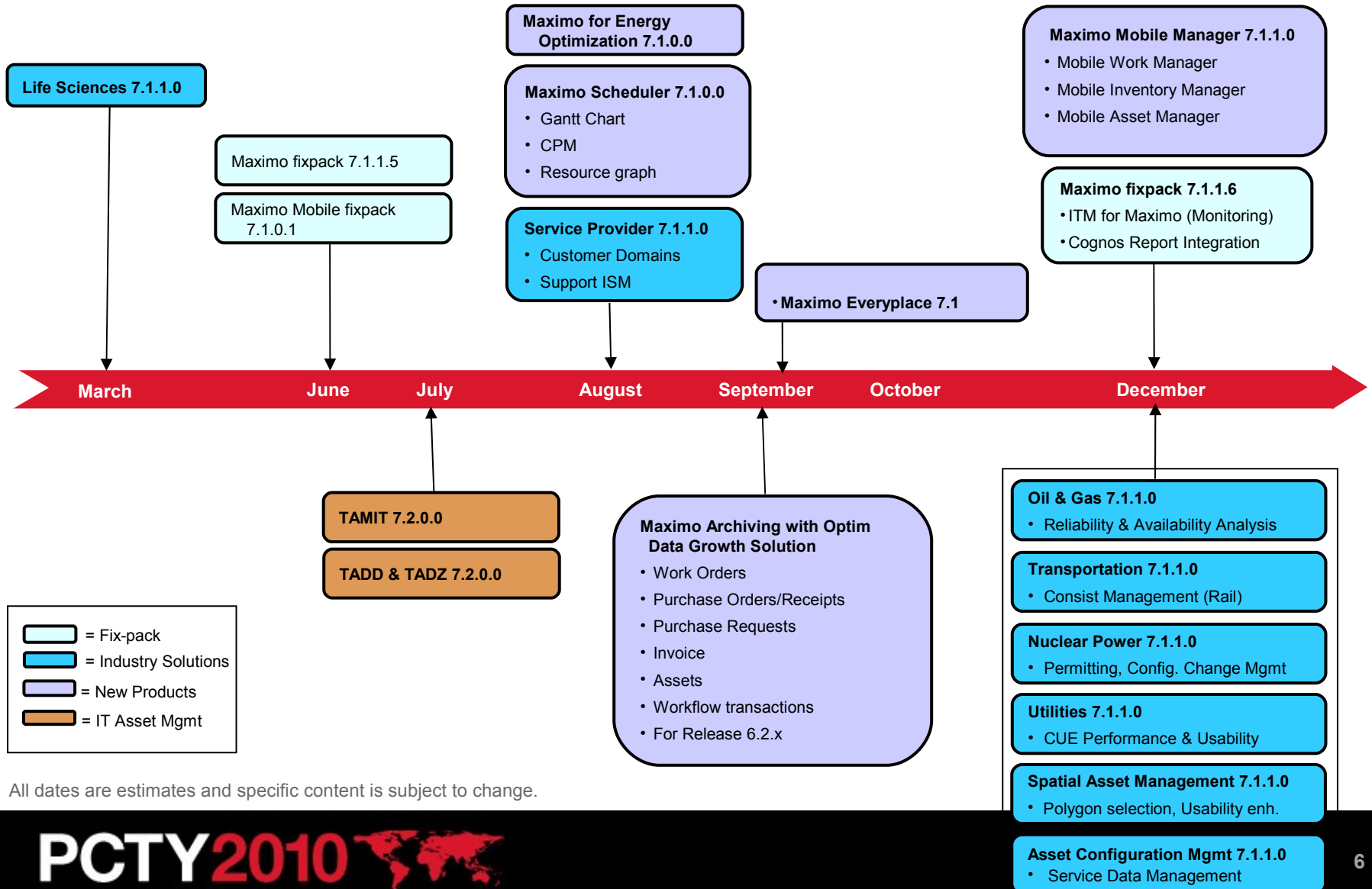# IBM Maximo Asset Management - products

Maximo Asset Management

Maximo	Maximo Essentials	Maximo for Energy Optimization	Tivoli Asset Management for IT

Industry Solutions

Utilities	Life Sciences	Nuclear Power
Transportation	Government	Oil & Gas

Add-On Solutions

Linear Assets	Change & Corrective Action Mgr	Spatial	Service Provider	Maximo Scheduler
Calibration	Asset Configuration Manager	SLA Manager	Asset Navigator	
Mobile Work Manager	SAP ERP Adapter	Adapter for MS Project	Archiving with Optim	Maximo Everyplace
Mobile Inventory Manager	Oracle ERP Adapter	Adapter for Primavera	Compliance Assistance Documentation	Mobile Asset Manager

Maximo Asset Management 2009 – Delivered Products

Maximo for Energy Optimization 7.1.0.0

Maximo Mobile Manager 7.1.1.0
- Mobile Work Manager
- Mobile Inventory Manager
- Mobile Asset Manager

Life Sciences 7.1.1.0

Maximo Scheduler 7.1.0.0
- Gantt Chart
- CPM
- Resource graph

Maximo fixpack 7.1.1.5

Maximo Mobile fixpack 7.1.0.1

Maximo fixpack 7.1.1.6
- ITM for Maximo (Monitoring)
- Cognos Report Integration

Service Provider 7.1.1.0
- Customer Domains
- Support ISM

- **Maximo Everyplace 7.1**

March	June	July	August	September	October	December

TAMIT 7.2.0.0

TADD & TADZ 7.2.0.0

Maximo Archiving with Optim Data Growth Solution
- Work Orders
- Purchase Orders/Receipts
- Purchase Requests
- Invoice
- Assets
- Workflow transactions
- For Release 6.2.x

Oil & Gas 7.1.1.0
- Reliability & Availability Analysis

Transportation 7.1.1.0
- Consist Management (Rail)

Nuclear Power 7.1.1.0
- Permitting, Config. Change Mgmt

Utilities 7.1.1.0
- CUE Performance & Usability

Spatial Asset Management 7.1.1.0
- Polygon selection, Usability enh.

