



Kickstart Desktop Management Lifecycle with IBM

By

William Ng

Senior IT Specialist

Agenda

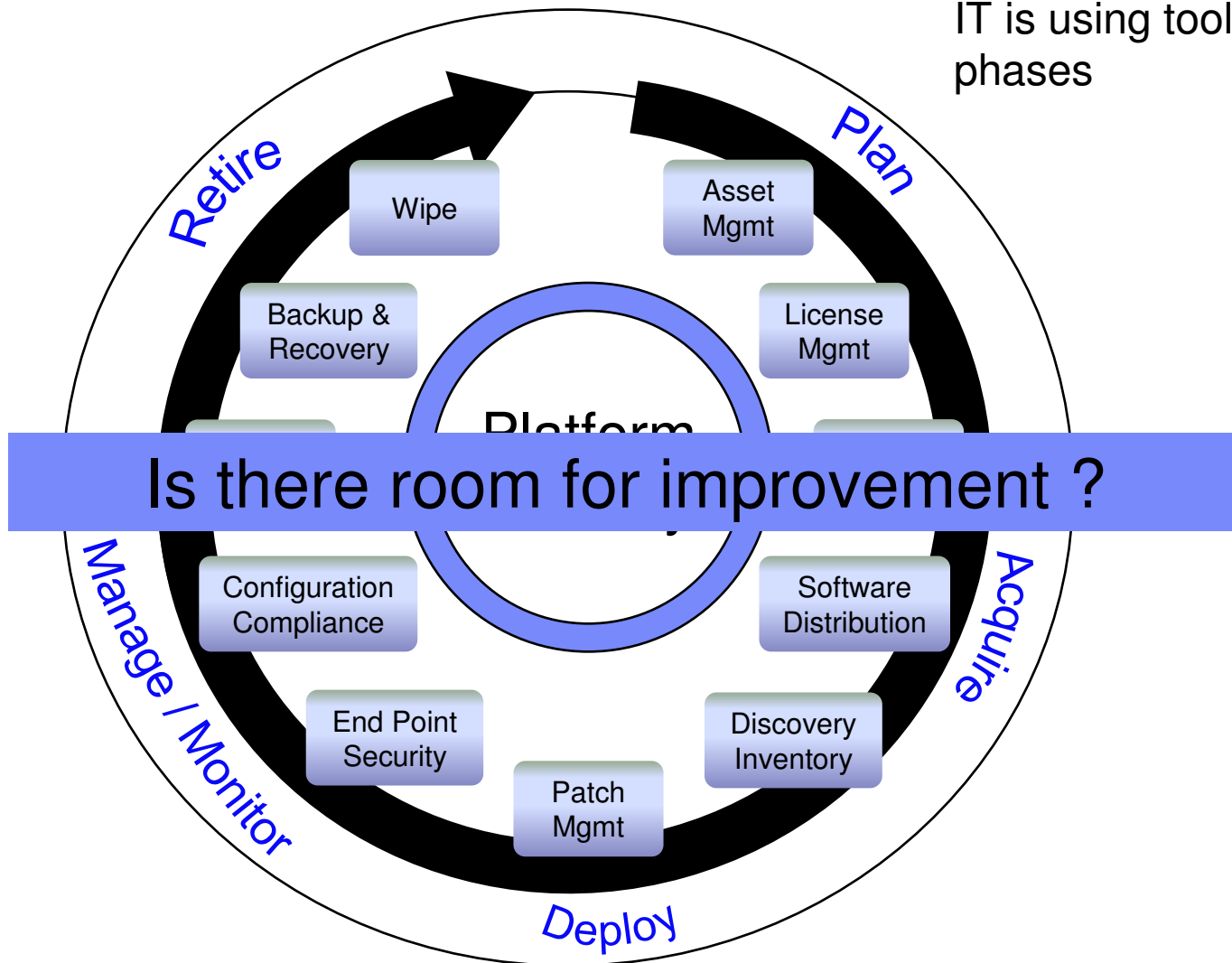
- **Desktop Lifecycle Management Phases**
- **Challenges and best practice of each phase**
- **Demo**
- **Q & A**



Desktop Lifecycle Management Phases

PC Lifecycle Management phases

IT is using tools to manage these phases



Desktop Lifecycle Phases

– Major goals of each phases

Planning

- Corporate business, e.g. new project, new employee
- User request
- Product upgrade e.g. OS upgrade

Acquire

- Negotiate agreements to maximize value
- Consolidate requests for bulk purchase
- Integrate with Procurement

Deploy

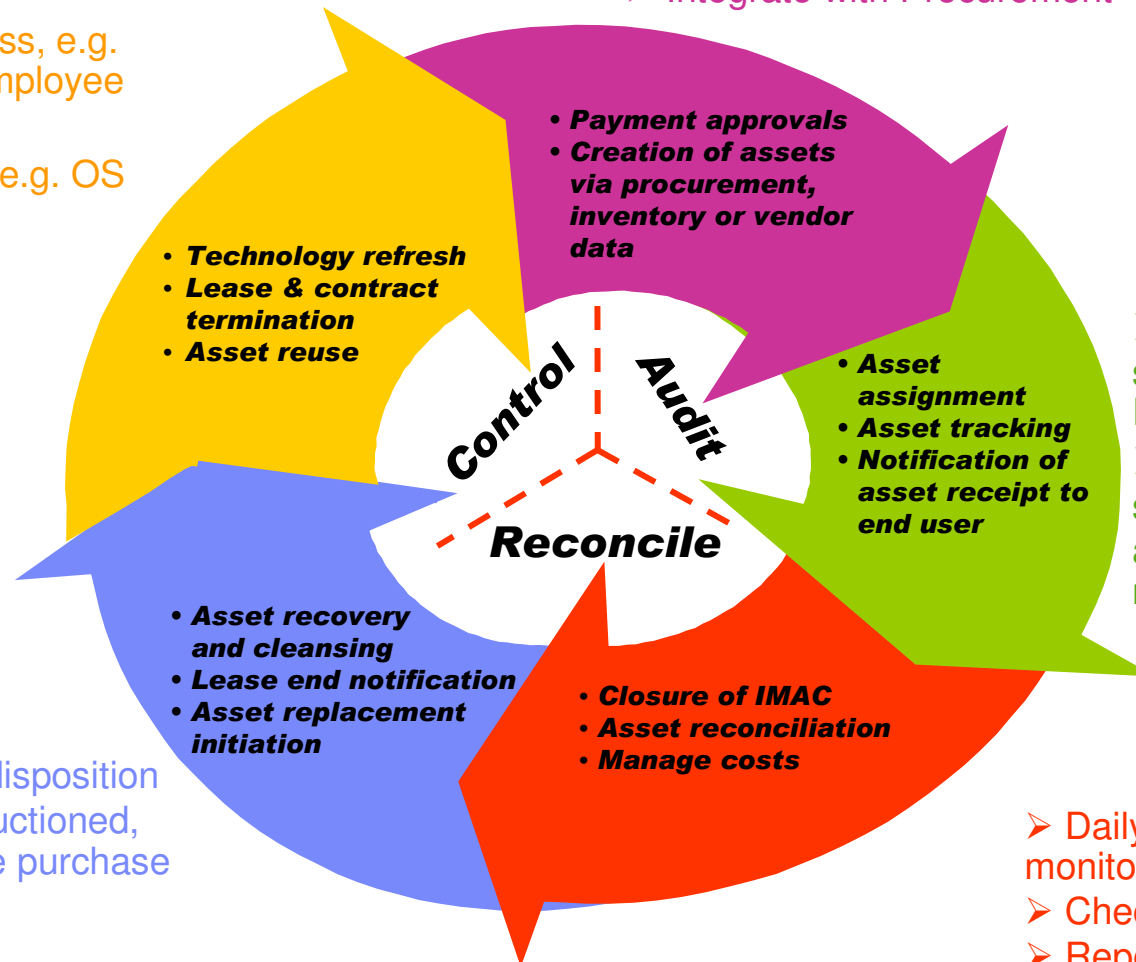
- Processes to ensure standardize committed ROI
- Ensure require software and patches are delivered to the right person

