



IBM Software Group

DB2 Performance – Making the end run successful

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DB2 Information Management Software

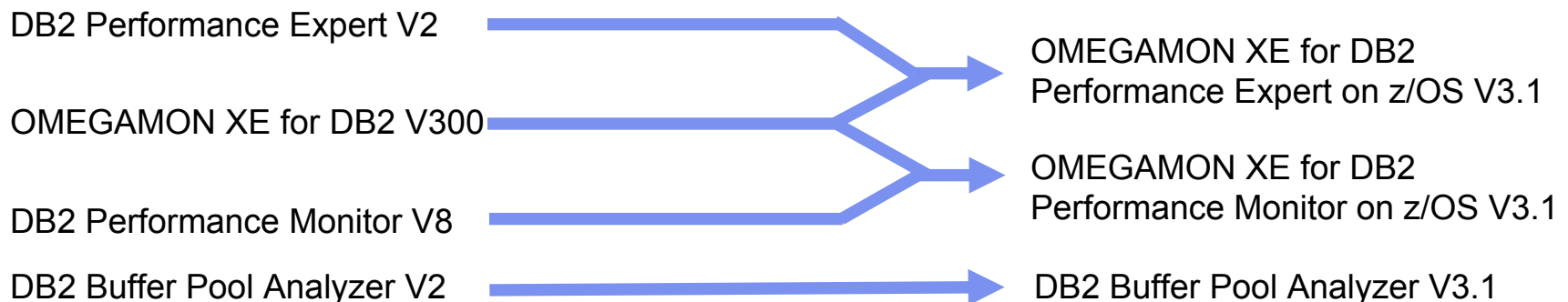


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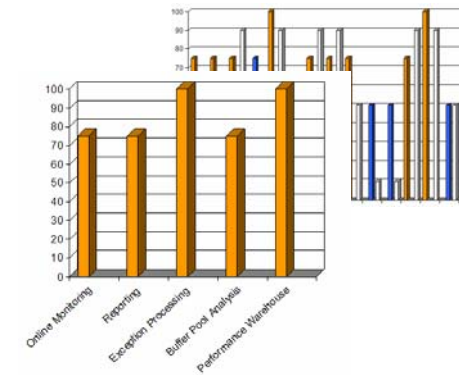
Convergence activities

- **Merge the best of both the DB2 PM/PE and OMEGAMON XE DB2 product offerings into a new offering**
 - ▶ Simply speaking, we've combined the DB2 PM/PE reporting and performance warehouse functions with the real-time monitoring strength and integrated OMEGAMON end user capabilities (XE and Classic VTAM)
- **Merge functions of both data collectors into one**
 - ▶ Reduce footprint and system resources
- **Provide new unique functions to both former customer sets**
- **The “Performance Expert“ is a combination of the Performance Monitor and the DB2 Buffer Pool Analyzer, plus additional “expert” functions, i.e. ROT (Rules of Thumb) and expert SQL queries.**



Why and How to converge both products?

- Analysis of product portfolio, strategy, and market penetration
- Joint detailed analysis - function by function
- Experiences from both sides about strong and weak functions
- Experience from internal and external users
- Interview with customers (CAC, Questionnaire)
- Known customer requirements



Objectives:

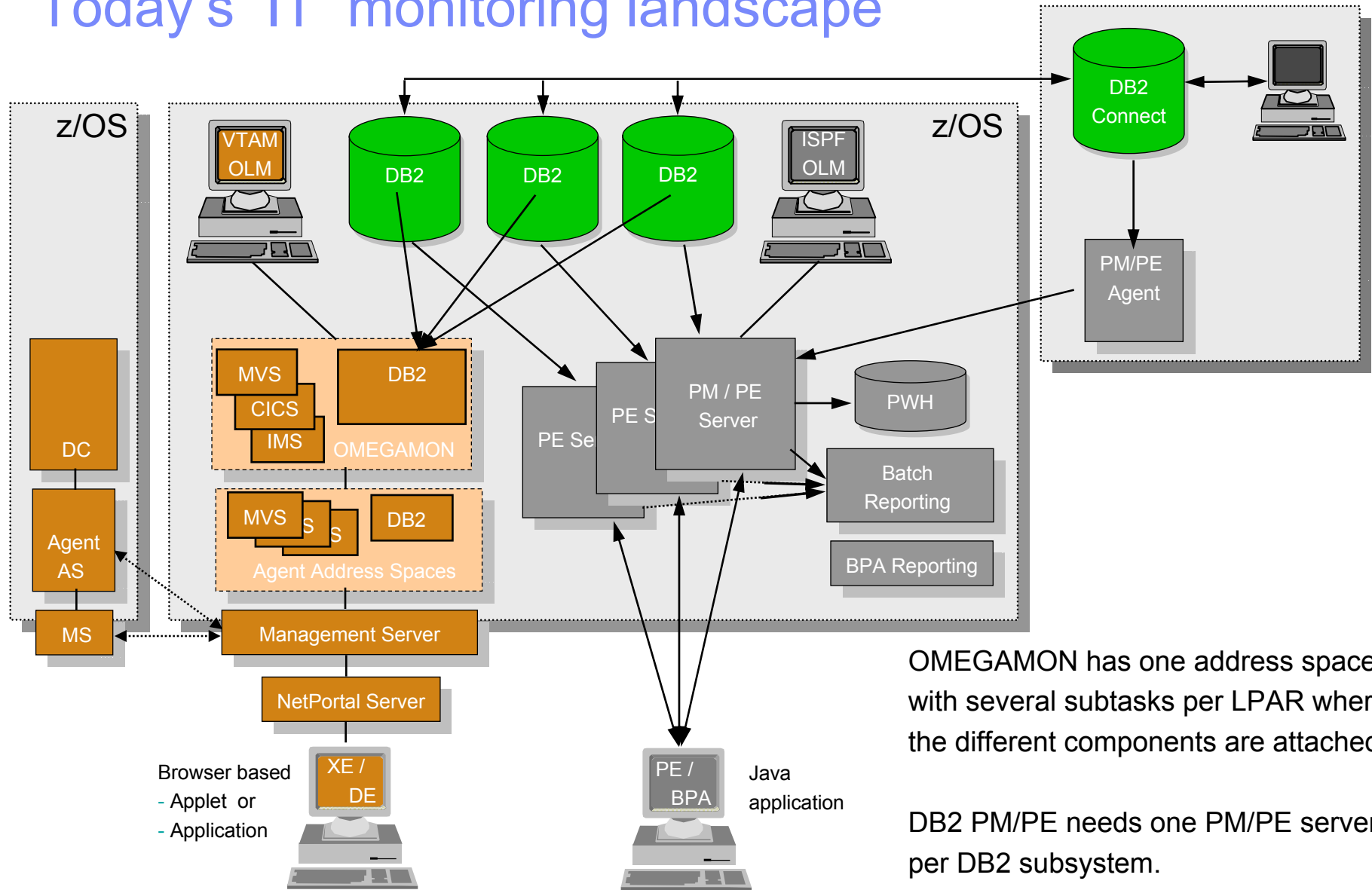
- IBM to provide a cross zSeries and integrated monitoring solution
- Satisfy current customer requirements for both product lines
- Combine the best-of-breed functions from both products
- Enrich the customer satisfaction having one or both product offerings

... with V3.1.0 comes ...

- Simplification and technical integration
 - ▶ One server address space
 - ▶ Usage of DB2 PE server functions as well as certain OMEGAMON functions

- User requirements, functions
 - ▶ Integrated monitoring of CICS, IMS, MVS and DB2
 - ▶ VTAM and Web client end user interface
 - ▶ Near-term History and Object analysis
 - ▶ DB2 Connect Monitoring
 - ▶ Expert analysis functions and Buffer Pool analysis with recommendation