Asset Configuration Mgmt 7.1.1.0
- Service Data Management

- ☐ = Fix-pack
- ☐ = Industry Solutions
- ☐ = New Products
- ☐ = IT Asset Mgmt

All dates are estimates and specific content is subject to change.

Maximo Everyplace

What is Maximo Everyplace?

- Access to the same Maximo that you use today through desktop browsers, but with expanded browser support

  - Support for Mobile Safari (for iPhone and iPod touch)

- Ability to configure screens through special Application Designer features for access on mobile devices with supported browsers

  - Screen configuration happens on a desktop machine, not a mobile device

Why do it?

- Customers want quick access to specific Maximo functionality on a mobile device

- They don't want to have to download anything on to the device in order to get access to Maximo (Everyplace is entirely browser based; nothing to install on the device)

- They want the WYSIWYG configuration capabilities that the Maximo Application Designer provides

- They don't want to invest heavily in the Mobile device hardware (an iPhone or iPod Touch starts at $199 USD)

Details and requirements for Maximo Everyplace

- Initially available in September 2009 as limited release

- English only

- Requires minimum fixpack level of 7.1.1.5

- Supported browsers:
  - Mozilla Firefox 3.0+ for Windows XP and Redhat Linux desktop
  - Internet Explorer 7.x – Windows XP
  - Vista O/S Client w/Internet Explorer 7.x
  - Mobile Safari for iPod Touch and iPhone

- Requires Internet connectivity on devices where Maximo is accessed
  - Nothing to install on the devices
  - No offline support

Application Designer – Create Mobile Applications
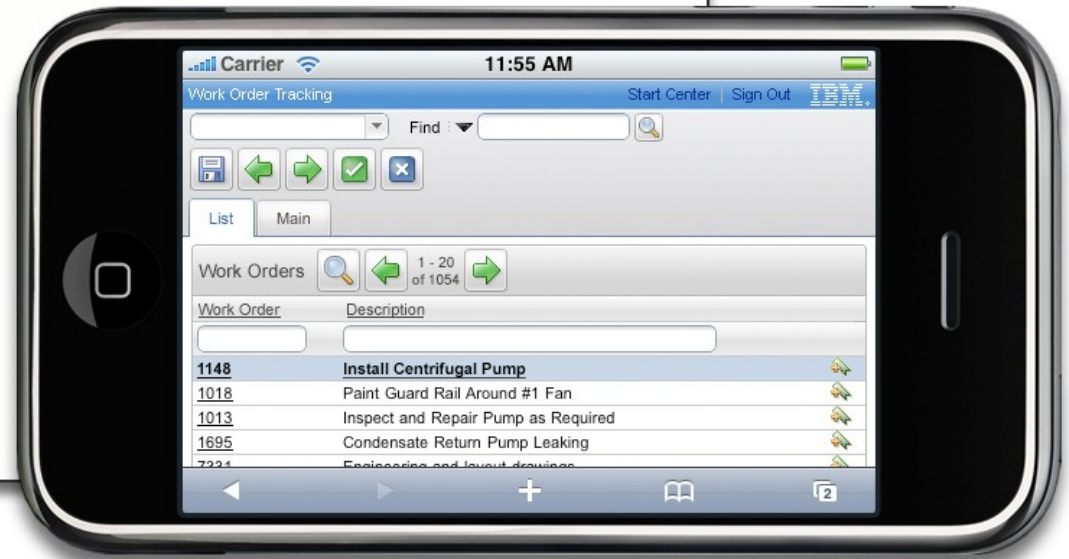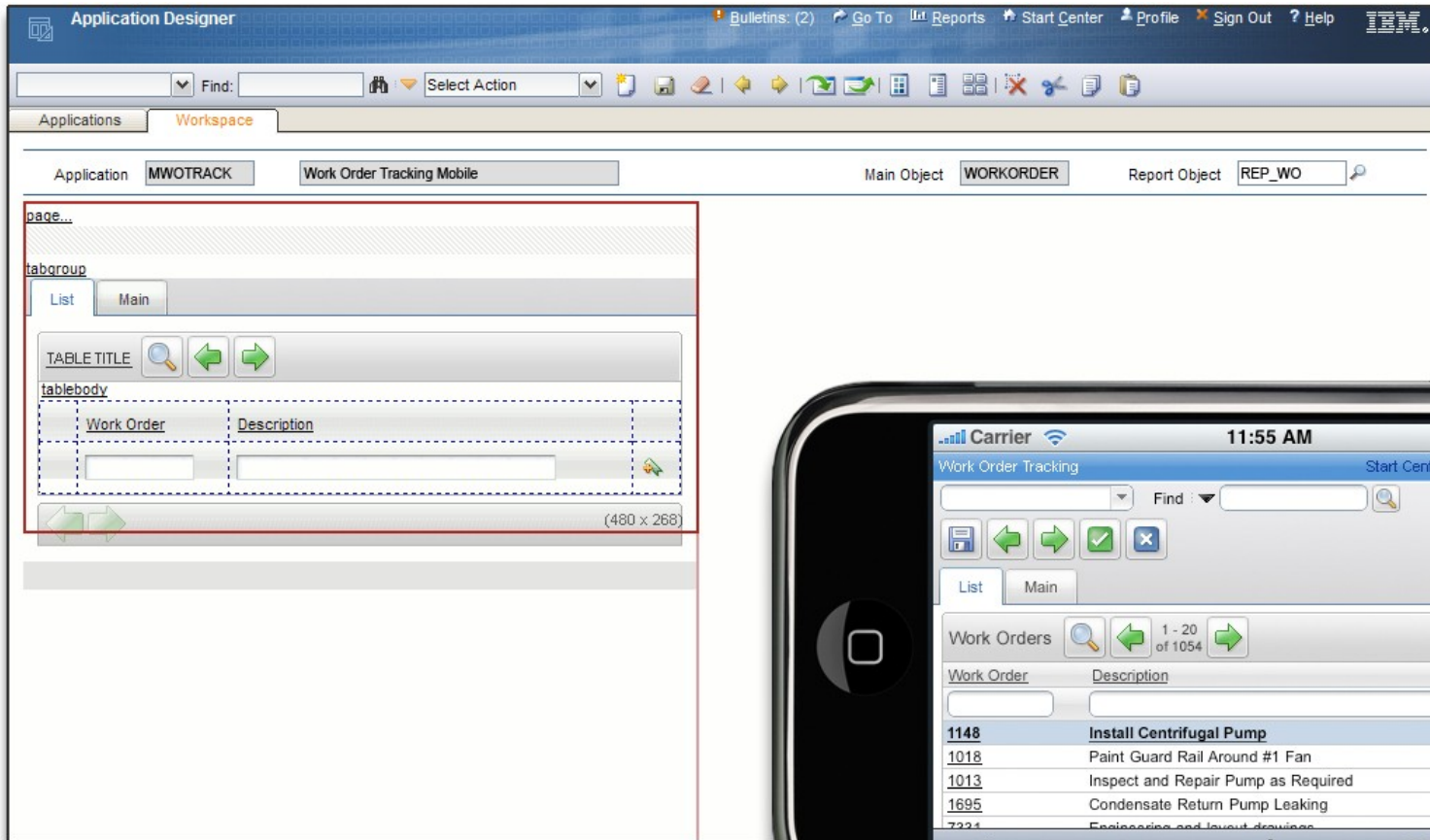
Choose the appropriate viewport size in App Designer

