

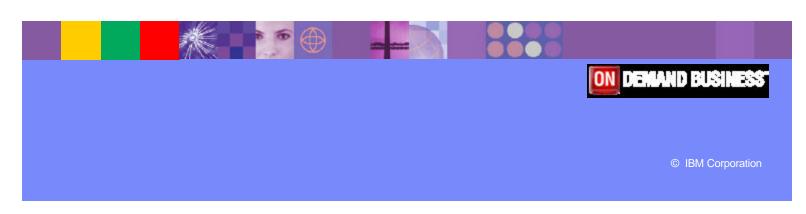
IBM Software Group

2005 B2B Customer Conference

Pioneering New Horizons – Solutions that Evolve

Monitoring WDI with Tivoli John Hatfield

WebSphere. software





Objectives

- Review WDI Operating Systems
- Tivoli Monitoring Architecture
- Monitoring WDI on z/OS
- Monitoring WDI on AIX
- Monitoring WDI on Windows
- Monitoring WebSphere MQ

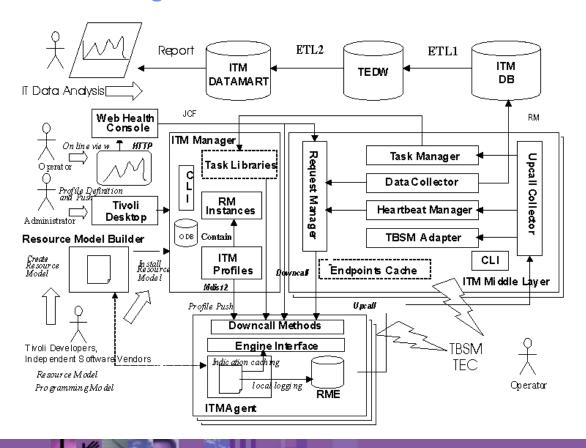


Review WDI Operating Systems

- WDI Currently Supports
 - > z/OS
 - > AIX 5.1 or higher
 - ➤ Windows 2000

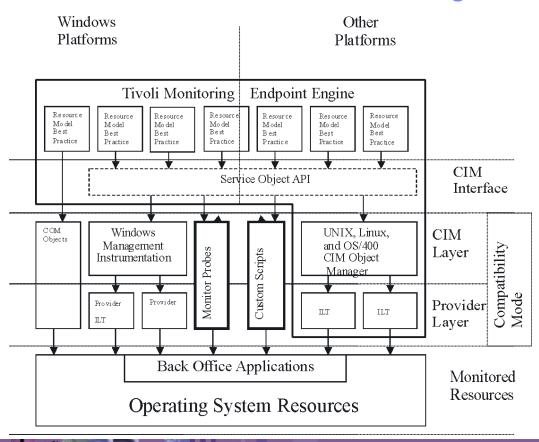


Tivoli Monitoring Architecture



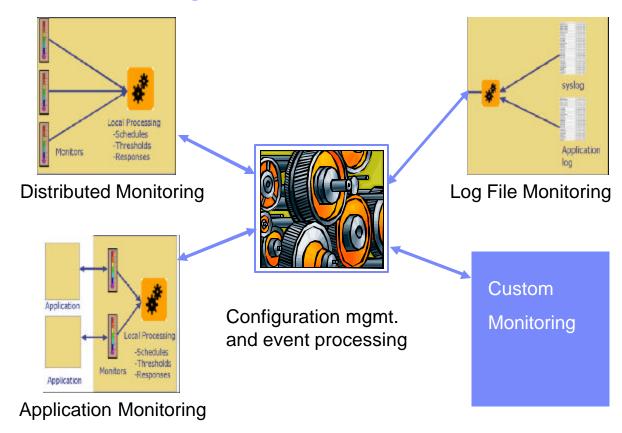


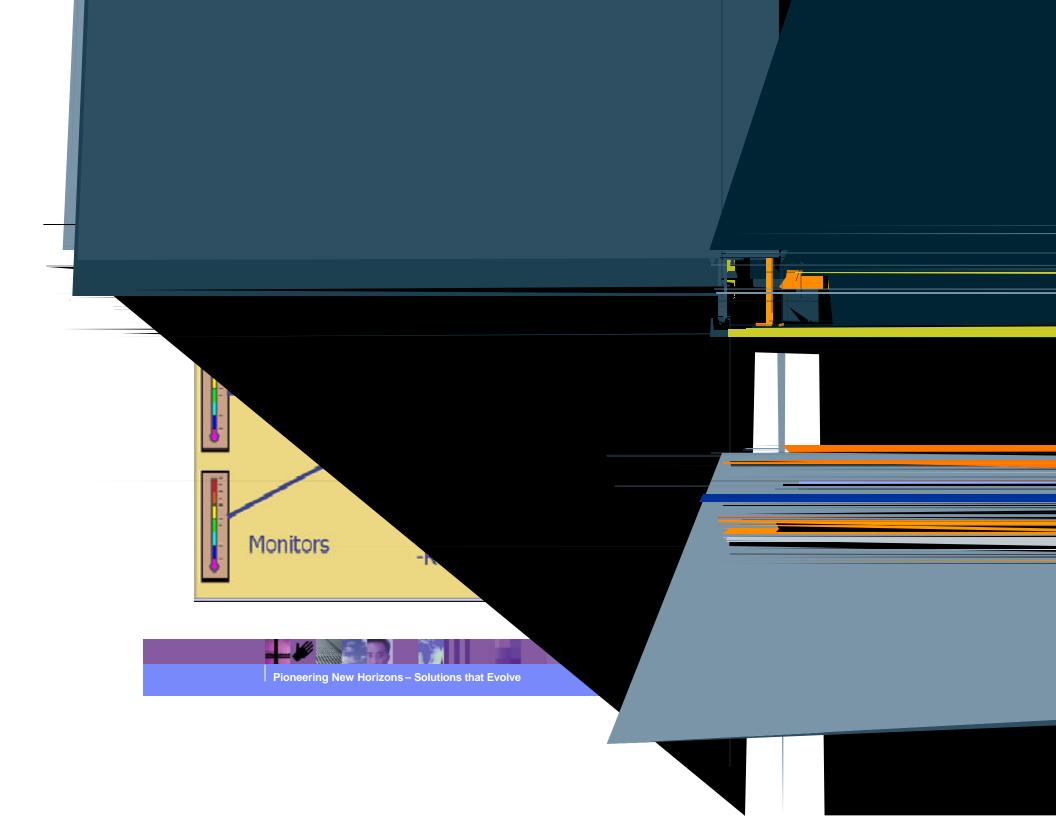
Architecture of Tivoli Resource Model Engine





