

# Konferencja Optymalny znaczy najlepszy



## zEnterprise and System z Software Strategy and Direction

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## System z Software Strategy

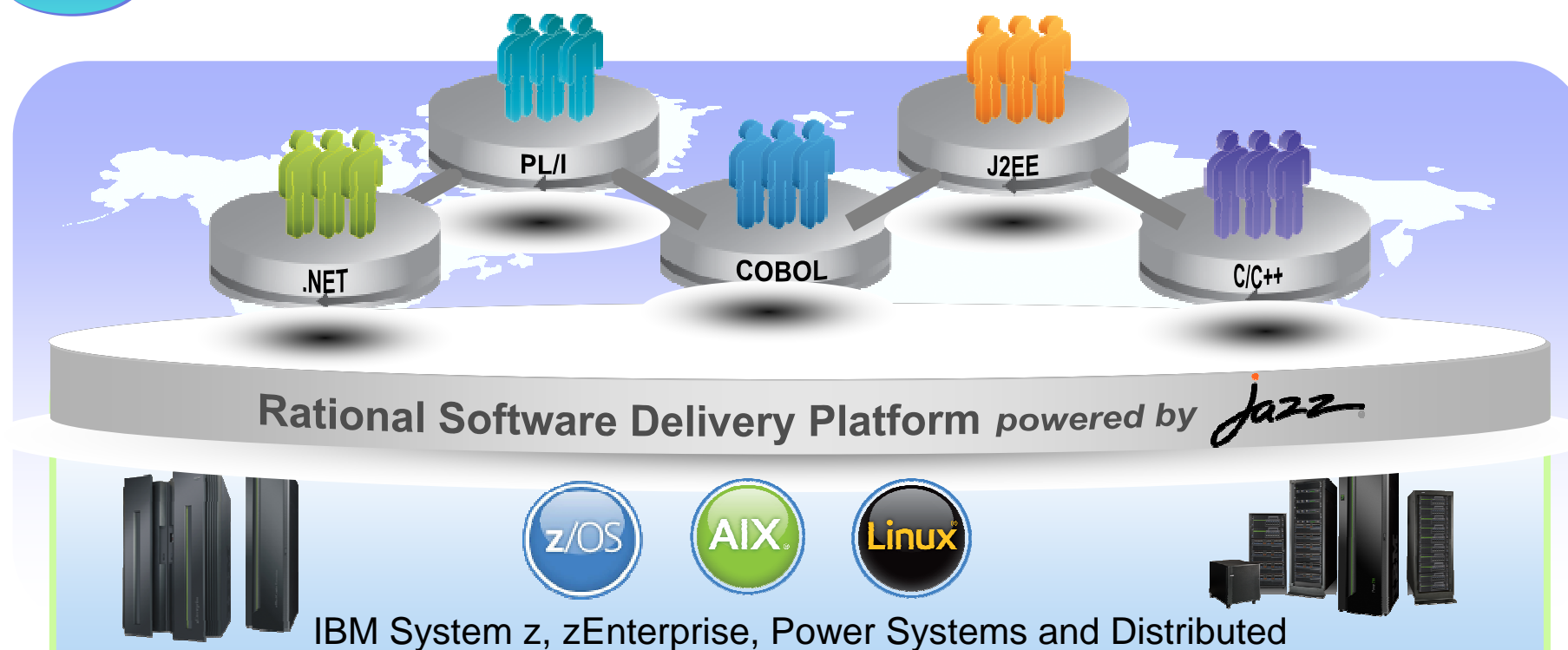
- **Capitalize on Traditional System z Strengths**
- **Extend Value Proposition to New and Mixed Workloads**
- **Continue to grow the System z Ecosystem**

# System z Software Strategy

- **Capitalize on Traditional System z Strengths**
  - Batch and Transaction processing, Data Serving, Highest Quality of Service
  - Optimize to the evolving System z Hardware design point
- **Extend Value Proposition to New and Mixed Workloads**
  - Systematic re-engineering of the software stack
  - Integrate with Modern Application Development Environments
  - Deliver extensive Data Management services
  - Leverage the wave of workload consolidation; zLinux
  - Simplify System z – make it easier to install and manage for better TCO
    - New faces of z
    - End-to-end management from a z central point of control
- **Continue to grow the System z Ecosystem**
  - Attract new System z customers and ISV application workloads
  - Enable new Hybrid and Cloud environments
  - Make System z relevant to the new IT generation

