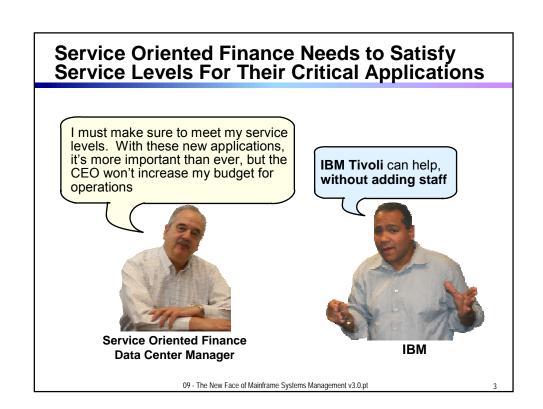
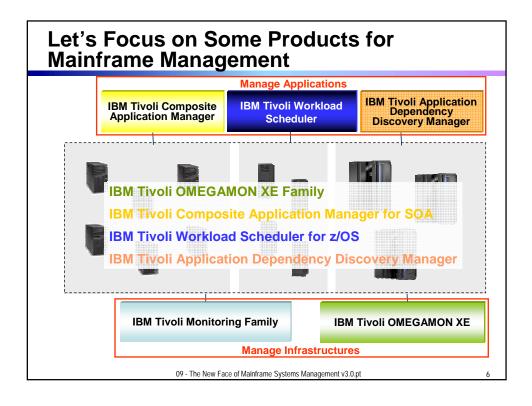
The Modern Mainframe... At the Heart of Your Business

IT Service Management

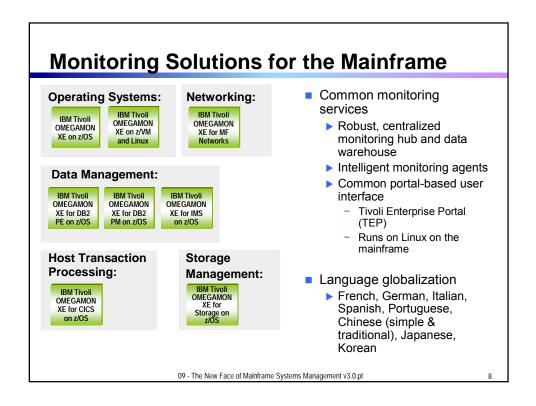


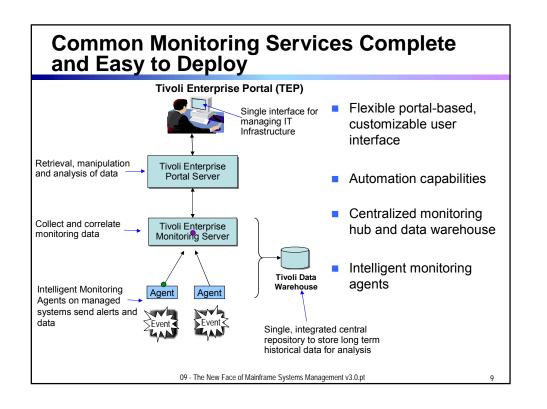


Let's Focus on Some Products for Mainframe Management

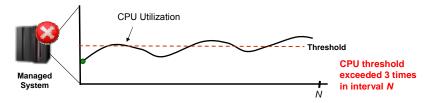
- Manage Resources
 - Monitor health of the mainframe components and middleware such as DB2 and CICS
 - IBM Tivoli OMEGAMON XE Family
- Manage Web Services
 - Monitor web services to identify the source of bottlenecks or failures in services
 - IBM Tivoli Composite Application Manager for SOA
- Manage Traditional Batch Workloads
 - Monitor, plan and control the processing of batch workload
 - IBM Tivoli Workload Scheduler for z/OS
- Manage Changes
 - Discover and visualize application topology to track changes and compliance
 - IBM Tivoli Application Dependency Discovery Manager

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Intelligent Monitoring with Situations and Automation



- Detect and repair incidents as they occur with both supplied and customizable situations
 - Out-of-the-box supplied situations include combination of metrics and thresholds to trigger, identify, notify and solve problems
 - Built-in situation editor allows to customize to create granular notification and eliminate false alarms
- Expert advice can help obtain detailed explanation of problems and recommendation for resolution
- Take action to automatically resolve recurring problems by running existing or customized scripts

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Monitor DB2 Performance with IBM Tivoli OMEGAMON XE for DB2 PE on z/OS

- Monitor, analyze and tune the performance of IBM DB2 Universal Database and IBM DB2 applications
 - ▶ Monitor threads, lock conflicts, I/O, buffer pools, and SQL cache
 - ▶ Monitor interaction of DB2 with CICS, IMS, and batch processes
 - Monitor DB2 Connect and track communication between DB2 Connect and host thread
- Provides in-depth analysis with a wide range of detailed, customizable reports
- Increase productivity
 - Customizable workspaces, intelligent situation definition, expert advice and take action

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DEMO: Resolve DB2 Lock Conflicts with IBM Tivoli OMEGAMON XE DB2 PE on z/OS

- Monitor DB2 threads
- Raise a situation isolating lock conflict between DB2 threads updating customer records
- Take Action to issue cancel command to resolve conflict



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Monitoring Web Services

How about monitoring applications based on Web services/SOA?