Manage

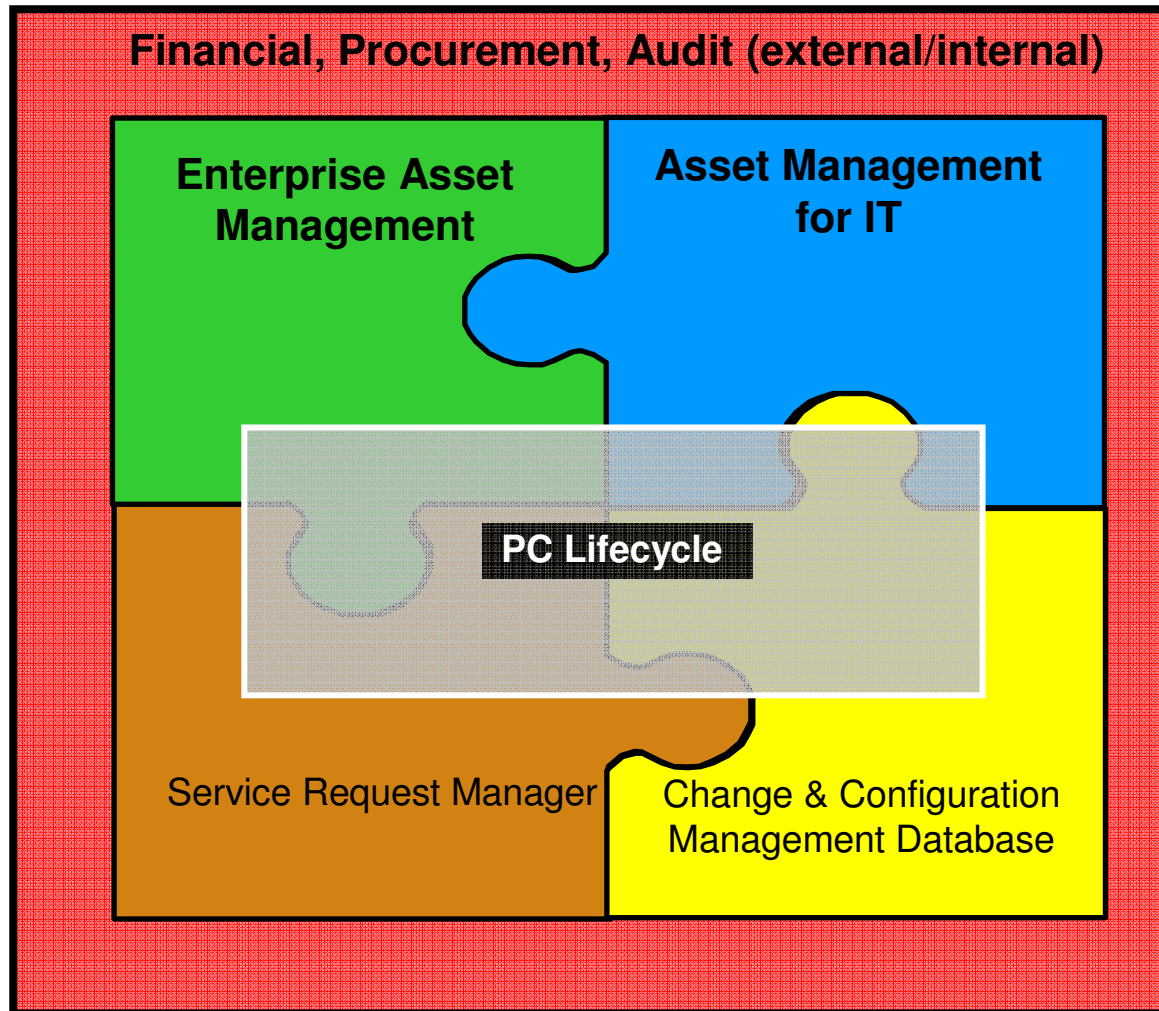
- Daily maintenance and monitor
- Checking for compliance
- Report for audit

Retire

- Provide for orderly disposition of assets: disposed, auctioned, donated and employee purchase



PC Lifecycle Management integrate with other departments





Desktop Lifecycle Management

Planning

Desktop Lifecycle Phases - Planning

Best Practice

- ✓ **Control** – IT must get control at this phase
- ✓ **Approval** – Acquire approval from management and finance
- ✓ **Replacement** – Identify those models that need to be replaced and when

required because

- new employees,
- new project

Benefits to IT

- ✓ Identify those models that need to be

IBM Approach

and maintenance records out-dated

- Bad maintenance records – breakdown too often, bad service ..etc

- ✓ Models need to be upgraded in order to support new applications or OS, e.g. Windows 2000 to Windows 7

Provide end user self-service portal for IT asset procurement

Find What You Need

Browse by Catalog





- ▶ End User Services
- ▶ IT Services

Search: Catalog: | View All Offerings | View Favorite Offerings

Offerings

Previous 1 - 4 of 4 Next

Offering UI Display

	<p><u>Acquire Microsoft Office</u> Submit this catalog request to acquire Microsoft Office 2007. SLA: 2 weeks.</p>
	<p><u>Acquire Notebook Computer</u> Submit this catalog request to acquire an IBM ThinkPad X300 notebook computer. SLA: 2 weeks.</p>
	<p><u>Firewall Change Requests</u> Submit this catalog request for a network engineering firewall change. Changes to a firewall relate to opening and closing ports to and from particular nodes.</p>
	<p><u>Lotus Notes - Create Account</u> Submit this catalog request to create a Lotus Notes ID. The generation of Lotus Notes ID has to be strictly managed by enterprises. Typically, these are handled by Administrators....</p>

Offering Catalog - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites


Address <http://127.0.0.1/maximo/ui/?event=loadapp&value=pmscoffcat&uisessionid=1269488674655> Go Links >>

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

Offerings

Find What You Need

Acquire Notebook Computer



Offering:

Description: Submit this catalog request to acquire an IBM ThinkPad X300 notebook computer. SLA: 2 weeks.

* Requested For: Attachments

Notebook RAM Size:

Notebook Hard Disk Size:

160GB
250GB
500GB

My Orders
View Favorite Offerings
1 - 2 of 2 Next >

Done Internet

Service Requests - Microsoft Internet Explorer

Management receive alert and approve or reject request

Address: http://127.0.0.1/maximo/ui/?event=loadapp&value=SR&additionalEvent=launchwf&uniqueid=299&uisessionid=1269489942061

Service Requests

Find: [] Select Action []

List Service Request Activities Related Records Solution Details Log Specifications

Service Request: 1162 Owner: [] Owner Group: [] Status: NEW
Catalog Request ID: 1035 Source: SERVICECATALOG Created By: PMSCSRUUSR

User Information

Reported By: PMSCSRUUSR Affected Person: PMSCSRUUSR
Name: Service Requisition User Name: Service Requisition User
Phone: [] Phone: []
E-mail: [] E-mail: []

Service Request Details

Offering: PMSC_AQ Acqui
Quantity: 1
Summary: Acquire Notebook Computer
Details: []
Asset: []
Location: []
Virtualized Environment?: []
Configuration Item: []
Target Description: []
GL Account: []
Asset Site: []

Task Manager Approval

Task: Manager Approval
Action:
 Accept
 Reject
Memo: []

Earlier Memos [Filter] [Download] [?]
Memo Person Transaction Date
...No rows to display...

