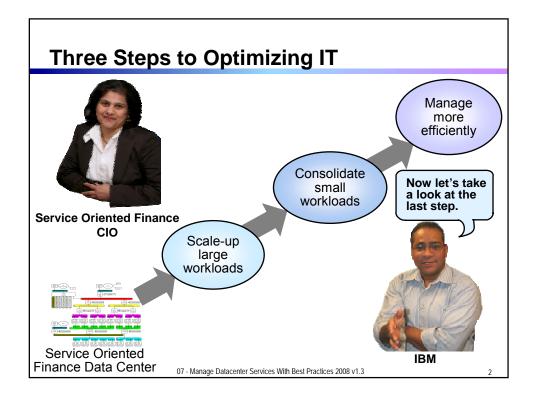
Building a Better Infrastructure With IBM Middleware on System p

Manage Datacenter Services
With Best Practices



Managing Service Requests in the Data Center

We get hundreds of service requests each day.

My new employees don't have the experience to handle them.



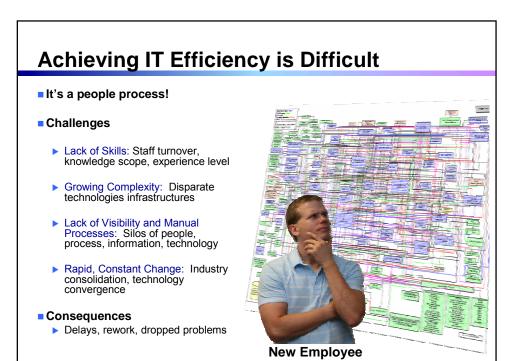
Service Oriented Finance Data Center Manager



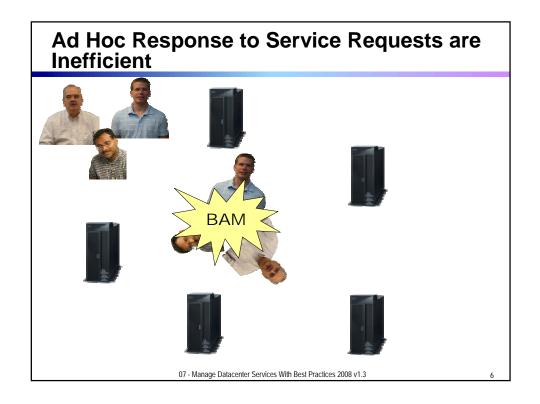
New Employee

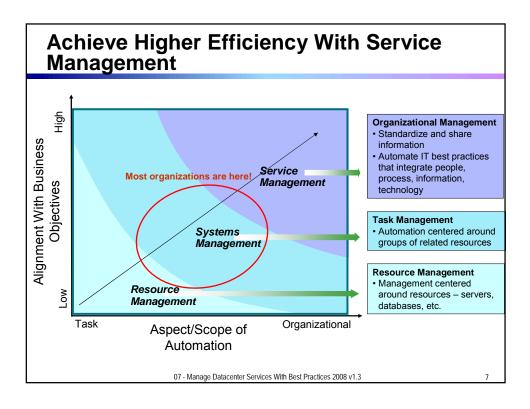
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Rising Server Management Costs 60 60 Spending 55 (US\$B) **Physical** \$300 Server Installed 45 Base (Millions) Power and Cooling Costs \$250 Server Mgt and Admin Costs 35 New Server Spending \$200 30 \$150 25 20 \$100 15 \$50 Source: IDC, May 2006 Total cost of ownership (TCO) for servers continues to rise significantly, even as total server spending remains nearly flat - Management costs are the reason, driven by the increasing number of systems 07 - Manage Datacenter Services With Best Practices 2008 v1.3



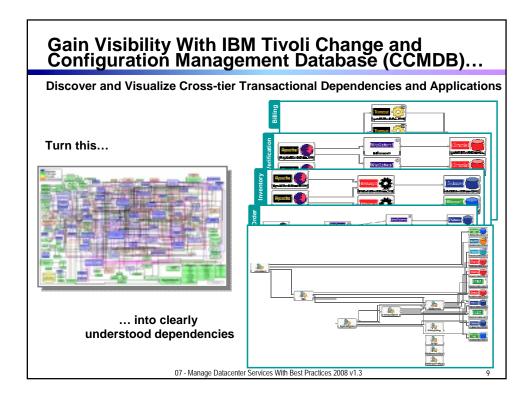
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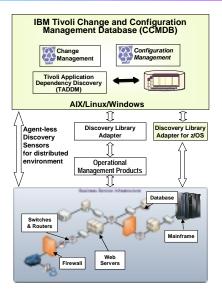
IBM Prescriptive Approach To IT Service Management – Visibility, Control, Automation

