

B87

What's New With OMEGAMON XE IMS Performance & Availability Management

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IMS Technical Conference

Sept. 27-30, 2004

Orlando, FL

IBM Acquisition of Candle Corporation

- Acquisition closed effective June 7, 2004
- Candle will be fully integrated into IBM Software Group under the direction of Robert LeBlanc, GM Tivoli Software and IBM on demand Automation
- Why did IBM Acquire Candle Corporation?
 - Enhance on demand offerings
 - Improve end-to-end management offerings
 - Add breadth and depth to zSeries offerings
 - Established OMEGAMON brand

The road to data center performance...



IMS In The Industry

- IMS is still a workhorse subsystem for many customers
- Why?
 - IMS offers scalability, reliability, and performance
- Many companies still have mission critical database and applications built on IMS
- Performance and reliability that IMS offers is critical to business success

IMS In The Industry

- IMS still being used where high performance and high availability are key to success
- Banking, finance, insurance, manufacturing, and government applications to name just a few
- IMS databases still manage important business information in many shops
 - IMS DB still offers outstanding performance
 - IMS data is being accessed in new and exciting ways by generations of new applications

IMS Performance Management Challenges

- Managing the performance and availability of IMS subsystems
- Identifying performance bottlenecks
- Rapidly detecting and isolating performance issues
- Addressing issues before they cause critical outages
- Correcting problems at machine speed
 - Less reliance on human intervention

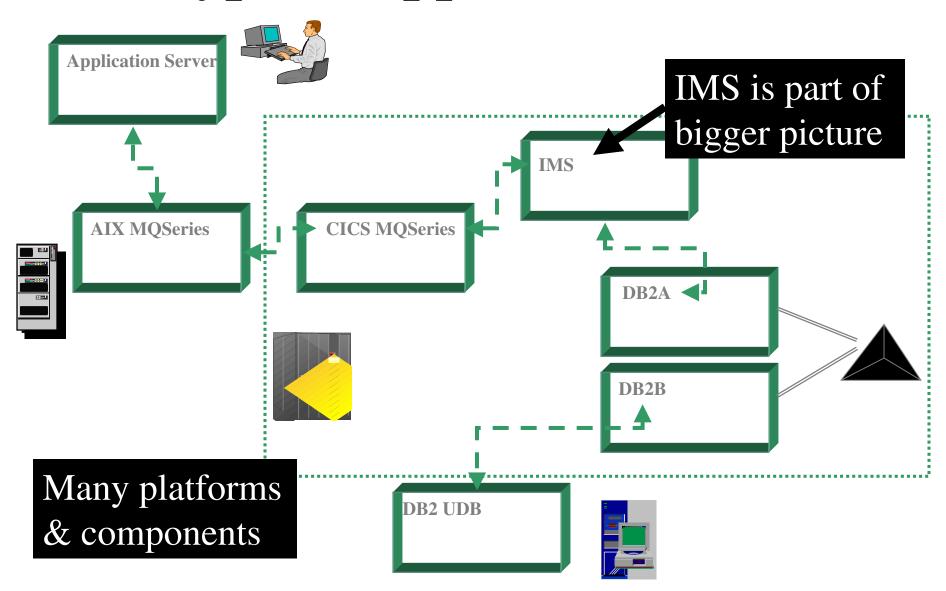
Common Technical Challenges

- Managing the performance and availability of IMS subsystems as part of an e-business infrastructure
- E-business applications are larger and more sophisticated
 - Being able to isolate problem areas and bottlenecks within these applications
 - Need to answer the question is the problem in IMS or somewhere else?

Problem Analysis More Complex

- Problem analysis in an e-business world is more complex
 - Many platforms, layers, and components
 - Requires a monitoring infrastructure able to integrate information from a variety of sources
- A typical application may now cover multiple platforms
 - z/OS, OS/390, UNIX, Windows, Linux (or all of these)
- Problem on one platform impacts other components