iPhone size comes pre-loaded; add others via a domain. The Viewport size corresponds to the size of the red box

Use appropriate look for a touchscreen

Select Is Mobile checkbox to switch to a look that includes larger fonts and screen elements that are easier to control with your finger instead of a mouse

Example Start Center

Example Work Order Application

Access the new application through any browser

The Viewport size is saved in the presentation and helps you design better apps in the Application Designer, but it doesn't limit the user's ability to use the same app on different devices. Shown here: a Work Order clone designed for an iPhone screen, but viewed at 1024x768 resolution on a laptop.

What's included and not included

- New Application Designer functionality to make designing for different screen sizes easier

- A new look for Maximo applications that can be applied on a per-application basis. It makes interacting with Maximo easier on a touch screen

- No new apps are included. Rather, we're delivering the toolkit in the Application Designer to help customers make their own applications easier to use across a range of devices.

- All the functionality of Maximo 7.1.1.5 is available for use in Maximo Everyplace applications

Common Questions

Q: Does it work on Blackberry?

A: No, not at this time – Blackberry is currently in development on a new 'webkit based' browser that we will evaluate once available

Q: Will it work on other devices, netbooks, tablets, etc.?

A: Maximo Everyplace will work on devices using browsers we currently support like IE 7, so devices like the Panasonic Toughbook as well as many Windows based tablet PCs are supported

Q: Will my custom applications work in Everyplace?

A: Using Application Designer you can redesign and deploy your custom applications for mobile access as long as you are using standard UI controls available in Application Designer

Q: What other browsers/devices are you researching?

A: We intend to add support for more browsers and devices going forward. Browsers using the webkit engine are the most likely targets as they handle Maximo best – they include Android devices (i.e Google Nexus One & Motorola Droid), Symbian devices (Nokia), the new Apple iPad, and in the future Blackberry

Important Considerations

- Maximo Everyplace does not replace Maximo Mobile
  - Customers may purchase both Maximo Mobile and Maximo Everyplace
    - Maximo Everyplace is for users who are connected "always"
    - No offline capabilities
    - Maximo Mobile is for users who can be disconnected and requires Maximo data while disconnected

  - <u>Maximo Mobile is the mobile solution for remote/disconnected work</u>

- Maximo Everyplace is currently available in limited release
  - Maximo 7.1.1.5
  - English only
  - iPhone / iPod Touch through Mobile Safari browser
- General Availability Release under development
  - Maximo 7.1.1.7
  - iPad support
  - Google Android devices

Maximo Archiving with

Customer Pain Point

- Production database growth

  - Example, 65000 work orders per month (supply chain development partner); 1 million+ work orders in a year

- Maximo impact:

  - Performance degradation in production

  - Costly hardware upgrades

  - Costly, long running upgrade process

- Customer need:

  - Archive historical data

  - Preserve application performance in production

  - Smoother, faster upgrade to newer product release

Customer Archiving needs

- Customer feedback, Maximo Advisory Council round tables

- Offline storage of application data
  – Data that is currently historical and does not change
  – Data usually deleted from source tables

- Application data context should be preserved
  – Complete business object data

- Application data should remain available for reporting/auditing
  – Offline storage should behave as data source

- Benefit
  – Production environment runs optimally
  – Faster upgrades
  – Hardware costs reduced

Why IBM Optim™ ?

- Selected Optim to enable Maximo archiving
  - IBM acquired Princeton Softech in 2007
  - Part of Information Management brand
  - Optim is key data growth solution from Princeton Softech
    - Best of Breed: Competitors include Applimation, HP-OuterBay, Solix, Compuware
  - Optim offers archiving solutions for packaged applications
    - Oracle E-Business
    - PeopleSoft
    - Siebel
    - JD Edwards
    - others
  - Current IBM Optim release 7.1
    - Mature product line