- Visibility -- Know what you have to efficiently manage changes
 - ▶ IBM Tivoli Change and Configuration Management Database (CCMDB) standardizes and shares data on configuration and change histories, automates configuration and change processes
- Control -- Establish a process to manage customer requests for service issues
 - ▶ IBM Tivoli Service Request Manager provides a single point to submit tickets for service requests, view updates and search solutions
- Automation -- Automate core IT management processes to efficiently resolve issues and increase employee productivity
 - Tivoli Enterprise Portal and IBM Operational Management products integrate with IBM Tivoli Service Request Manager and IBM Tivoli CCMDB

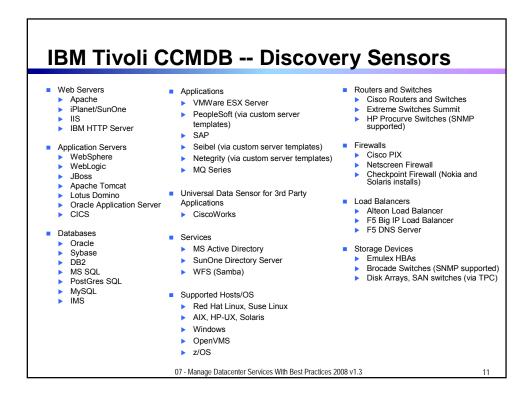


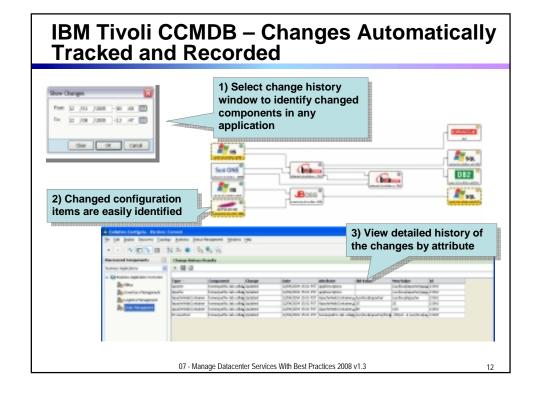
IBM Tivoli CCMDB – Application Dependency Discovery, Change and Configuration Management

- Configuration management database
 - Discover assets in environment
 - 200 out-of-the-box sensors discover distributed data center components
 - Discovery library adapter for z/OS discovers z/OS elements, CICS, DB2, IMS, MQ, WebSphere
 - Discovery adapters for various other data sources
 - Gives single master view from disparate configuration data sources
 - Automated dependency mapping
- Integrated configuration and change management processes



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How do we keep track of all the service requests to make sure that they are handled properly?



Service Oriented Finance Data Center Manager

IBM Tivoli Service Request Manager provides a service desk to help you centrally manage your service issues. It can also automate your core IT processes such as incident and change... Let me show you!



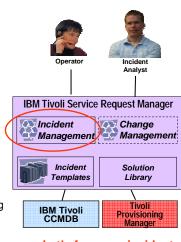
IBM

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IBM Tivoli Service Request Manager -- One Solution for Unified Process Management

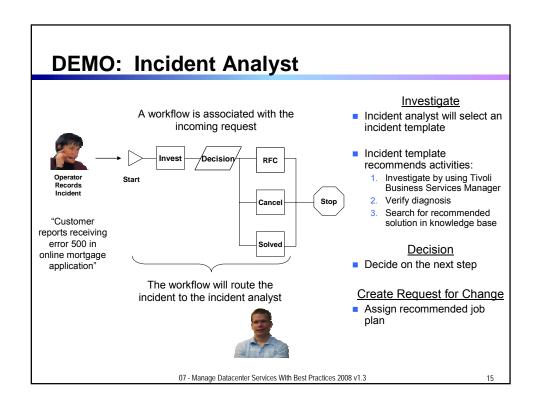
- Central point to manage responses to customer requests for help, information and service
- Create incident templates for common service desk calls and library of reusable solutions
 - Use templates to quickly create tickets for incidents, problems, changes
 - View updates and search library for solutions to solve problems guickly
- Automates incident and change management processes
 - Integrates with CCMDB to accurately assess IT infrastructure
 - Integrates with Operational Management products to automate tasks (for example: Tivoli Provisioning Manager)