Data Center Manager

You can do this with IBM Tivoli Composite Application Manager (ITCAM) for SOA!



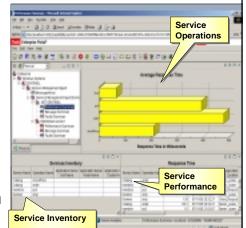
IBM

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- Isolate web service performance problems
 - ➤ Track key service metrics such as response time, number of messages, message size, faults
- Automation to resolve issues
 - ▶ Built-in and extensible alerts, situations enable powerful automation scenarios
- Integration with WebSphere Service Registry and Repository (WSRR)
 - Allows for reconciliation of services registered in WSRR with those monitored in target systems by ITCAM for SOA
 - ➤ Forwards status information to WSRR to allow users to select services based on performance and other metrics



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What about managing batch workloads?



Data Center Manager

Let me tell you about IBM Tivoli Workload Scheduler for z/OS!



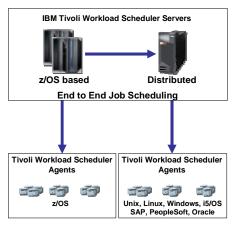
IBM

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Workload Management with IBM Tivoli Workload Scheduler for z/OS

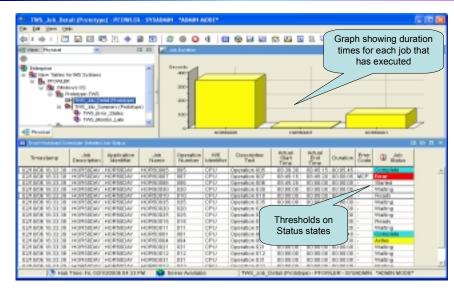
- Automates, plans and controls the processing of production workload across your environment
 - Drives workload performance according to business objectives
 - Dynamic real-time workload automation in addition to calendar and event-based scheduling
 - Critical path monitoring and integration with System z Workload Manager to reduce delay in a critical batch workload
- Integrates with IBM Tivoli Workload Scheduler (for distributed platforms) to provide a true end-to-end Job Scheduler solution



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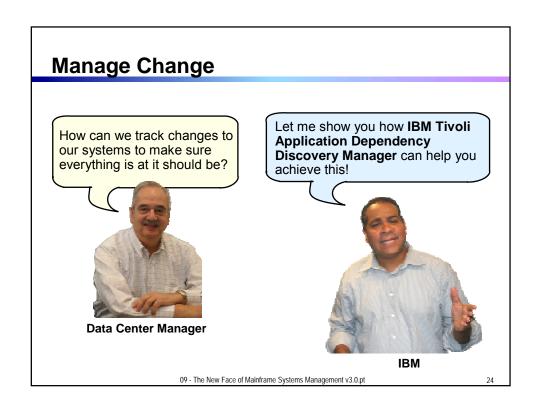
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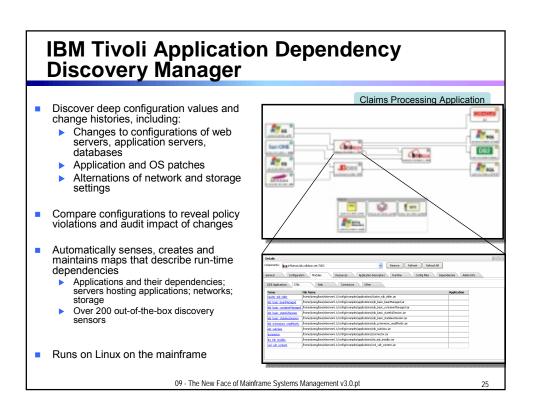
Details for a Job Description Example – IBM Tivoli Workload Scheduler for z/OS



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IBM Tivoli Application Dependency Discovery Manager -- Discovery Sénsors Web Servers Applications Routers and Switches Apache ► VMWare ESX Server ► PeopleSoft (via custom server VMWare ESX Server Cisco Routers and Switches iPlanet/SunOne Extreme Switches Summit HP Procurve Switches (SNMP supported) templates) IBM HTTP Server Seibel (via custom server templates) Firewalls Application Servers Netegrity (via custom server templates) Cisco PIX WebSphere Netscreen Firewall WebLogic Checkpoint Firewall (Nokia and Solaris installs) JBoss Universal Data Sensor for 3rd Party Apache Tomcat Applications Lotus Domino CiscoWorks Load Balancers Oracle Application Server Alteon Load Balancer Services F5 Big IP Load Balancer MS Active Directory F5 DNS Server Databases SunOne Directory Server Oracle WFS (Samba) Storage Devices Sybase ▶ Emulex HBAs Supported Hosts/OS Brocade Switches (SNMP supported) MS SQL Red Hat Linux, Suse LinuxAIX, HP-UX, Solaris Disk Arrays, SAN switches (via TPC) PostGres SQL MySQL Windows OpenVMS 09 - The New Face of Mainframe Systems Management v3.0.pt