Classification

Classification: PMSC_AQ
Classification Path: PMSC_AQ
Description: Asset Acquisition
Reported Priority: []
Impact: []
Urgency: []
Internal Priority: []
Service Group: IT
Service: PC
Vendor: []
Site: PMSCRTP
SLA Applied?: []
Date SLA Hold Time?: []
Create WO Options: MULTI
Response Plan: []

Contains commands for working with the selected items.

Start [] Screen capture.rtf - Wor... passwords.rtf - WordPad Service Requests - Mi... 12:06 PM



Desktop Lifecycle Management

Acquire

Desktop Lifecycle Phases - Acquire

Best Practice

- ✓ Consolidate requests to PO
- ✓ Link PO to Finance
- ✓ Reconcile asset with PO and Finance

Acquire

- Negotiate agreements to maximize value
- Consolidate requests for bulk purchase
- Integrate with procurement

fits to IT

omate PO issue process to send data

Benefits to IT

IBM Approach

shipment and

which PO
ent Cost

Center

- ✓ Automate update of maintenance record for renewal and keep track of maintenance cost

electronically and only to those that are required

Find: Select Action

List PO PO Lines Ship To / Bill To Terms and Conditions Specifications

PO 1068 Purchase Notebook Computer Site BEDFORD Status WAPPR Attachments

Details Dates Costs

Original STD
 Buyer Company
 Buyer Name
 Priority 0
 Record NONE

Status Date 3/26/10 12:07:33
 Ordered Date 3/26/10 12:07:33
 Required Date
 Follow-up Date
 Vendor Date

Pretax Total 1,730.00
 Total Tax 0.00
 Total Cost 1,730.00
 Currency * USD
 Total Base Cost 1,730.00



Find: Select Action

List PO PO Lines Ship To / Bill To Terms and Conditions Specifications

PO * 1068 Purchase Notebook Computer Site BEDFORD Status WAPPR Total Cost 1,730.00

PO Lines Filter 1 - 2 of 2 Download

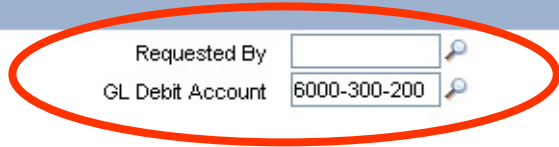
Line	Item	Description	Quantity	Order Unit	Unit Cost	Line Cost	Tax	Distributed
1	D600	Standard Laptop Computer	1.00	EACH	1,230.00	1,230.00	0.00	<input type="checkbox"/>
2	MSOFFICE	Microsoft Office XP Pro	1.00	EACH	500.00	500.00	0.00	<input type="checkbox"/>

Vendor Items Contract Items Select Spare Parts Vendor Analysis View Contracts Distribute Costs New Row

Default Table Data

Work Order Asset
 Location Storeroom HARDWARE

Requested By
 GL Debit Account 6000-300-200





Desktop Lifecycle Management

Deployment

Desktop Lifecycle Phases - Deployment

Best Practice

✓ **Golden image approach** – A single image that contains all required patches and applications and use it for cloning

shipping to end user – additional software/configuration is not before shipping to end user

✓ **Update PO and inventory** – update inventory record immediately as deployed asset

Benefits to IT

✓ No missing patches or required applications

IBM Approach

✓ Update maintenance record

✓ Update accounting for PO payment

Deployment - Golden Image

- ✓ Override existing OS with company standard OS e.g. Vista/Win 7 → XP
- ✓ Standard configuration, e.g. C drive 20GB, D drive 80GB. Password length...etc
- ✓ Apply all the required patches
- ✓ Install required applications e.g. anti-virus, email, office applications...etc

Applications

Patches

Windows XP SP3

Standard model



Store this image as a “*System Profile*” in TPM for OS server for editing and cloning



Tivoli Provisioning Manager for OSD

Vista / Windows 7

Golden Image



> tpmsvr > OS deployment > System profiles > Profile details

- Server status
- Server parameters
- Server history
- OS deployment
- Target Monitor
- Task templates
- Hardware configurations
- System profiles
- Software modules
- Server log files

Hw model : System categ 1:
 CMOS image : System categ 2:
 Comment : Reference

OS Image analysis

Windows

Boot name: Microsoft Windows XP Professional
 OS version: Microsoft Windows XP, Service Pack 2, 5.1.2600
 System root: C:\WINDOWS
 Documents directory: C:\Documents and Settings
 Administrator name: Administrator
 Sysprep mode: No
 Installed hot-fix:
 LiveUpdate 2.6 (Symantec Corporation) 2.6.18.0, from Symantec Corporation
 NVIDIA Drivers
 WinRAR archiver
 Installed software: WebFldrs XP 9.50.7523, from Microsoft Corporation
 Symantec AntiVirus 10.0.359.0, from Symantec Corporation
 WinFast(R) Display Driver 1.00.000, from Your Company Name
 Realtek AC'97 Audio 5.28, from Realtek Semiconductor Corp.
 Registry hives: System hive Software hive Default user SAM Security

Done

Original partition layout

Here is the original parti layout for all configuratio each configuration.

Disk 1:

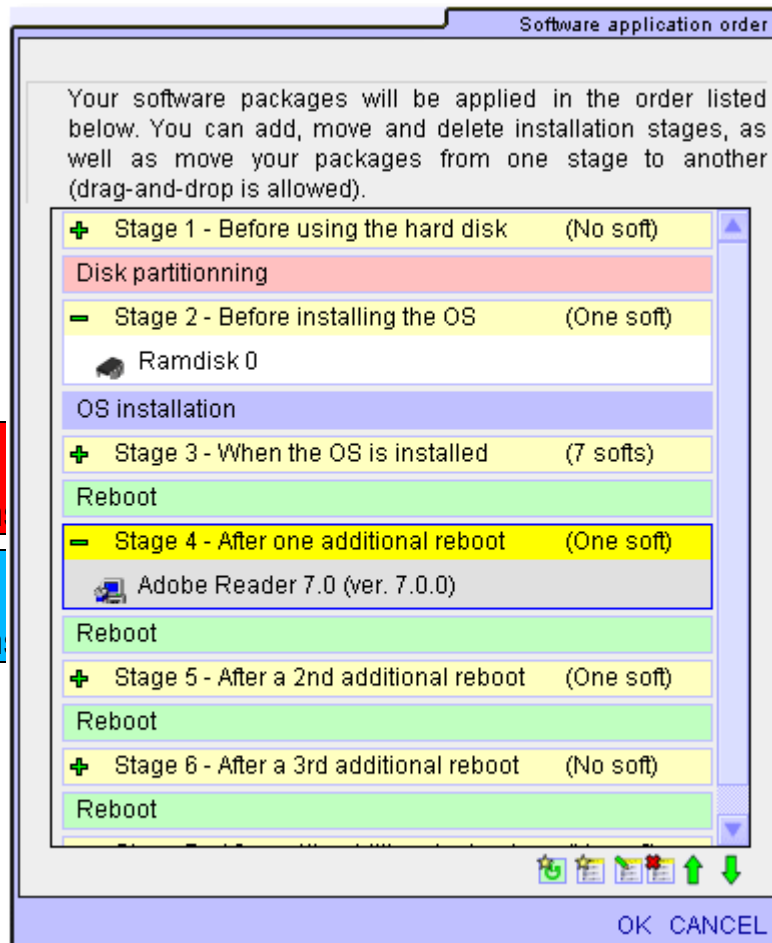
OS configurations

The operating system post-configuration parameters such as language settings, etc. are stored in one or more OS configuration objects, attached to the profile and listed below. Click on an OS configuration to view and edit it.