A Typical Application In 2004



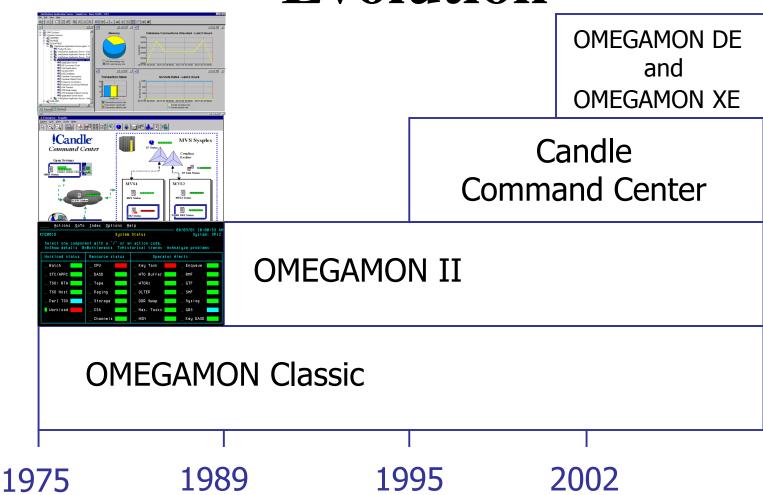
IMS Version 9 Enhancements

- Integration/Openness
 - IMS Java/XML enhancements
 - OTMA enhancements
- Manageability improvements
 - Command enhancements
- HALDB usability enhancements
- DBRC enhancements

IMS Version 9 Enhancements

- Fast Path improvements for performance and availability
- Scalability improvements
 - Performance/Capacity/Availability/Recovery
 - z/Architecture
 - Increased transaction capacity
 - Improved logging bandwidth

OMEGAMON Product Evolution



OMEGAMON Management Triangle

OMEGAMON DE - Dashboard Edition

Performance Triangle High level monitoring
Multi-system view
Cross Platform View

3270 Interface

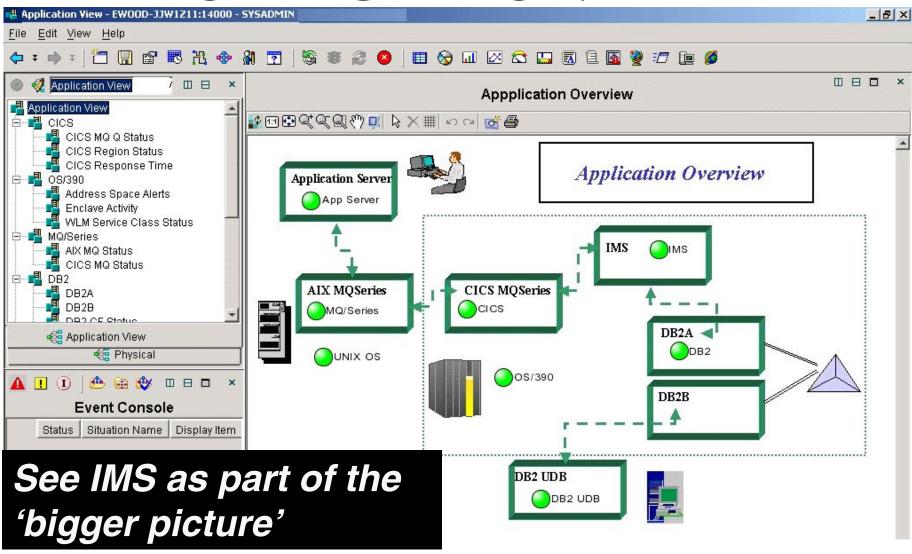
OMEGAMON XE

Subsystem details 3270 Interface Historical details Subsystem level monitoring Browser And GUI interface Proactive Alerting & Automation