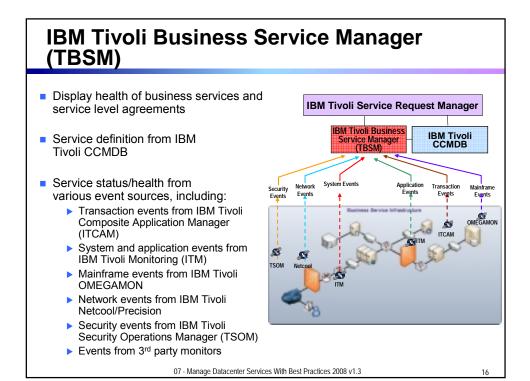


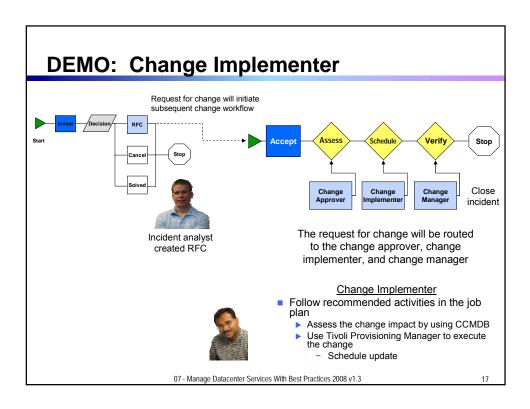
Let's focus on incident management process!

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IBM Tivoli Provisioning Manager (TPM)

- Automates manual tasks of provisioning and configuring environments
 - Operating systems
 - Patches
 - Middleware
 - Applications
 - Storage and network devices
 - Virtual environments
- Tasks automated through best practice automation workflows
 - ▶ Pre-built Workflows describe provisioning steps
 - ▶ Automation package developer environment to customize for data center best practices and procedures
 - Automatic workflow execution with verification at each step

IBM Service Management Portfolio

- Service management platform to gain visibility
 - ► IBM Tivoli Change and Configuration Management Database (CCMDB) discovers and federates IT information spread across the enterprise
- Process management products to automate IT processes
 - ▶ Tivoli Service Request Manager
 - ▶ Tivoli Release Process Manager
 - ▶ Tivoli Availability Process Manager
 - ▶ Tivoli Storage Process Manager
 - Tivoli Capacity Process Manager
- Operational management products to automate tasks
 - Business application management products
 - Tivoli Business Service Manager
 - Server, network and device management products
 - Tivoli Provisioning Manager
 - Security management products
 - Storage management products

Products discussed in this presentation

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IBM Service Management – One Integrated, Unified Platform

- IBM Tivoli CCMDB
 - Comprehensive out-of-the-box automated discovery, mapping and tracking of changes
 - Serves as a platform for process management
- IBM Tivoli Service Request Manager
 - Unified platform for incident, change and release processes
 - Built-in tools allow users to quickly and easily make changes to workspace, user interface, workflows and reports
 - Integrates with operational products to automate tasks within processes

IBM Tivoli Service Request Manager Templates, Solution Library, Configuration Tools Change Management Out-of-the-box integration Out-of-the-box automated discovery And Out-of-the-box automated discovery

IBM rated #1 IT Service Management Vendor!*

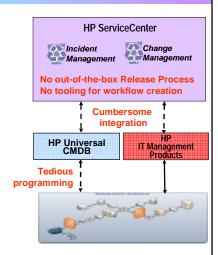
*Ovum Summit Report: ftp://ftp.software.ibm.com/ software/ tivoli/ whitepapers/ ITSM Vendor Report Card - Turner 12-06.pdf

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HP Service Management – Lacks Integration, Tedious Programming Required

- HP Universal CMDB
 - HP Universal Configuration
 Management Database (CMDB)
 requires tedious programming to create
 maps and complex discovery patterns
- HP ServiceCenter
 - Limited to incident and change process
 - No tooling for workflow creation and modification
 - Lacks out-of-the-box integration with HP Universal CMDB and HP IT management products for automating tasks within processes
- Result: Costly Service Engagements



Source: IBM SWG Competitive Research, 2007

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Tivoli Service Request Manager Reference



- "We were able to integrate our entire ITIL framework and automate our service and support delivery capabilities through the IBM asset and service management solutions." - Sharad Joshi, Assistant Vice President, Enterprise Services Group, Birlasoft.
- Benefits
 - Nearly 80 percent decrease in the number of help desk calls each day
 - ▶ 22 percent reduction in the number of service tickets
 - ▶ 10 percent decrease in incident resolution times
 - 6 month return on investment

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