# Collaborative Design and Build

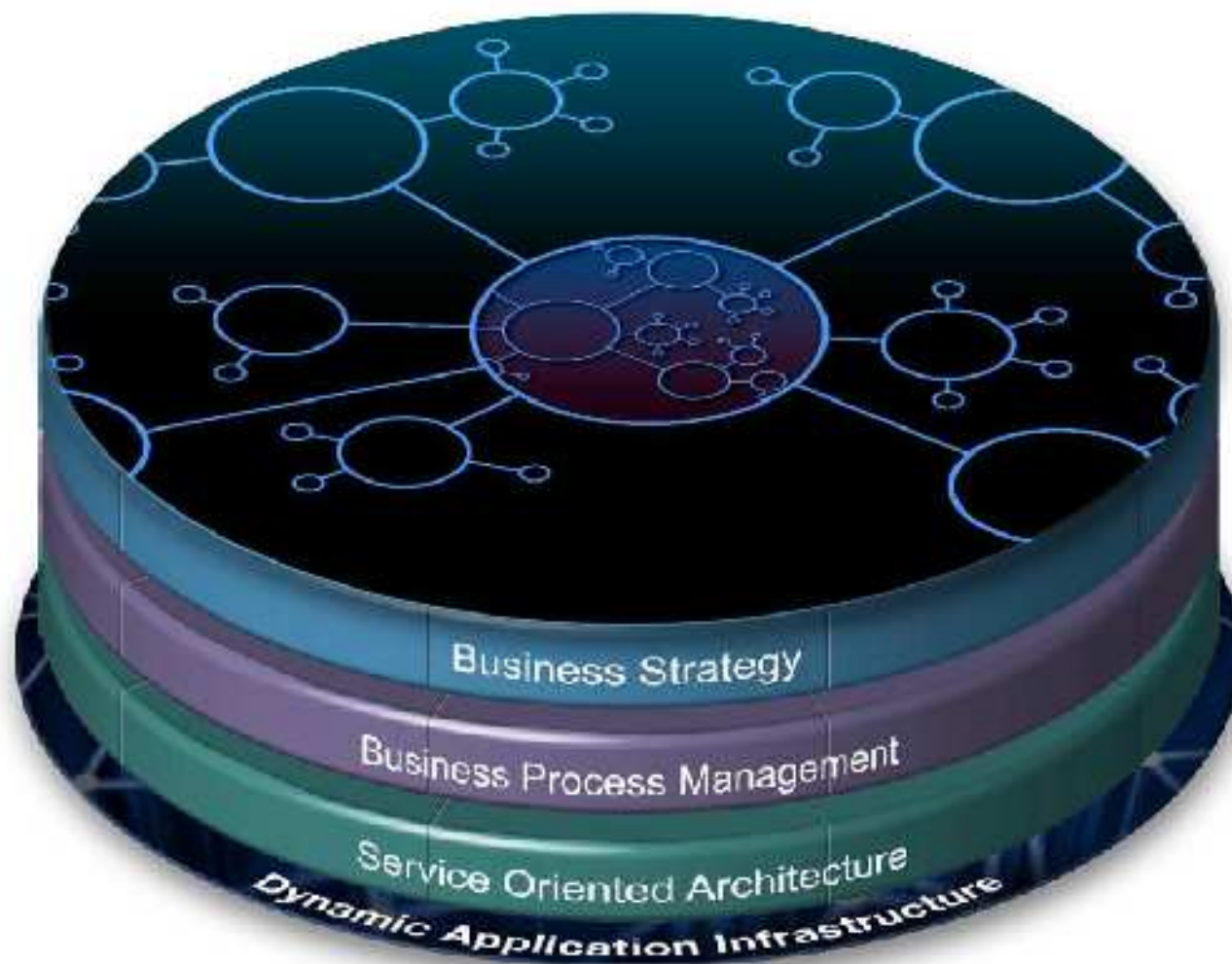
**New!** Rational Team Concert v3.0



## Delivering...

- ✓ Single integrated platform for managing delivery of multiplatform projects
- ✓ New support for advanced dependency analysis and build capabilities for z/OS projects
- ✓ New integrated ISPF green screen client for z/OS source edit, compile and debug