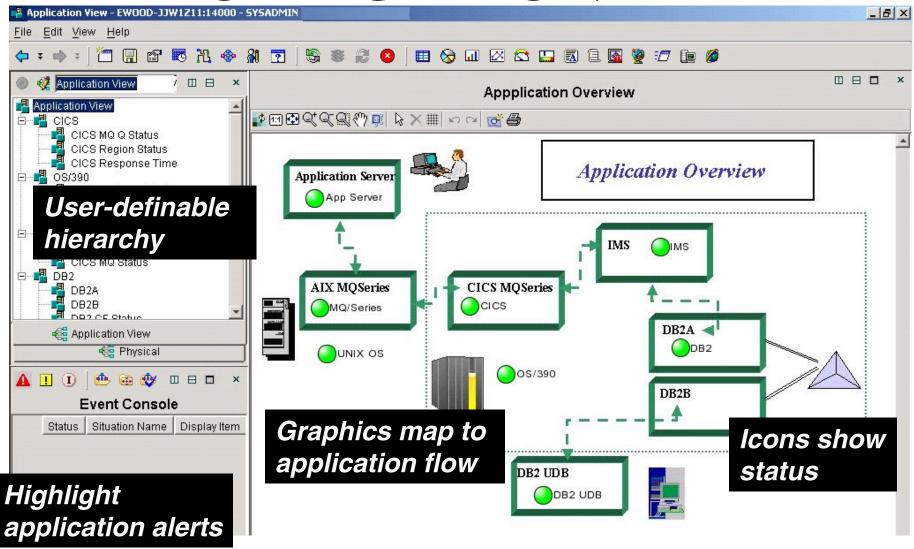
OMEGAMON XE & DE The Benefits

- Superior integration, consolidation, customization, and flexibility
- Powerful 'Business View'
- Better ease of use and navigation
- Improved event management & problem isolation more meaningful alerts
- Reduce time to problem resolution automation and notification
- Improved analysis capabilities
- Combine Real Time And Historical

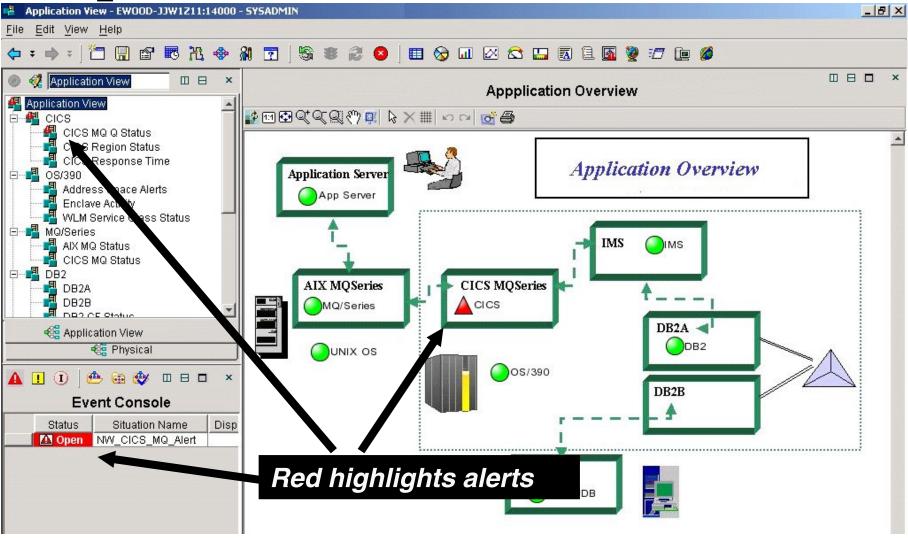
OMEGAMON DE



OMEGAMON DE



Sophisticated Problem Isolation



OMEGAMON IMS Solutions

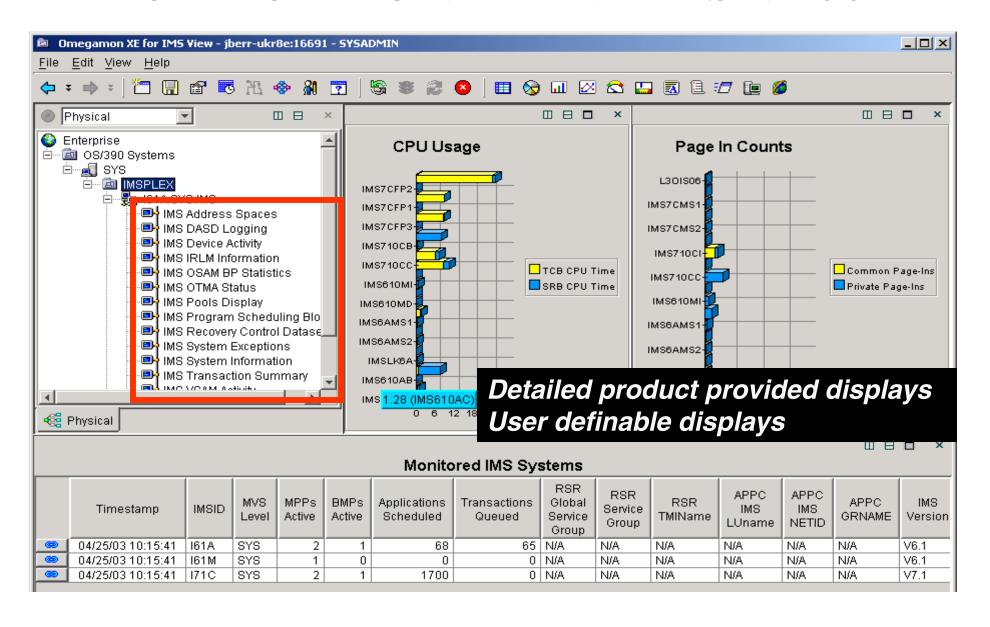
OMEGAMON XE For IMS V100

IMS Subsystem Monitoring
OMEGAMON XE Interface
OMEGAMON IMS 3270 Interface
Real time & Historical