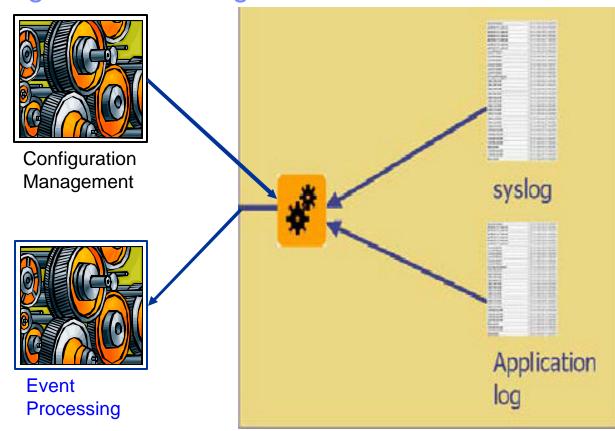
Tivoli Monitoring Architecture

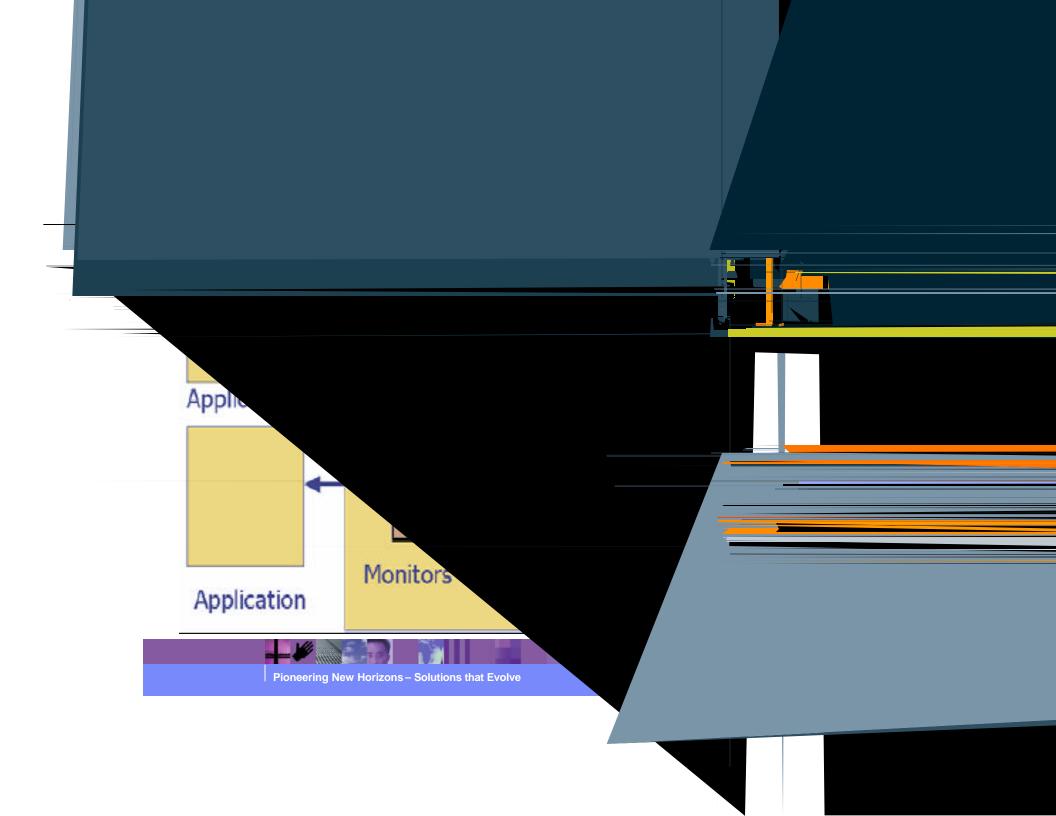






Tivoli Log File Monitoring







Tivoli Custom Monitors

- Application log file filters
 - Define message types
 - Match log file messages to types
 - Map message fields to event fields
 - > Filter unwanted events
- Custom monitoring probes
- Send events from scripts or programs



Tivoli Configuration Management

- Distribute monitors
- Set and examine thresholds
- Set and examine schedules
- Set and examine response actions
- Both command line and GUI access



Tivoli Event Processing

- Tivoli Enterprise Console (TEC)
- Display events
- Close events

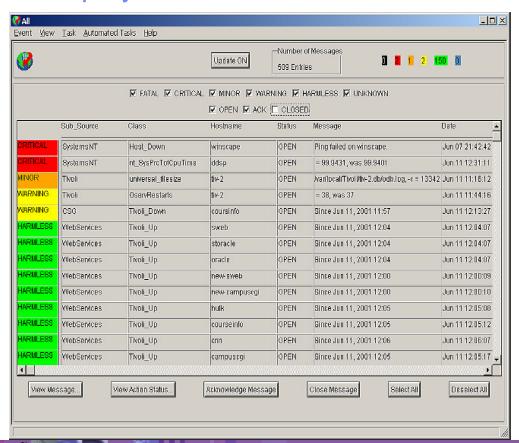


Tivoli Event Display

- Windows or X-Windows versions
- Sort and select events
- Define views (event groups)
- Close events