Back

Logout

Deploy with Golden Image and individual applications



Individual application

Individual application

- User can **create policy rule to bind** application/driver to different model of PCs.
 - Create deployment scheme to properly insert application/driver at different stages.
- For example, use Nvidia display driver XX-XXX whenever computer model begins with "AHE" and insert it after 2 reboots.

Acquire Asset – Receiving

Retrieve PO to update full, partial, return shipment.
Update Account for payment

PO 20000 Standard Notebook Computers Site BEDFORD PO Status APPR
 Company DELL Dell Computer Pretax Total 30,625.00 Receipts NONE
 Attention SMITH Roland Smith Received Cost 6,125.00 Ordered Date 2004-06-17 12:16:23
 Attachments

PO Line	Item	Description	Quantity	Order Unit	Type	Insp. Status	Actual Date
1	D600	Standard Notebook Computer	5.00	EACH	RECEIPT	W/ASSET	2004-06-17 12:35:40

Select Items for Return Select Ordered Items New Row

- Automatic asset ID generation
- Integration to bar code system / other identification tags



Desktop Lifecycle Management

Daily Management

Desktop Lifecycle Phases

Best Practice

- ✓ Compliance – Ensure patch is applied and desktop environment is secured
- ✓ Resolve end user problem – keep track problems reported by end user with proper logging
- ✓ **Monitor PC** backup critical applications.

Benefits to IT

- ✓ Provide reports to management on asset usage and redeployment

IBM Approach

critical data on
ade, system
e failure

upgrade and

application deployment
issues

- *Closure of IMAC*
- *Asset reconciliation*
- *Manage costs*

Manage

- Daily maintenance and monitor
- Checking for compliance
- Report for audit

IT needs to collect desktop inventory;
distribute software; verify security
compliance and software installed

What can be done better through IBM?

Computers Web Replay Bulletins: (1) Go To Reports

Find: Select Action

List **Computer** Processors Storage Software Network **Communication** Media Adapters Displays Image Devices Users

Computer: Site: Role:

Computer Details

Serial Number	<input type="text" value="QM4ZM"/>	Logon	<input type="text" value="Administrator"/>
Asset Tag	<input type="text"/>	Domain	<input type="text" value="ACTIVEDIRECTORY"/>
Manufacturer	<input type="text" value="Dell"/>	GUID	<input type="text"/>
Make/Model	<input type="text" value="OptiPlex GX1 400MTbr+"/>	Actual CI	<input type="text"/>

RAM Information

RAM Type	<input type="text"/>	BIOS	<input type="text" value="Dell A08"/>
RAM Description	<input type="text" value="Total Ram"/>	BIOS Version	<input type="text" value="A08"/>
RAM Size	<input type="text" value="128.00 MB"/>	BIOS Date	<input type="text" value="2000-01-06 00:00:00"/>
RAM Total Slots	<input type="text" value="0"/>	PNP?	<input type="checkbox"/>
RAM Unused Slots	<input type="text" value="0"/>	?	<input type="checkbox"/>

Motherboard Information

Motherboard Description	<input type="text"/>	Action Tool	<input type="text" value="Maximo Discovery 4"/>
-------------------------	----------------------	-------------	---

Navigation Tabs:

- Computer
- Processors
- Storage
- Software
- Network
- Communication
- Media Adapters
- Displays
- Image Devices
- Users

Offering Catalog - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites

Address <http://127.0.0.1/maximo/ui/?event=loadapp&value=pmscoffcat&uisessionid=1269488674655> Go Links

Offering Catalog

Find What You Need

End user raise request through service catalogue

Same interface as raising request for desktop

Out Help IBM

My Orders


Browse by Catalog

- End User Services
- IT Services


Search: Catalog: | View All Offerings | View Favorite Offerings

Offerings Previous 1 - 4 of 4 Next


Offering UI Display




Acquire Microsoft Office
Submit this catalog request to acquire Microsoft Office 2007. SLA: 2 weeks.



Acquire Notebook Computer
Submit this catalog request to acquire an IBM ThinkPad X300 notebook computer. SLA: 2 weeks.



Firewall Change Requests
Submit this catalog request for a network engineering firewall change. Changes to a firewall relate to opening and closing ports to and from particular nodes.



Lotus Notes - Create Account
Submit this catalog request to create a Lotus Notes ID. The generation of Lotus Notes ID has to be strictly managed by enterprises. Typically, these are handled by Administrators....

Done Internet

Incidents

Find: Select Action

- List
- Incident**
- Activities
- Related Records
- Solution Details
- Log
- Failure Reporting
- Specifications

Incident: Owner: Owner Group: Status: Attachments:

Source: Created By:

User Information

Reported By: <input type="text" value="LINDAC"/>	Affected Person: <input type="text" value="LINDAC"/>
Name: <input type="text" value="Linda Carter"/>	Name: <input type="text" value="Linda Carter"/>
Phone: <input type="text" value="(621) 612-9083"/>	Phone: <input type="text" value="(621) 612-9083"/>
E-mail: <input type="text" value="lindac@acore.org"/>	E-mail: <input type="text" value="lindac@acore.org"/>

Incident Details

Summary: <input type="text" value="Testing Summary"/>	Classification: <input type="text" value="21010101"/>
Details: <input type="text"/>	Classification Path: <input type="text" value="21 \ 2101 \ 210101 \ 21010101"/>
Asset: <input type="text" value="SRMSERVER"/> <input type="text" value="SRM Server"/>	Class Description: <input type="text" value="IT Issue \ Hardware \ Desktop \ Boot"/>
Location: <input type="text" value="SRMSITE"/> <input type="text" value="SRM Location/Site"/>	Indicated Priority: <input type="text"/>
Configuration Item: <input type="text"/>	Reported Priority: <input type="text"/>
Target Description: <input type="text"/>	Impact: <input type="text" value="1"/> <input type="text" value="Critical"/>
GL Account: <input type="text"/>	Urgency: <input type="text" value="2"/> <input type="text" value="High"/>
Asset Site: <input type="text" value="SRMSITE"/>	Internal Priority: <input type="text" value="1"/> <input type="text" value="Urgent"/>
	Service Group: <input type="text"/>
	Service: <input type="text"/>
	Vendor: <input type="text"/>
	Site: <input type="text" value="PMSCRTP"/>
	SLA Applied?: <input type="checkbox"/>
	Create WO Options: <input type="text" value="MULTI"/>

Dates

Reported Date: <input type="text" value="2009-02-19 14:40:57"/>	Target Contact: <input type="text"/>	Actual Contact: <input type="text"/>	Global Issue?: <input type="checkbox"/>
Affected Date: <input type="text" value="2009-02-19 14:40:57"/>	Target Start: <input type="text"/>	Actual Start: <input type="text" value="2009-02-20 09:09:26"/>	Related to Global ID: <input type="text"/>
Creation Date: <input type="text" value="2009-02-19 14:40:57"/>	Target Finish: <input type="text"/>	Actual Finish: <input type="text"/>	Global Class: <input type="text"/>

Desktop Computers - Microsoft Internet Explorer

Address: http://epmgr1.demo.tivoli.com:9080/maximo/ui/?event=loadapp&value=dtmsystem&uisessionid=1268732720499

Desktop Computers

All Desktop Computers Find: Select Action

Computer Details Custom Properties Related Groups Hardware Inventory Software Inventory Agent Details Tivoli Management Agents Compliant

Host Name * TIVSVR10 IP Address 192.168.120.26

Domain Name demo.tivoli.com

My Filter Tag

Select a Remote Control Policy

Start Remote Control

Full Takeover

Reboot Only

Guidance Mode Only

Hardware

Description

Manufacturer NVIDIA

Model AWRDACPI

BIOS Serial Number

BIOS ID FFFFFFFF-FFFF-FFFF-FFFF-FFFFFFFFFFFFFF

MAC Address 00:14:85:35:0B:2B

Owner

System Volume Serial Number 5859C27F

Processor Type i1586

Processor Serial Number 178BFBF00020F32

IDE Adapter ID PCIIVEN_10DE&DEV_0053&SUBSYS_50...