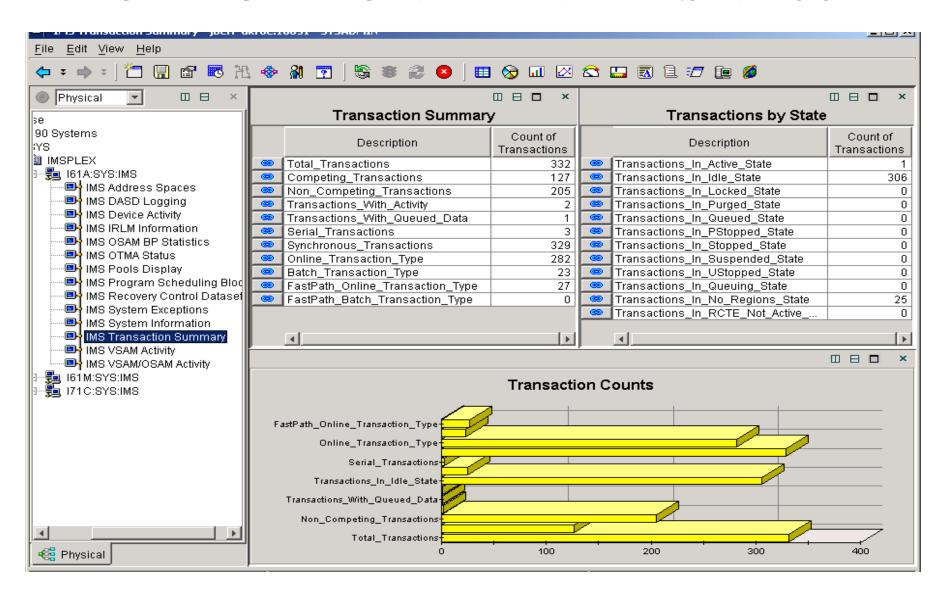
OMEGAMON XE For IMSplex V220

N-way data sharing view
OMEGAMON XE Interface
OMEGAMON IMS 3270 Interface
Real time & Historical

OMEGAMON XE For IMS V100



OMEGAMON XE For IMS V100



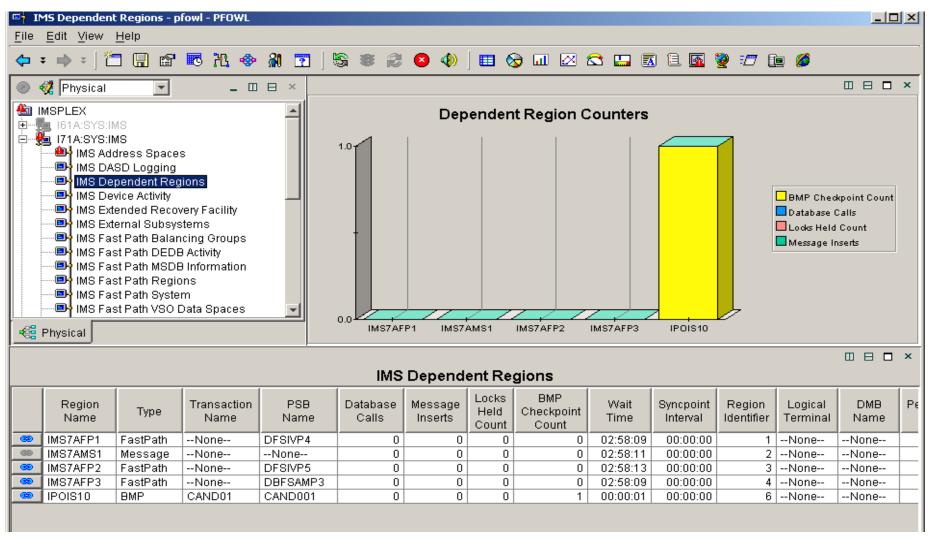
OMEGAMON XE For IMS & IMSplex Recent Enhancements

- QI31030 and QI31035 for XE For IMS
- QIP6008 for XE For IMSplex
- Introduces a significant amount of new data not available in the initial release of the OMEGAMON XE for IMS V100 and OMEGAMON XE for IMSPLEX V220
- Additions includes new attribute groups, attribute names, workspaces, links, and product provided situations.