Production

Archive

Archives

Retrieve
Current

Optim

Retrieve

Reference Data

Historical Data

Reporting Data

Universal Access to Application Data

Application

Mashup   Application   XML   ODBC / JDBC
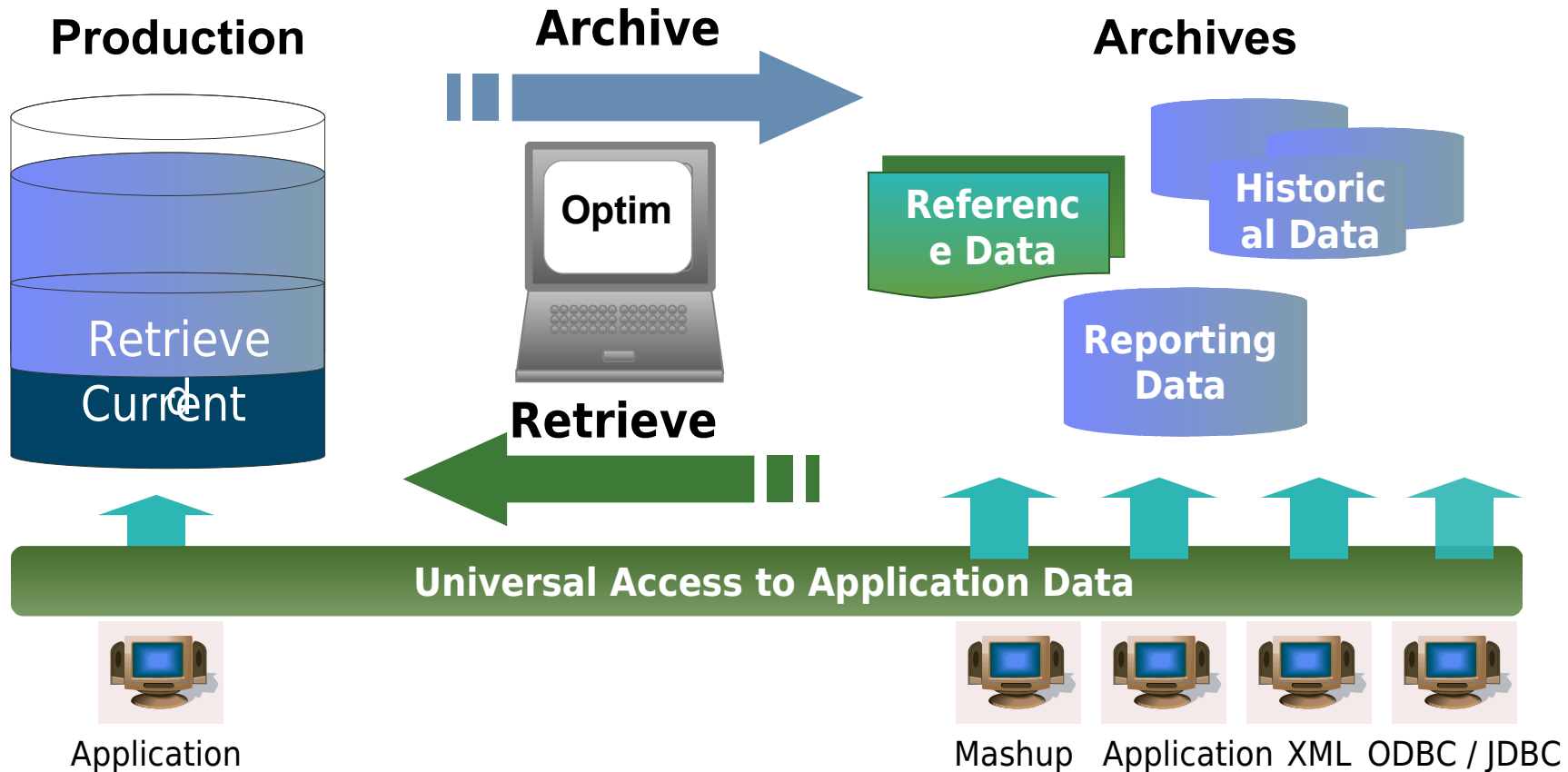
- **Complete Business Object provides historical reference snapshot of business activity**
- **Storage device independence reduces storage costs**
- **Immutable file format enables data retention compliance**

Optim for Maximo

- Enabling Maximo archiving capability with Optim

- Out of the box archive access definitions (policies)
    - Policies can be changed to fit requirement
    - New policies can be created
    - Configuration – no coding

- Definitions initially available for:
    - Work orders
    - Purchasing (including POs, Invoices)
    - Purchase Requisitions
    - Workflow Transactions
    - Assets

- No Maximo code – Adapter is for Optim to connect to a Maximo database

Optim Data Growth

- Initially released September 2009 - *Supports Maximo 6.2.x
- Offered as an Add-on
- Maximo 7.x definitions currently in beta for mid-2010 release
- Packaging includes:
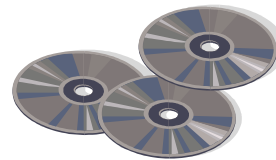
Optim

IBM Optim
- Data Growth Solution product
- Limited use License with Maximo

+

Maximo Archive Definition files
- Work Order
- Purchase Order/Receipts
- Purchase Requests
- Invoice
- Assets
- Workflow transactions

+

Documentation
- Instructions to configure Optim for use with Maximo

Maximo PM Forecasting

The Maximo Scheduling Riddle

- Maximo customers have wanted the ability to visualize work schedules and related labor resources

- Maximo customers want to be able to forecast work to be performed and the resources required to complete the work <u>without</u> creating the PM Work Order

- Customers want to be able to perform planning and scheduling tasks from within Maximo