SCSI Adapter ID

Clear Select existing

Operating System

Description

System Owner

Name Microsoft Windows XP Professional

Version 5.1.2600

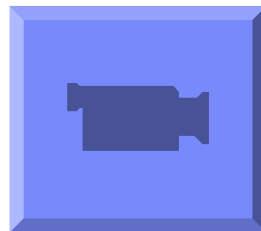
IT support can review hardware and software inventory during remote support session to spot inconsistency

IT support provides remote support to end user through the same interface

Contains commands for working with the selected items.

Start Desktop Computers - ... Windows Task Manager 12:24 PM

Remote Control Video Demo

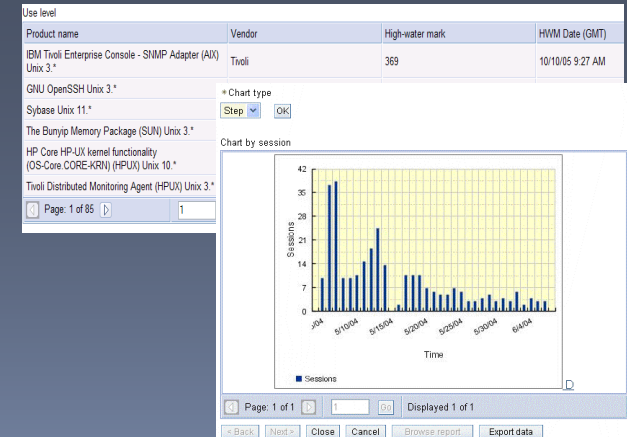


Tivoli Asset Discovery for Distributed SW Inventory and License Management

Tivoli License Compliance Manager identifies software inventory, measures use activity, and automatically links complex license entitlements to installed inventory and use activity to help manage software costs and license compliance in the distributed environment.

Highlights

- ✓ Automatically identify distributed software use activity to help proactively manage increasingly complex license compliance.
- ✓ Support for virtualized environments including **VMWare**.
- ✓ Identify software inventory with no or low use to help reduce unnecessary license fees and maintenance costs.
- ✓ Monitor software use and related growth to plan cost-effectively for future capacity needs.
- ✓ Help make funds available for software projects that keep your organization competitive and give business units the value they expect.
- ✓ Support for **Software Bundles**.
- ✓ Enables IT to align software spending with business priorities.



“As one of the world’s leading intellectual property rights offices, we must be at the leading edge in how we deal with the intellectual property rights of software providers. It would be stunningly embarrassing if we were found not paying for software that we were using.”

***–David Allin
Director, Planning, Security and
Inventory, EPO***

Deploy Asset – Software License View

Software License View

Web Replay | Bulletins: (1) | Go To | Reports

All Records | Find: | Select Action

Advanced Search | Save Query

Software Licenses | Filter | 1 - 5 of 5

Description	Vendor	Capacity	Capacity Unit	Calculated Capacity	Capacity Delta	License Type	Scope	Platform	License Location	CPU Compliant	Enterprise	Installed/Used	Start Date	Expiration Date	Remarks	License Number	Associated?
MS DOS utils V10	Microsoft																
Informix Enterprise License	Microsoft																
MSN Enter	Microsoft																
Word	Microsoft																
Microsoft Word	Microsoft	1000	Installed Instance	0	1,000	Installed Instance	Enterprise	Windows		COMPLIANT	Golden Bank	Installed	2008-03-04 00:00:00	2018-03-04 00:00:00		TLM_703444_34	<input type="checkbox"/>

Select Records

Details

Capacity: 1000
 Capacity Unit: Installed Instance
 Calculated Capacity: 0
 Capacity Delta: 1,000

IBM Proventia Desktop Endpoint Security

Helping to secure your desktops with multilayered protection

Features

- Uses a patented behavioral analysis method¹ to stop known and new viruses, Trojans, worms and spyware
- Allows administrators to build customized lists of authorized and unauthorized applications
- Helps ensure that clients have updated antivirus software
- Automatically updates and applies security policies to newly discovered vulnerabilities
- Single management console

Providing protection against emerging threats—before they have a negative impact on your business

Potential benefits

- Provides for robust protection at a lower cost
- Blocks attacks through Virus Prevention System (VPS), Buffer-overflow exploit prevention, Vulnerability-centric intrusion prevention, Anti-virus and anti-spyware signatures, Personal firewall, and Application control
- Designed for easy integration with existing corporate infrastructure
- Helps ensure that desktop systems are running protective software before granting access to corporate networks

Why IBM?

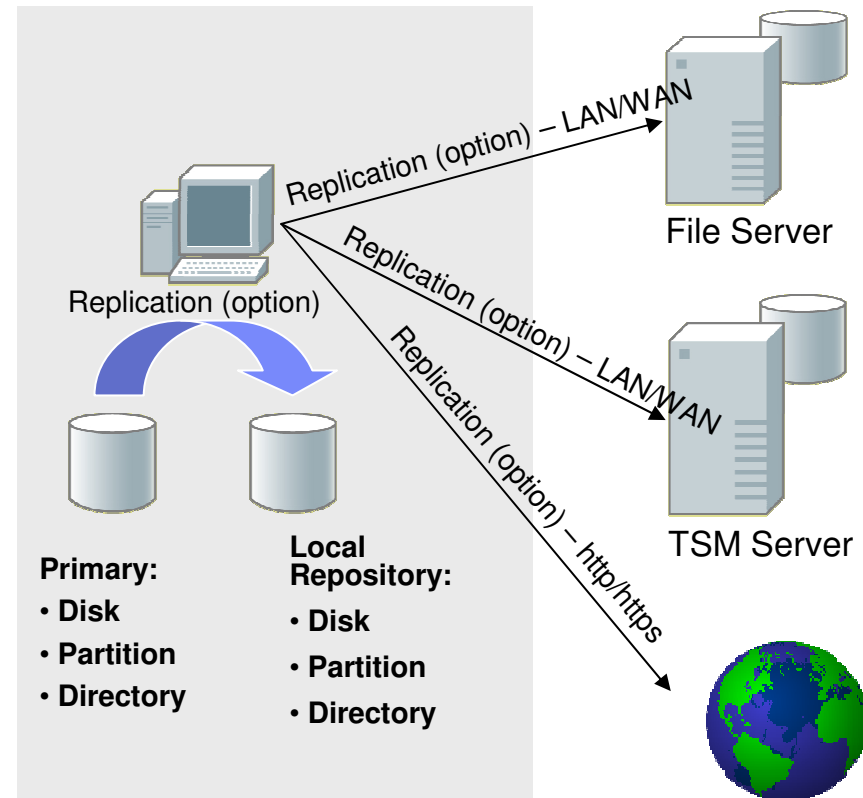
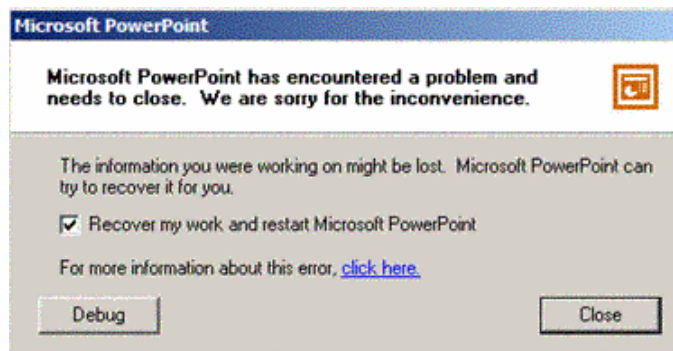
- **True preemptive protection—ability to identify and block unknown, evolving attacks**
- **Multiple threat analysis techniques—not just signature-based**
- **Vulnerability-based security provided by research leaders**
- **Effective default protection policy**
- **Hands-free, out-of-the-box protection**
- **Scalable, central management capability**