Today's IT monitoring landscape



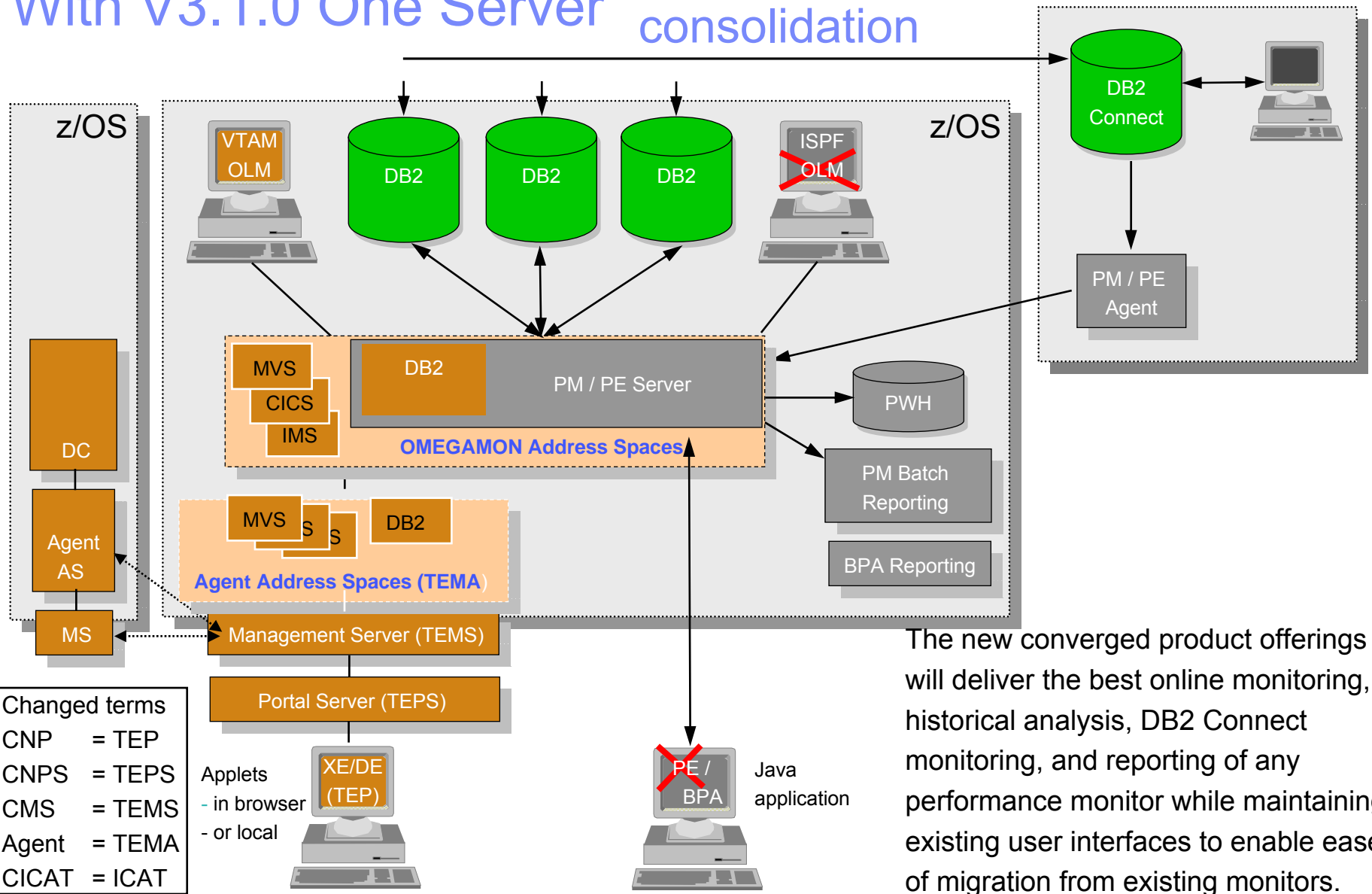
OMEGAMON has one address space with several subtasks per LPAR where the different components are attached.

DB2 PM/PE needs one PM/PE server per DB2 subsystem.

Browser based
- Applet or
- Application

Java application

With V3.1.0 One Server and later UI consolidation



Changed terms	
CNP	= TEP
CNPS	= TEPS
CMS	= TEMS
Agent	= TEMA
CICAT	= ICAT

Applets
- in browser
- or local

Java application

The new converged product offerings will deliver the best online monitoring, historical analysis, DB2 Connect monitoring, and reporting of any performance monitor while maintaining existing user interfaces to enable ease of migration from existing monitors.