Planning Horizon
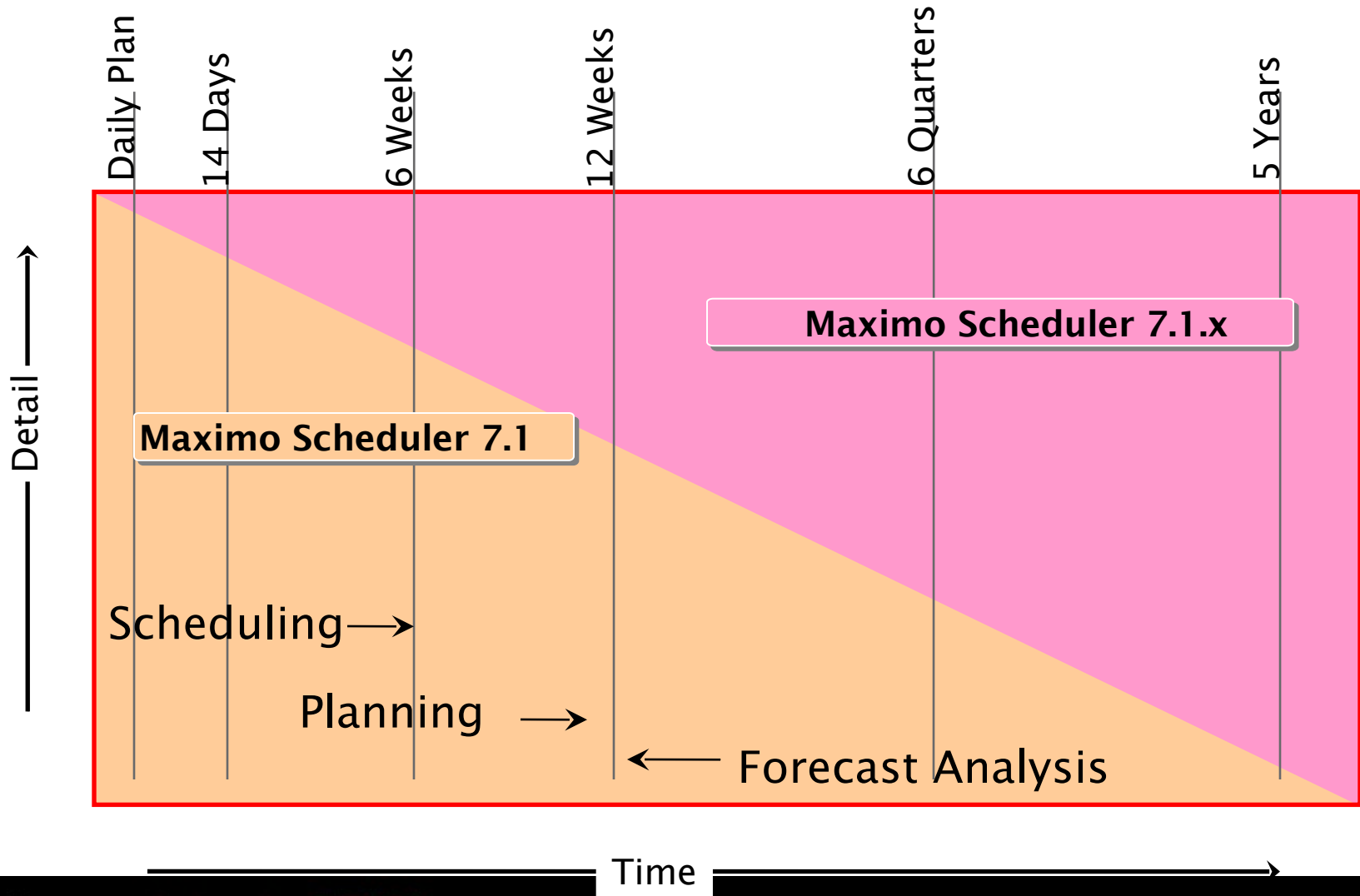
PM Forecasting

- Part of Maximo Asset Scheduler 7.1.1 (1Q2010)

- Functionality to work in conjunction with Maximo Asset Scheduler 7.1
  - Single forecast for a PM
  - Utilizing the same PM criteria already used in the PM application
  - Definable (and modifiable) forecast range
  - Respects Seasonality, Hierarchy, Job Plan Sequence just as the current PM application does
  - Editable forecast dates
  - Cron task to leverage an automated means to maintain the "forecast window"
  - Stays in lock step synchronization with the generation of PM WO from the PM application

* Future Enhancements

PM Forecasting cont'd

- Provide the ability to aggregate forecasts in the Scheduler Gantt view
  - View resources necessary to complete the forecasted work
  - Drag and drop PM Forecast Dates to dates where the resource demands can be better met

- View project work, regularly scheduled work, and future PM work all in the same Gantt view !!

* Future Enhancements

The "Sliding" Forecast Window

The forecast window "slides" consistently with time, as current PM dates are consumed and new ones added … the forecast window is automatically maintained

New distant forecast dates appended to the forecast

Forecast Window
(Constant/Modifiable)