Tivoli Storage Manager Fastback for Workstations*

End Point Backup

- Invisible **real** time file replication
- Point-in-time restore
- Archive retention
- Multiple targets – any server or TSM for off host

- 70+% of corporate data resides on desktops / laptops
- More than 92% are not backed up at all
- End-users everywhere simply do not backup because no transparent solution is available



*Formerly "Tivoli Continuous Data Protection for Files"



Desktop Lifecycle Management

Retirement

Desktop Lifecycle Phases

Best Practice

- ✓ **Identify asset** – identify which asset to retire
- ✓ **Integrate with accounting** – update accounting records
- ✓ **Update maintenance record** – update asset maintenance to reflect a
- ✓ **Issue workflow** - en
out or erased before it i
- ✓ **Ensure harmful mat
properly disposed**

IBM Approach

Retire

- Provide for orderly disposition of assets: disposed, auctioned, donated and employee purchase
- Issue workflow order for employees to follow

- **Asset recovery and cleansing**
- **Lease end notification**
- **Asset replacement initiation**

Vendor analysis – should I continue to use this vendor for replacement asset

File Edit View Favorites Tools Help

Back Search Favorites

Address <http://10.100.100.86:9080/maximo/ui/login?uisessionid=1246866094664>

Purchase Orders Web Replay Bulletins: (1) Go To Reports Start Center

View Vendor Analysis

Item: D600 Standard Laptop Computer

Vendors 1 - 3 of 3

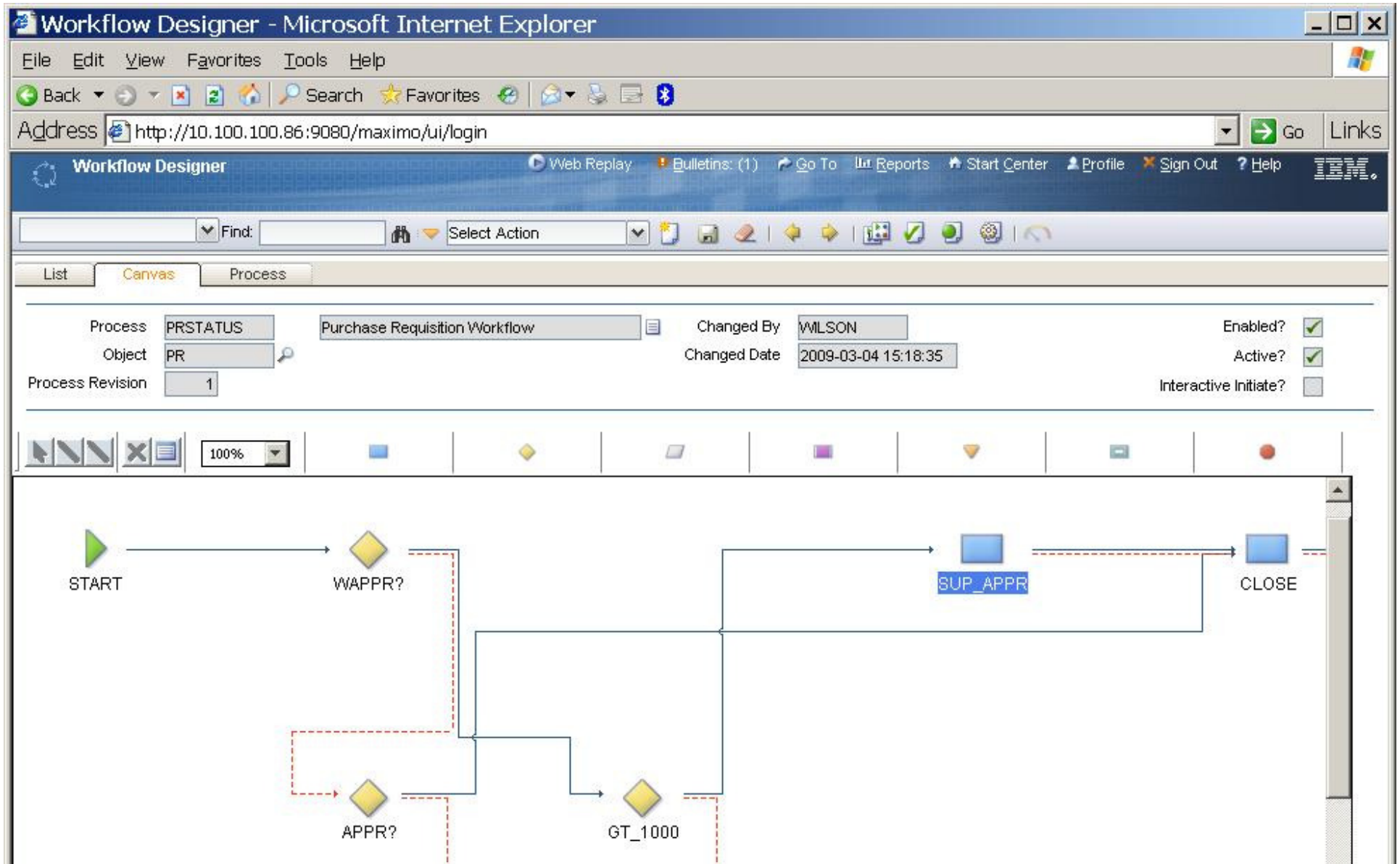
Vendor	Manufacturer	Model	Catalog #	Total # Complete POs	Last Price	Last Order Date	Promised Lead Time (Days)	Cont
DATACHIP	DATACHIP	D600	RT6700	0	1,230.00	2004-10-08	2	1007
DELL	DELL			0	1,225.00	2004-06-17	0	
DELL BOSTON	DELL	D600		0	120.00	2004-07-01	0	

Details

Vendor	DATACHIP	Contract	1007	Total # Complete POs	0
Manufacturer	DATACHIP	Contract Type	LEASE	Quantity Received	15.00
Model	D600	Promised Lead Time (Days)	2	Quantity Received YTD	1,309.50
Catalog #	RT6700	Last Delivery Time	0.00	Quantity Rejected	0.00
Order Unit	EACH	Average Delivery Time	0.00	Quantity Rejected YTD	4.00
Currency	USD	Percent on Time		Percent Rejected	0.00
Last Price	1,230.00			Percent Rejected YTD	0.30
Last Order Date	2004-10-08				

Set Primary Vendor

Workflow Designer for proper approval of disposal



-Issue work order flow for people to follow for disposal

Work order provides steps and sequence to properly dispose device with confidential data and dispose harmful material in the right order for environment protection.