Summary of functions – OMEGAMON XE for DB2 Performance Monitor/Expert for z/OS

- Real-time monitoring
 - ▶ Threads and Statistics monitoring
 - ▶ DB2 Connect monitoring
 - ▶ Object Analysis
 - ▶ Data Sharing/Sysplex data (DB2Plex data)
- Near-term history
- Trace collection (**also as part of the PWH process support**)
- Reporting
 - ▶ Accounting, Statistics, SQL Activities, Locking, I/O Activity, Audit, Utilities, Record Trace
 - ▶ Executable as separate jobs or via PWH process engine
- Performance Warehouse with expert analysis support
- Buffer Pool Analysis, expert advice, and simulation (**only with the OMEGAMON XE for DB2 Performance Expert**)

Product Enhancements

- **What OMEGAMON customers get with the converged product**
 - ▶ Usage of DB2 IFI API
 - Provide more consistency and better quality of data (less dependence on control block changes)
 - ▶ World Class Batch Reporting – In-depth problem analysis
 - With the recent extensions of
 - Package Level Accounting
 - Locking suspension – new output format for direct spreadsheet usage
 - Extended SQL Activity report with input host variables
 - Additional predefined report layouts
 - ▶ Performance Warehouse
 - Expert analysis (ROT and SQL Performance queries)
 - ▶ DB2 Connect Monitoring
 - ▶ Snapshot history for online adhoc problem analysis
 - ▶ Notification of exceptional events – deadlocks, timeouts, coupling facility rebuild, data set overflow

Product Enhancements

- **What DB2 PE/PM customers get with the converged product**

- ▶ Integrated cross z-Series monitoring (enterprise wide)
- ▶ Near term history
- ▶ Object Analysis
- ▶ WLM enclave information for stored procedures
- ▶ Smaller footprint (fewer address spaces)
- ▶ VTAM and Web Client
- ▶ Monitor DB2 messages and master console
- ▶ EDM pool (DBD,SK, CT etc section) content display
- ▶ 18 Customer requirements (See Product Functionality page)

Product Enhancements

- **What NEW customers of OMEGAMON XE for DB2 PM/PE will get**
 - ▶ A new converged product which will leverage OMEGAMON's legendary real-time monitoring and enterprise-wide systems management capability and DB2 Performance Monitor's legendary reporting capability
 - ▶ A competitive alternative for a fully integrated monitoring solution
 - ▶ A product tightly integrated into the IBM Tivoli OMEGAMON Suite of products

Product Functionality

- All SPE and New Functions PTFs of the former OMEGAMON and DB2 PM/PE releases are also included
 - ▶ New and extended workspaces at XE of information available on Classic
 - Thread monitoring
 - Distributed Data Facility (DDF)
 - Enclave
 - ▶ The CICS Transplex capability in OMEGAMON XE for DB2 enhancement provides a correlation ID that can be used to correlate a DB2 thread with a CICS transaction and back.
 - Correlation with CICS requires OMEGAMON DE and the current release of OMEGAMON XE for CICS
 - ▶ Extended DBM1 virtual storage consumption reporting in OLM and reports
 - ▶ Handling of DB2 V8 threads

Upgrade to the converged product offerings ...

Customer has installed	New product offering DB2 PM & OMEGAMON for DB2	New product offering DB2 PE & OMEGAMON for DB2
OMEGAMON XE for DB2 V300	priced upgrade	priced upgrade
DB2 Performance Monitor for z/OS V8	priced upgrade	priced upgrade
DB2 Performance Expert for z/OS V2	-	priced upgrade
DB2 Buffer Pool Analyzer for z/OS V2	priced upgrade	priced upgrade
OM XE V300 & DB2 PM V8	No-charge upgrade	priced upgrade
OM XE V300 & DB2 PE V2	-	No-charge upgrade
OM XE V300 & DB2 BPA V2	priced upgrade	priced upgrade

Contact your IBM representative for more information.