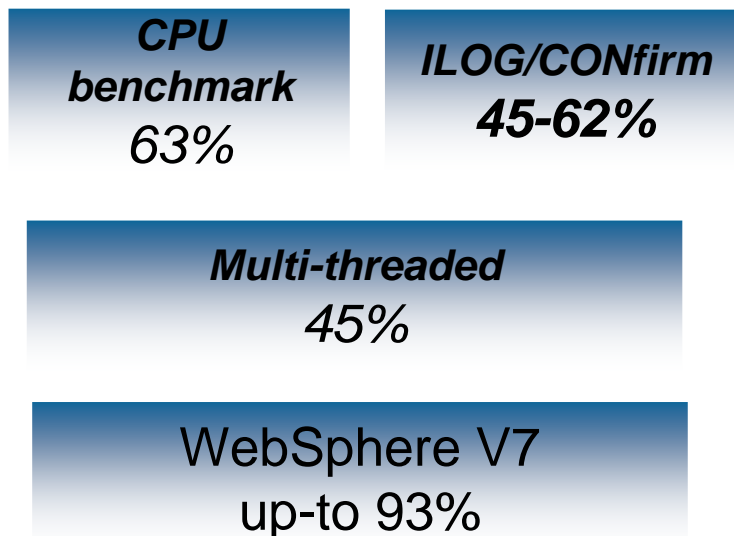
A dynamic network requires business agility...



...supported by a Dynamic Application Infrastructure

# Java and WAS Performance with zEnterprise

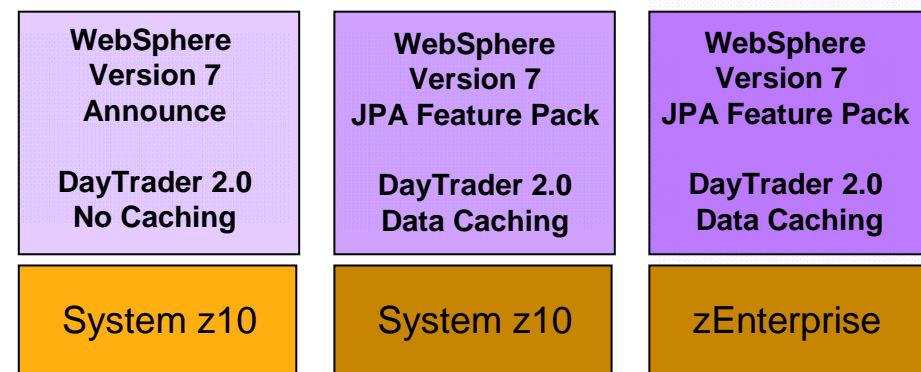
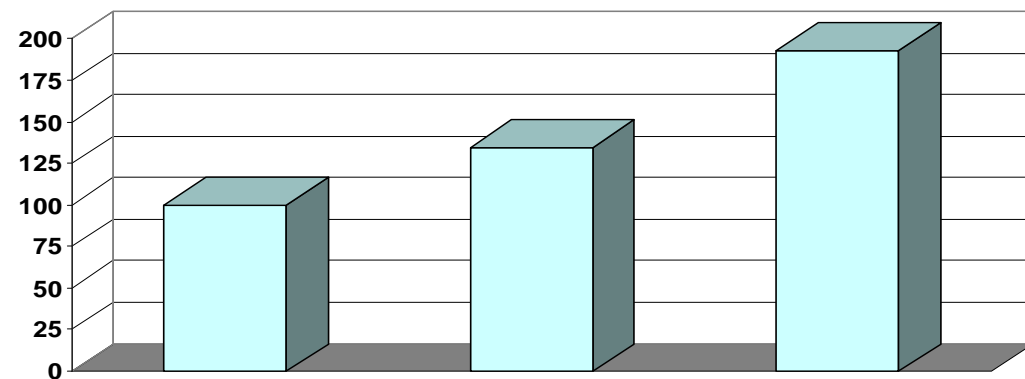
World class per-thread performance yields outstanding results:



Extensive hardware and software collaboration with deep platform exploitation:

- New out of order pipeline design
- 70+ instructions
- Java runtime environment general optimizations