Sequence	Task	Summary	Estimated Duration	Status	Owner	Owner Group
▶	60	Inspect impeller for wear	0:10	WAPPR		
▶	70	Record amperage and voltage with motor oper:	0:15	WAPPR		
▶	90	Inspect main disconnect and all electrical.	0:15	WAPPR		
▶	11	20 Check pump float switch.	0:30	WAPPR		
▶	33	30 Check housing for leaks.	0:10	WAPPR		
▼	39	10 Check pump operation.	0:20	WAPPR		

Task Information

Task*	10	Check pump operation.	Under Flow Control ?	<input type="checkbox"/>	Attachments	
Sequence	39		Flow Action	<input type="text"/>	Inherit Status Changes ?	<input checked="" type="checkbox"/>
Status	WAPPR		Suspend Flow Control ?	<input type="checkbox"/>	Accepts Charges ?	<input checked="" type="checkbox"/>
Classification	<input type="text"/>		Flow Action Assist ?	<input type="checkbox"/>	Owner	<input type="text"/>
Classification Description	<input type="text"/>		Launch Entry Name	<input type="text"/>	Owner Group	<input type="text"/>
					Route	<input type="text"/>
					Route Stop	<input type="text"/>

Work Reference Information

Reference WO	T1081	Service Group	<input type="text"/>	Observation	<input type="text"/>
Location	BR430	Service	<input type="text"/>	Inspector	<input type="text"/>
Asset	11430			Measurement Point	<input type="text"/>
				Measurement Value	<input type="text"/>
				Measurement Date	<input type="text"/>

Scheduling Information

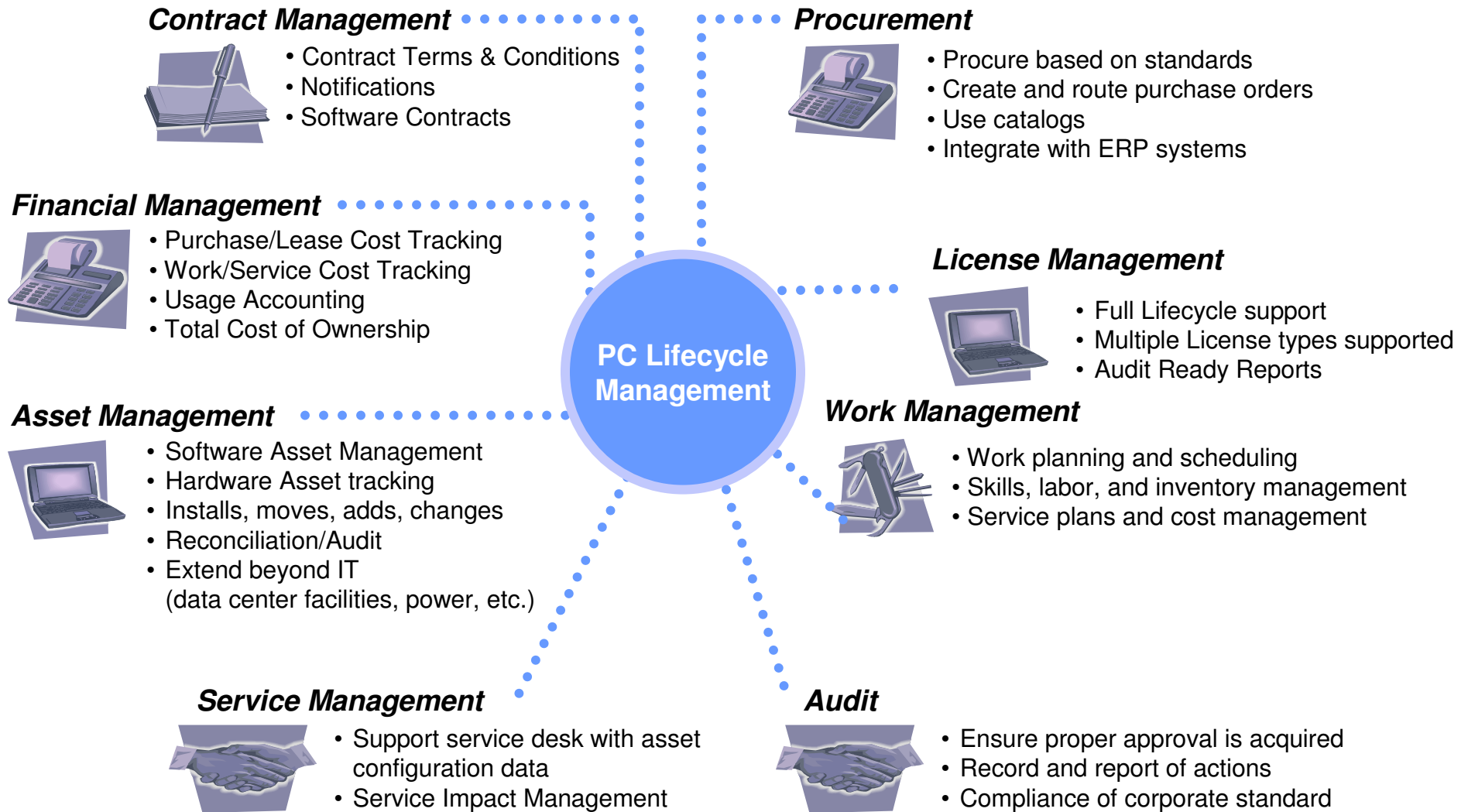
Target Start	<input type="text"/>	Actual Start	<input type="text"/>
Target Finish	<input type="text"/>	Actual Finish	<input type="text"/>
Scheduled Start	<input type="text"/>	Estimated Duration*	0:20
Scheduled Finish	<input type="text"/>	Time Remaining	<input type="text"/>
		Predecessors	70,90