Tivoli Event Display



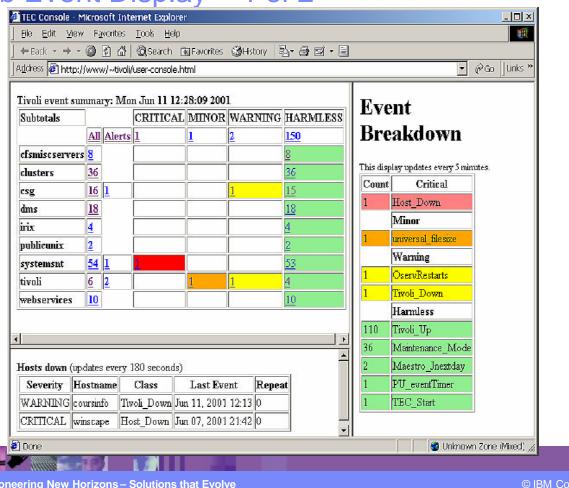


Tivoli Web Event Display

- View with any browser
- Automatically updated
- Summary page and drill-down
- Reads event repository database
- Sort detail page on any field



Tivoli Web Event Display – 1 of 2

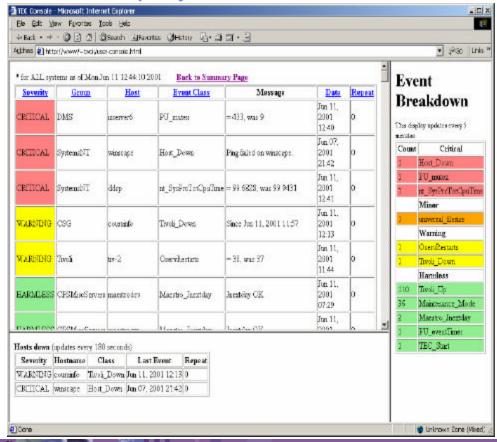


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Tivoli Web Event Display – 2 of 2





Monitoring WDI on z/OS

- Batch JOB Monitoring
- Performance Monitoring
- System Limits
- Special CICS Considerations



Monitoring WDI on AIX

- WDI Process
 - With Advanced Adapter
 WDITrigger and WDIServer process
- WDI Directories
 - The archive directory
- WDI Queues
 - > WDI.FAILURE.Q and WDI.PRTFILE.Q
- AIX Considerations
- Performance Monitoring
- System Limits
- AIX Backup



Example of the Needed Tivoli Setup Information

Component	Value				
1. Operating System	AIX				
2. Monitoring Schedule	5 minutes				
3. TEC Severity	Critical				
4. Service Center Severity	3: Urgency = 2; Impact = 2				
5. Service Center Group	GC_EDI_TECH				
6. Service Center Message	tbd				
7. Action	Restart and raise alert if restart files. See section 2.2.1 for details about restart procedure.				
8. Restart Script	/usr/wdi/run/start_WDI				
9. Alert Type	Raise service center incident				
10. Alert To	EDI Application Support Group				
11. User ID used to restart	wdi				
12. Email address for errors	Not applicable				
13. Library paths needed for restart	See section Appendix A:				
14. Inventory Information	See section Appendix I:				



Monitoring WDI on Windows

- WDI Process
 - wdiserver.exe and wditrigger.exe
- WDI Directories
 - > The archive directory
- WDI Queues
 - WDI.FAILURE.Q and WDI.PRTFILE.Q
- Windows Considerations
- Performance Monitoring
- Windows Backup



Monitoring WebSphere MQ

- Overview
 - Can Monitor queues
 - Open tickets based upon a message in queue
 - Clear the queue
- Can Monitor the Queue Depth
- Not Smart enough to know the difference in spike verses broken



Summary

- Reviewed Tivoli Basics
 - Lots of Setup
- Reviewed Areas that could be Monitor for WDI
 - Varies by OS (z/OS, AIX and Windows)
 - Each scenario must be handled
- Reviewed Monitoring WMQ