PM Forecast Dates

Time
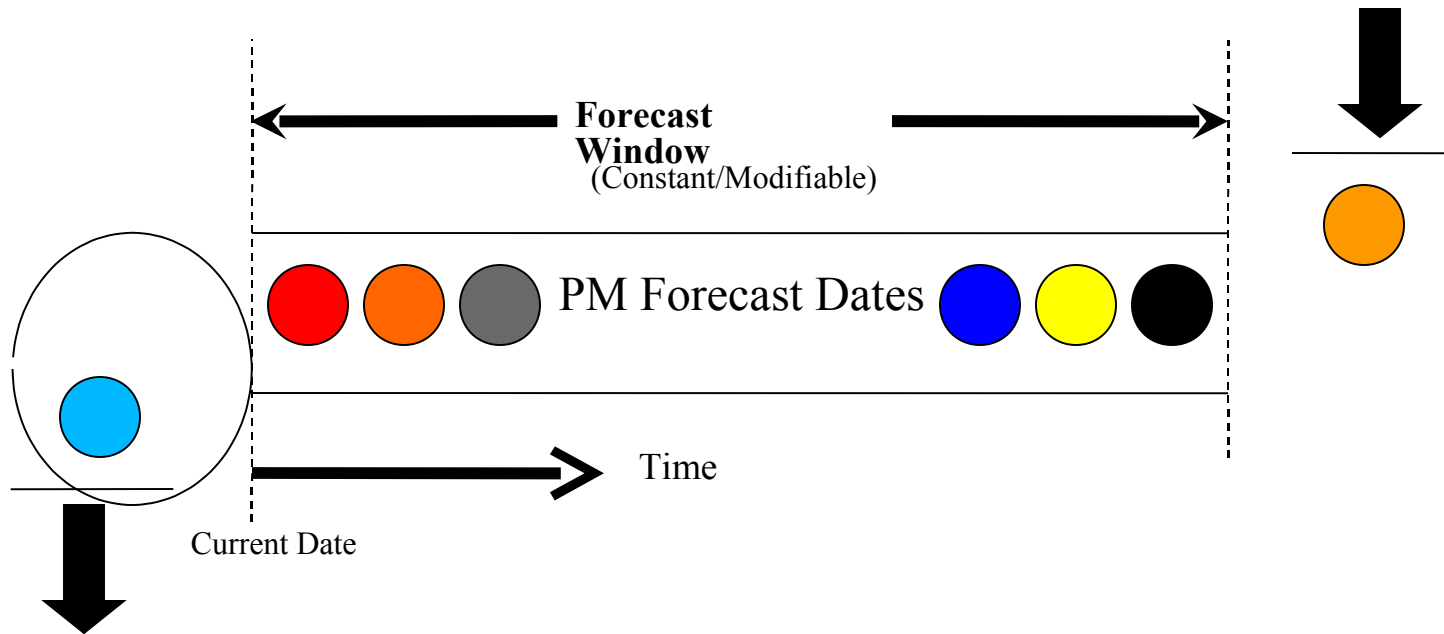
Current Date

Current forecast dates for new PM Work Orders that are now due

PM Forecast

Forecast Dates

Sequenced Job Plans

Altered Forecast Date

* Future Enhancements

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Gantt View of the PM Forecast

PM Forecast segments
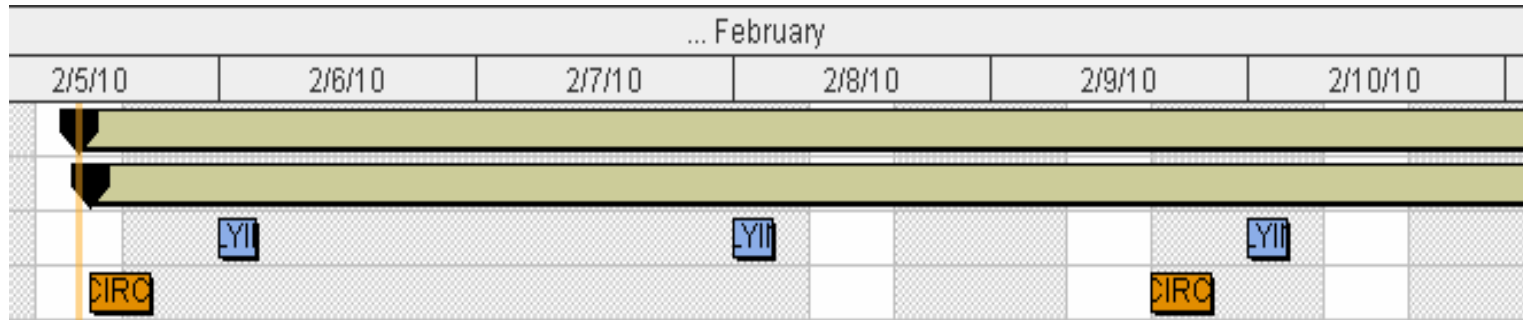
Resources to do the work

* Future Enhancements
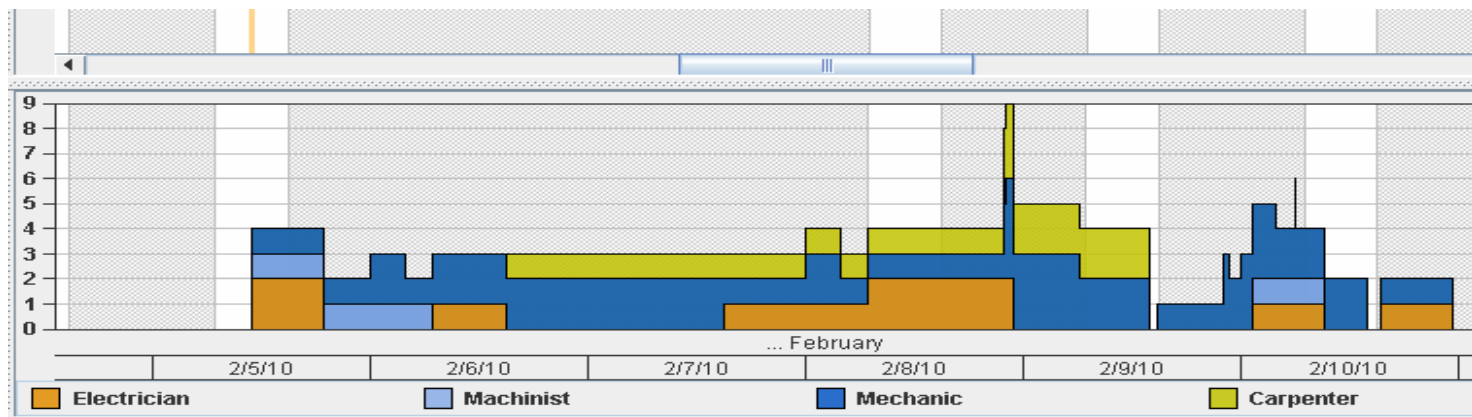
PM Forecast Gantt View