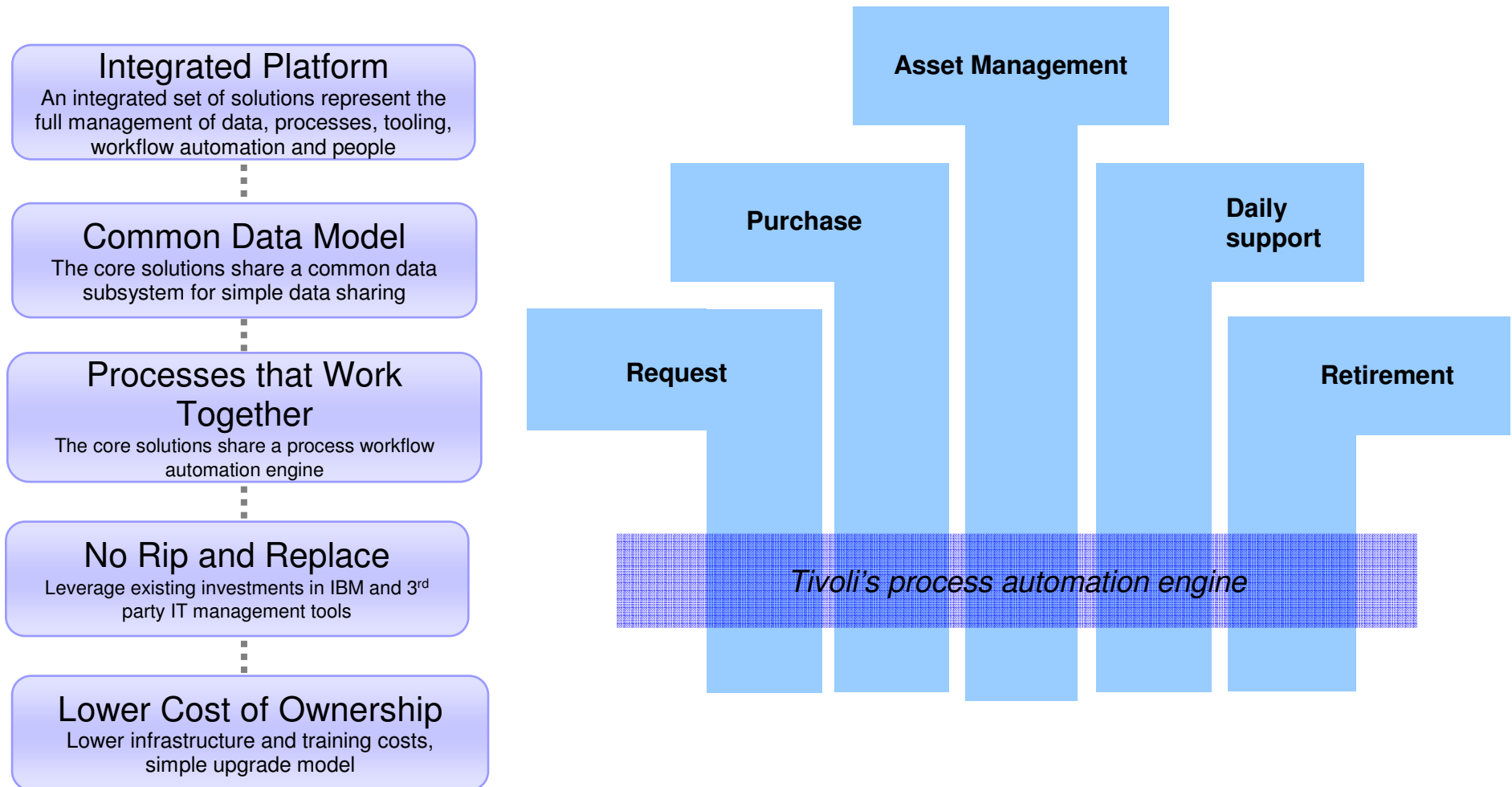
Desktop Lifecycle Management

Kickstart PC Lifecycle Management

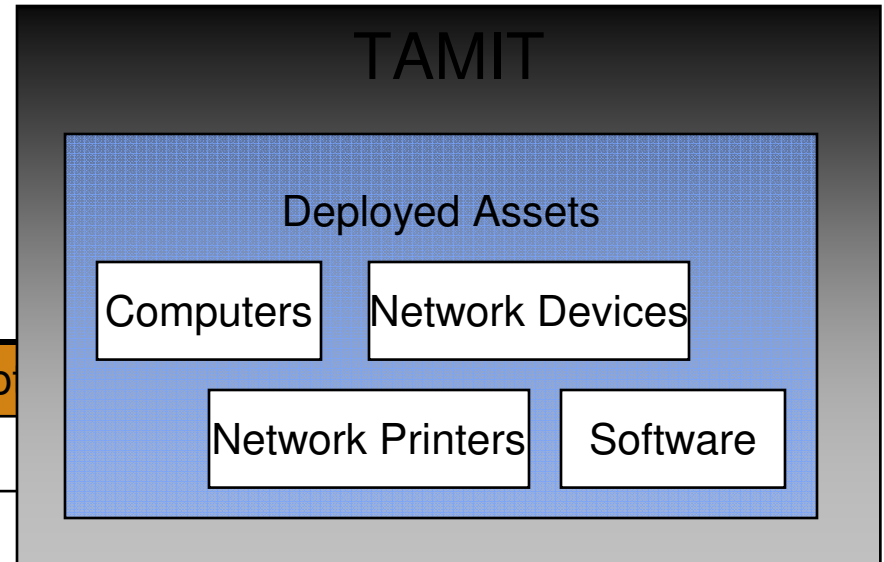
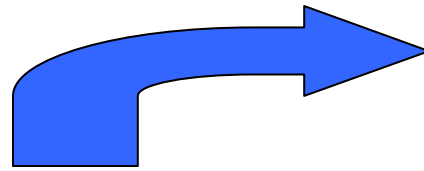
IBM view of PC Lifecycle Management involvement areas



Unified interface for different tasks can start at any point !

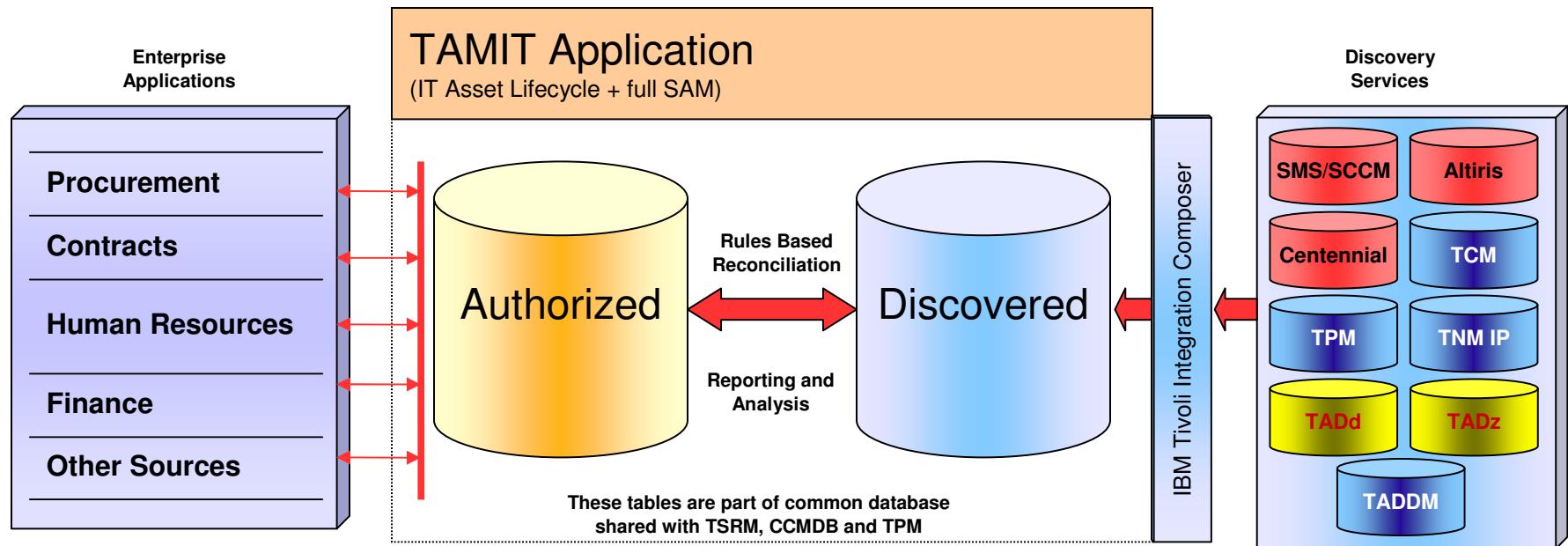


Open and integrate with existing tools



Discovery Tool	Notes
Altiris Inventory Solution	
Centennial Discovery	
Maximo Discovery	
Microsoft SMS	
Tivoli Application Dependency Discovery Manager	Agent-less discovery on server configuration and dependency
Tivoli Configuration Manager	Agent-based provisioning
Tivoli License Compliance Manager	Agent-based SW discovery
Tivoli License Compliance Manager for z/OS	
Tivoli Provisioning Manager	Agent-based provisioning
Tivoli Network Manager IP Edition	Agent-less discovery on network devices

Tivoli Asset Management for IT



Authorized Asset

- Authorized assets is the inventory of record
- The Assets are populated via the procurement process and other business processes
- Hardware is entered as assets
- Software is entered as entitlements
- Attributes include: asset, software licenses, location, features, assigned to, condition monitoring, etc

Out of the Box Reconciliation

- Linkage based on unique attribute(s), like serial number
- Identification of 'authorized' Assets missing in Deployed Asset Inventory
- Identification of Deployed Assets missing in 'authorized' Asset Inventory
- Comparison of attributes/specifications

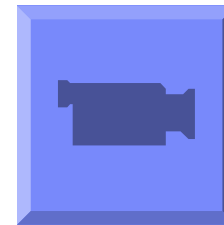
Maximo Enterprise Adapter for SAP



Demo Scenario

Demo Scenario

- **Computer Compliance**



- **Work Ready**



Compliance important points are:

- IT is able to enforce compliance

Work Ready means the desktop is ready to use by end user as well as comply to IT policy must be made known and with documented approval and management support

Questions?