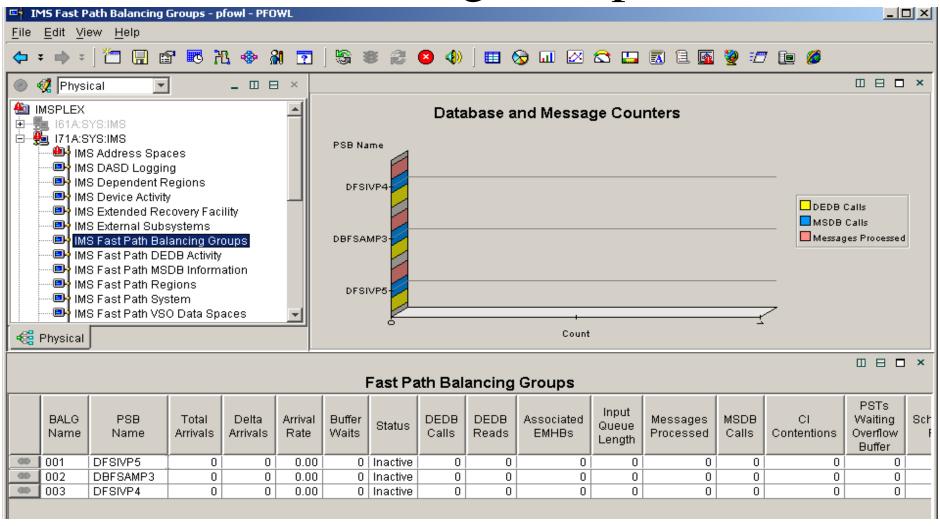
Recent Enhancements

- 16 New tables and 380 new attributes includes information about:
 - -Fast Path-Dependent Regions
 - -External Subsystems -Logical Terminals
 - Subpool StatisticsSystem Datasets
- 22 New workspaces
- 65 Product Provided Situations