* Future Enhancements
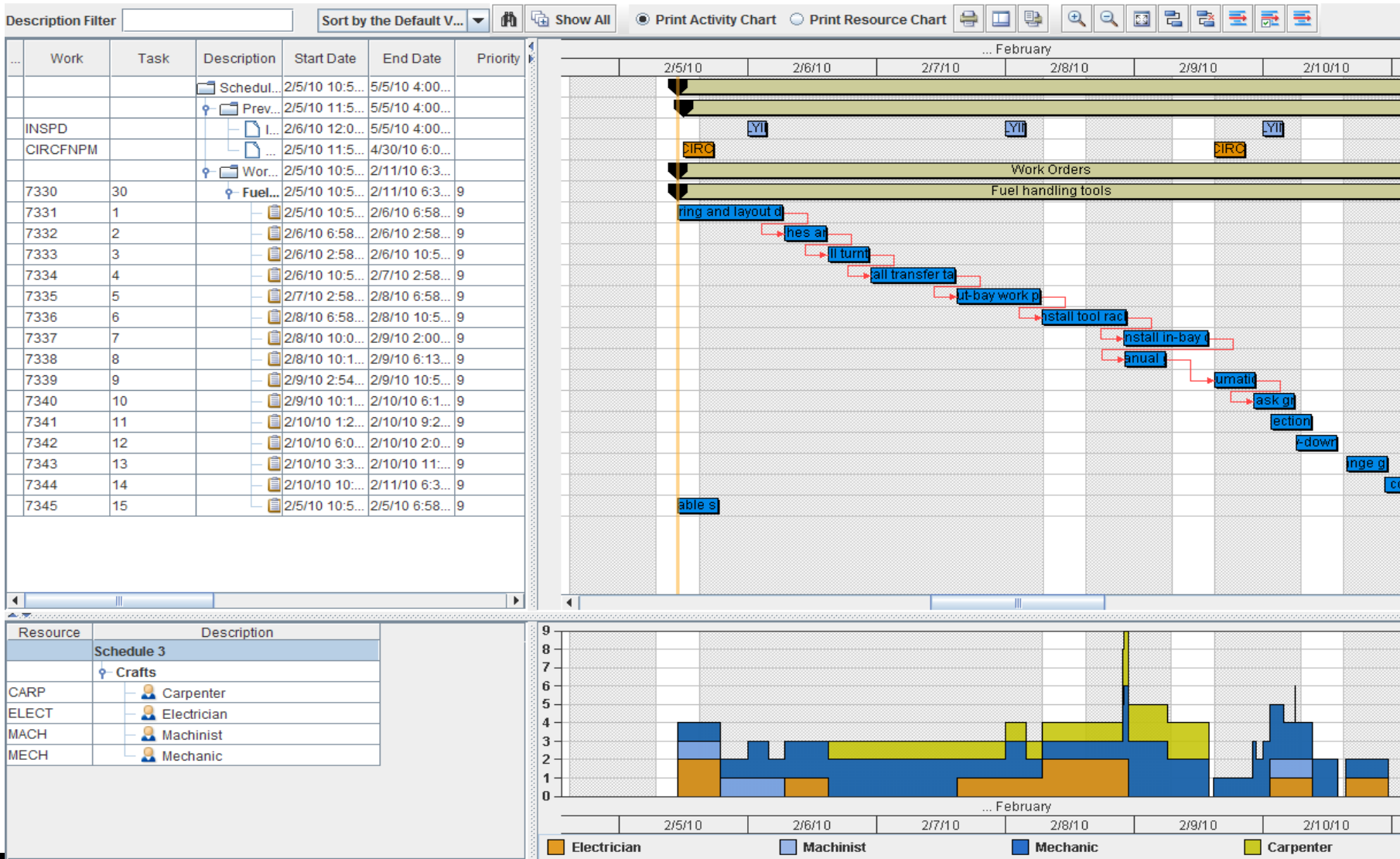
Product Roadmap 2010+

Maximo Asset Management Product Roadmap 2010 +
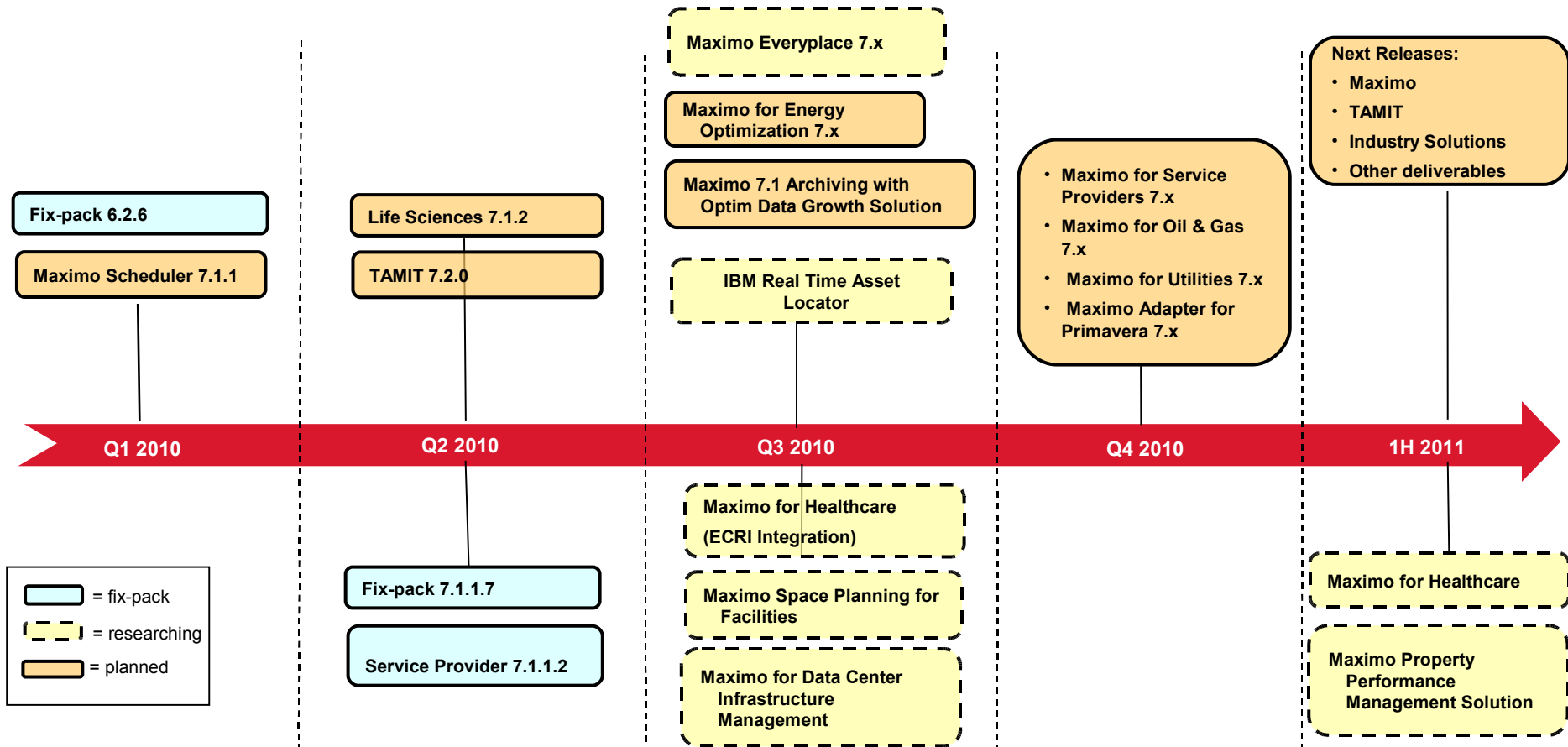
Maximo Everyplace 7.x *(researching)*