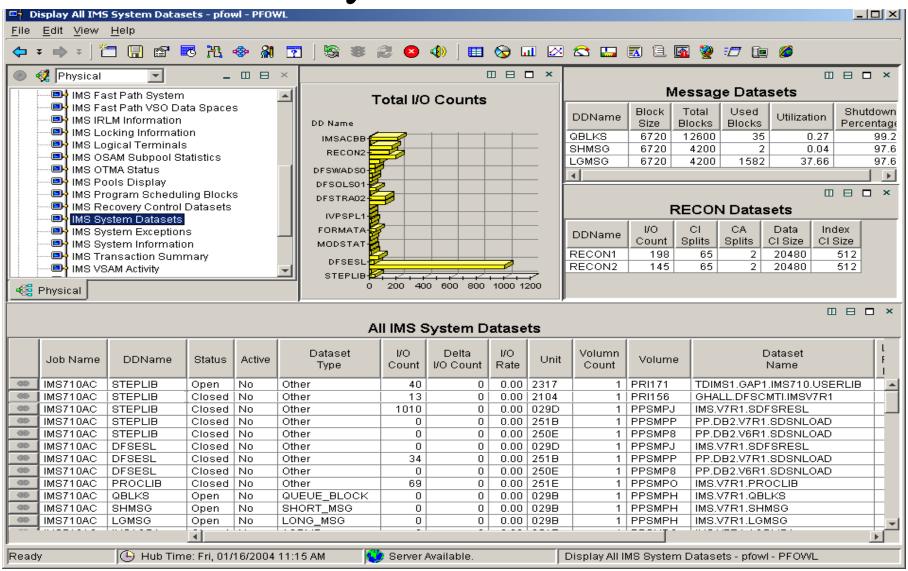
Example New Display Dependent Regions



Example New Display Balancing Groups



Example New Display All System Datasets

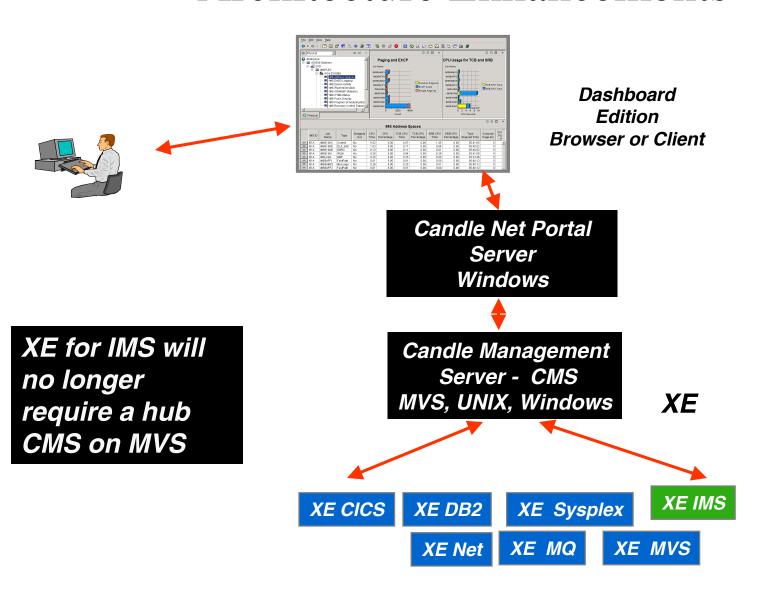


OMEGAMON XE For IMS OMEGAMON XE For IMSplex Enhancements & Directions

- OTMA display enhancements
- XE level history support
 - Support history capabilities similar to other XE monitoring capabilities
- Merging of IMS and IMSplex offerings into a single OMEGAMON XE for IMS solution

Please note – These directions are futures & subject to change

OMEGAMON XE For IMS Architecture Enhancements



Enhancements & Directions

- Lock analysis improvements
 - Show lock owner & waiter detail in same alert row
- Improved product integration
 - More cross product capabilities with other monitors such as XE For CICS and DB2
- Integration with other IBM tools

Please note – These directions are futures & subject to change

V9 Specific Explotation

- More information on HALDB
- Track dynamic Reorg activity
 - Example show % complete

OMEGAMON XE For IMS Roadmap

OMEGAMON XE For IMS

OMEGAMON XE For IMS V300

OMEGAMON XE For IMSplex

OMEGAMON XE for IMSplex & OMEGAMON XE for IMS will be combined into a single product – v300

• OMEGAMON XE For IMS V300 will provide combined product functionality

zSeries Resource Monitoring for OS

Today		Future
OMEGAMON for OS/390		OMEGAMON for OS/390
OMEGAMON for zOS		OMEGAMON for zOS
OMEGAMON for Linux for zSeries		OMEGAMON for Linux for zSeries
OMEGAMON for zVM		OMEGAMON for zVM
OMEGAMON for USS		OMEGAMON for USS
OMEGAMON for CC		OMEGAMON for CC
OMEGAMON for Storage on z/OIBM Tivoli Storage Optimizer	S	OMEGAMON for Storage on z/OS
OMEGAMON for MF Networks IBM Tivoli Monitoring for Network	Performance	OMEGAMON for MF Networks

zSeries Resource Monitoring & Performance Analysis for Databases Future

Resource Monitoring

OMEGAMON for DB2

(converged solution)

IBM DB2 PM, PE, BPA

OMEGAMON for CICS

IBM CICS Performance Monitor

OMEGAMON for CICS

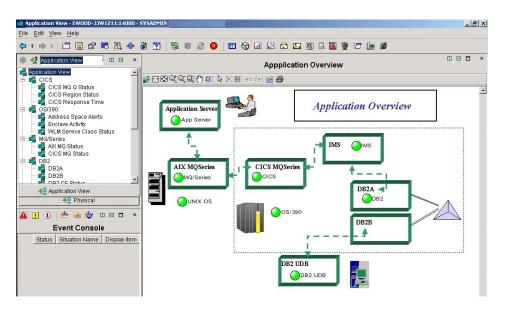
OMEGAMON for IMS
IBM IMS Performance Monitor

OMEGAMON for IMS

Performance Analysis

IBM CICS Performance Analyzer (PA)
IBM IMS Performance Analyzer (PA)
IBM IMS PA

In Conclusion



- Integration of tools
- Global dashboard view with drill-downs
- Automated corrections

- History and real time
- Improved problem isolation
- Improved productivity with Plex view