Next Releases:
- **Maximo**
- **TAMIT**
- **Industry Solutions**
- **Other deliverables**

Maximo for Energy Optimization 7.x

Maximo 7.1 Archiving with Optim Data Growth Solution

- **Maximo for Service Providers 7.x**
- **Maximo for Oil & Gas 7.x**
- **Maximo for Utilities 7.x**
- **Maximo Adapter for Primavera 7.x**

Fix-pack 6.2.6

Life Sciences 7.1.2

Maximo Scheduler 7.1.1

TAMIT 7.2.0

IBM Real Time Asset Locator *(researching)*

Timeline

Q1 2010	Q2 2010	Q3 2010	Q4 2010	1H 2011

Maximo for Healthcare (ECRI Integration)

Maximo for Healthcare

Fix-pack 7.1.1.7

Maximo Space Planning for Facilities

Maximo Property Performance Management Solution

Service Provider 7.1.1.2

Maximo for Data Center Infrastructure Management

Legend
- = fix-pack
- = researching
- = planned

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Facilities Management – Space Planning

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 Asset Management Product Roadmap 2011

Maximo 7.x

- Inventory & Materials Management
  - LIFO/FIFO inventory costing
  - Hard/Soft Reservations
  - New Inventory Usage application (status-able document, used for Issuing & Transferring items)

- Enhanced Purchasing & Receiving
  - PO Revisioning
  - View Receipt lines from within PO
  - RFQ – allow item comparison (quotes) in base currency

- ERP Integrations
  - SAP
  - Oracle
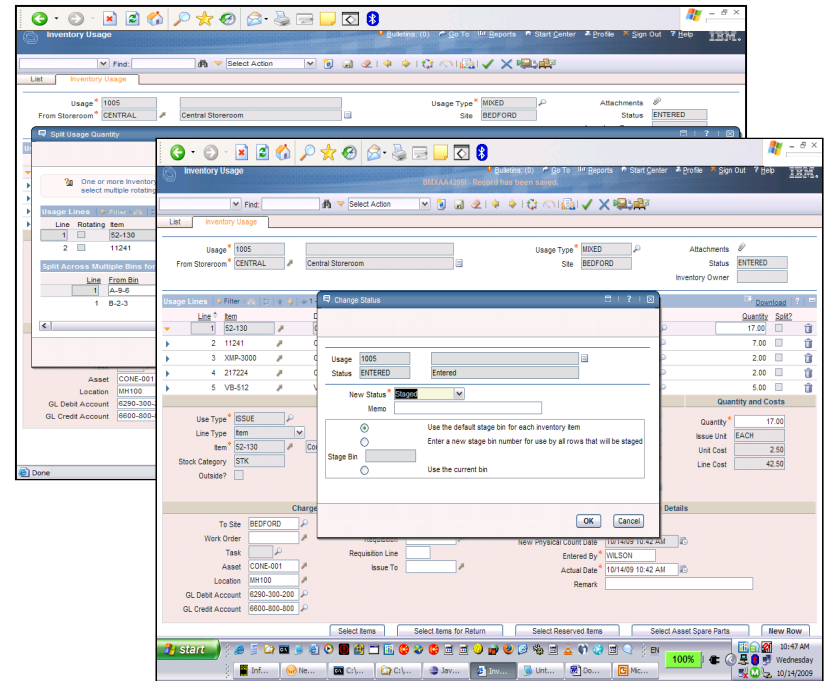
IBM Technology

- Leverage other IBM products and technology to add-value and address customer requirements
  - Examples include:
    - WebSphere Sensor Events/Location Awareness Components
    - iLog – graphical controls, optimization technology, rules based decision engine
    - Optim – archiving and purge of Maximo data
    - FileNet – management of version controlled documents, attachments in Maximo
    - MDM – centralized data management repository, 'owner' of source data
    - Cognos TM1 – budgeting
    - ITM – system monitoring, Maximo agents
    - Lotus – SameTime (instant messaging) integration

- Continue platform support (extend and leverage additional functionality)
  - DB2
  - Websphere
  - Tivoli Access Manager

Report Upgrade Updates

- Maximo 5 and 6: Effective Third Quarter 2010, IBM will no longer distribute Actuate Products.
    - Current Maximo 6 customers have perpetual licenses for Actuate reporting and can continue to use the product in existing Maximo 6 installations
    - Additionally, clients could migrate to a different reporting tool thru an integration or Upgrade to Maximo 7

- Maximo 7: Effective First Quarter 2010, IBM will no longer distribute Actuate 9 Software for upgrading Maximo 7 Clients
    - Multiple report options available to clients in Maximo 7 including Cognos Reporting, BIRT and other integrations

    Reference Maximo 7 Report Upgrade Planning Guide for more details on report options

Thank You….

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