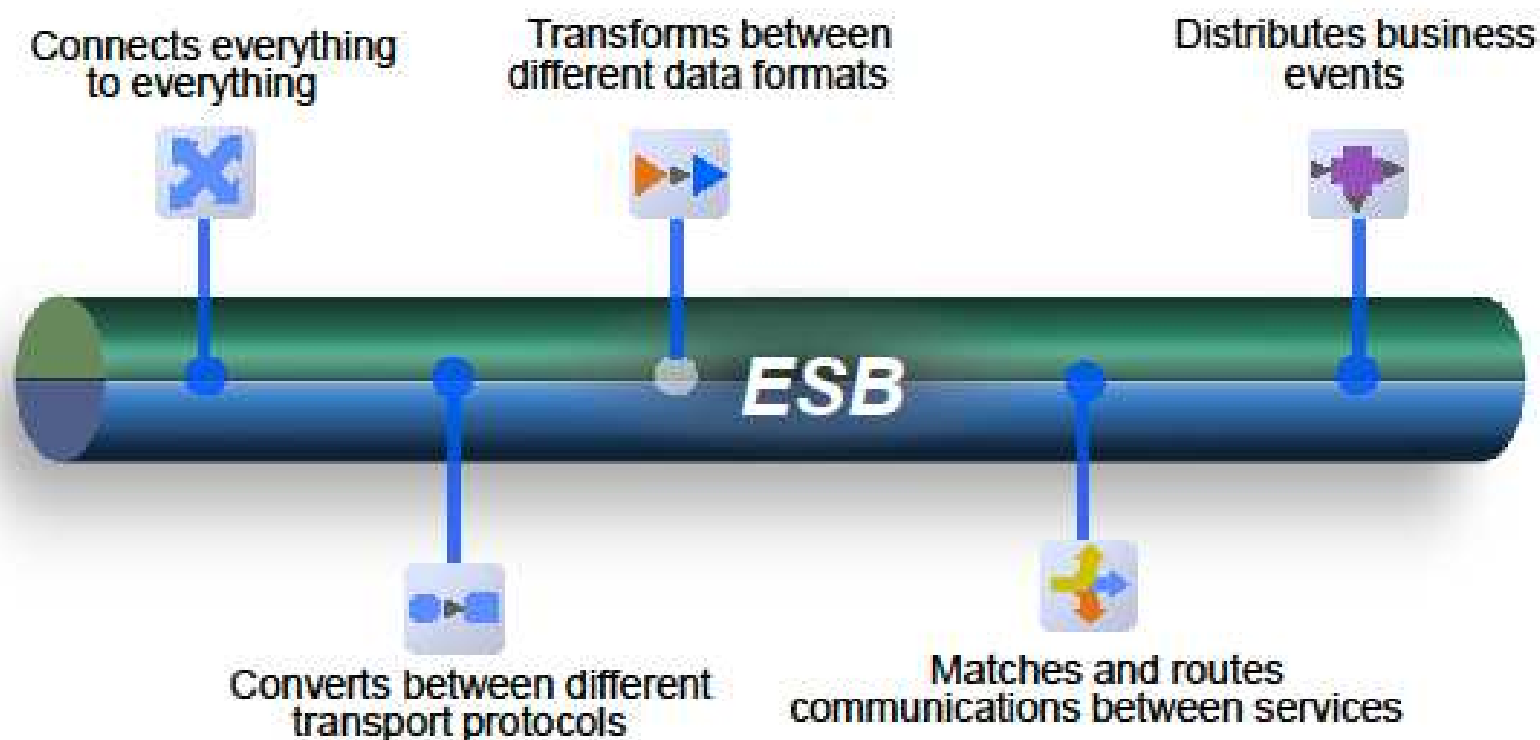
System z10 Announce      Uplevel Software      zEnterprise Hardware



Then → Now

# Agility and savings begin with integration

## The Enterprise Service Bus (ESB)



**Optimize Costs by:** Integrating new customers and partners up to 80% faster, Improving performance more than 10x - with lower costs, and Achieving full ROI within as few as 6 months

IBM WebSphere  
Message Broker for z/OS

IBM WebSphere  
Enterprise Service Bus

IBM WebSphere  
MQ for z/OS



## DB2 for z/OS Technical Strategy

- **Extend the lead in availability, scalability and performance.**
- Parallel Sysplex: the best scale-out solution in the industry
- Tight integration between DB2 and the System z hardware and z/OS operating system
- Advanced solutions for compliance with data security and privacy regulations
- Workload consolidation: System z is the ultimate consolidation platform
- Eliminate all causes of outages
- **Reduce cost of ownership**
- Database technology that can handle large workloads with fewer people
- Storage and CPU optimization, including specialty engines
- Advanced autonomics to make the system more self-managing and self-tuning
- **Application enablement**
- Apps can easily connect to DB2 from anywhere
- Advanced SQL, XML capability, application portability
- **Improved data warehousing capabilities**

## DB2 10 for cost savings and performance

- Up to 40% savings in processing costs
- Up to 6 times the number of SAP users on a single system
- Time Travel temporal capabilities built directly into the database
- Direct Row access accelerates high performance applications



*"We have measured a 38% reduction in CPU for heavy insert workloads in a data sharing environment. That's a significant savings which provides immediate business benefit."*

*Peter Paetsch, BMW*



*We expect to reduce our data sharing requirements by 25%, which means less system, storage and resource expenses*

*Banco do Brasil*



*The new temporal functionality in DB2 10 for z/OS will allow us to drastically simplify our data-related queries and reduce our processing cost by having DB2 handle data movement more efficiently than our custom code*

*"As much as 80% of our applications can use this, which will drastically save developer time and even more importantly make applications easier to understand to improve business efficiency and effectiveness"*

**bankdata**

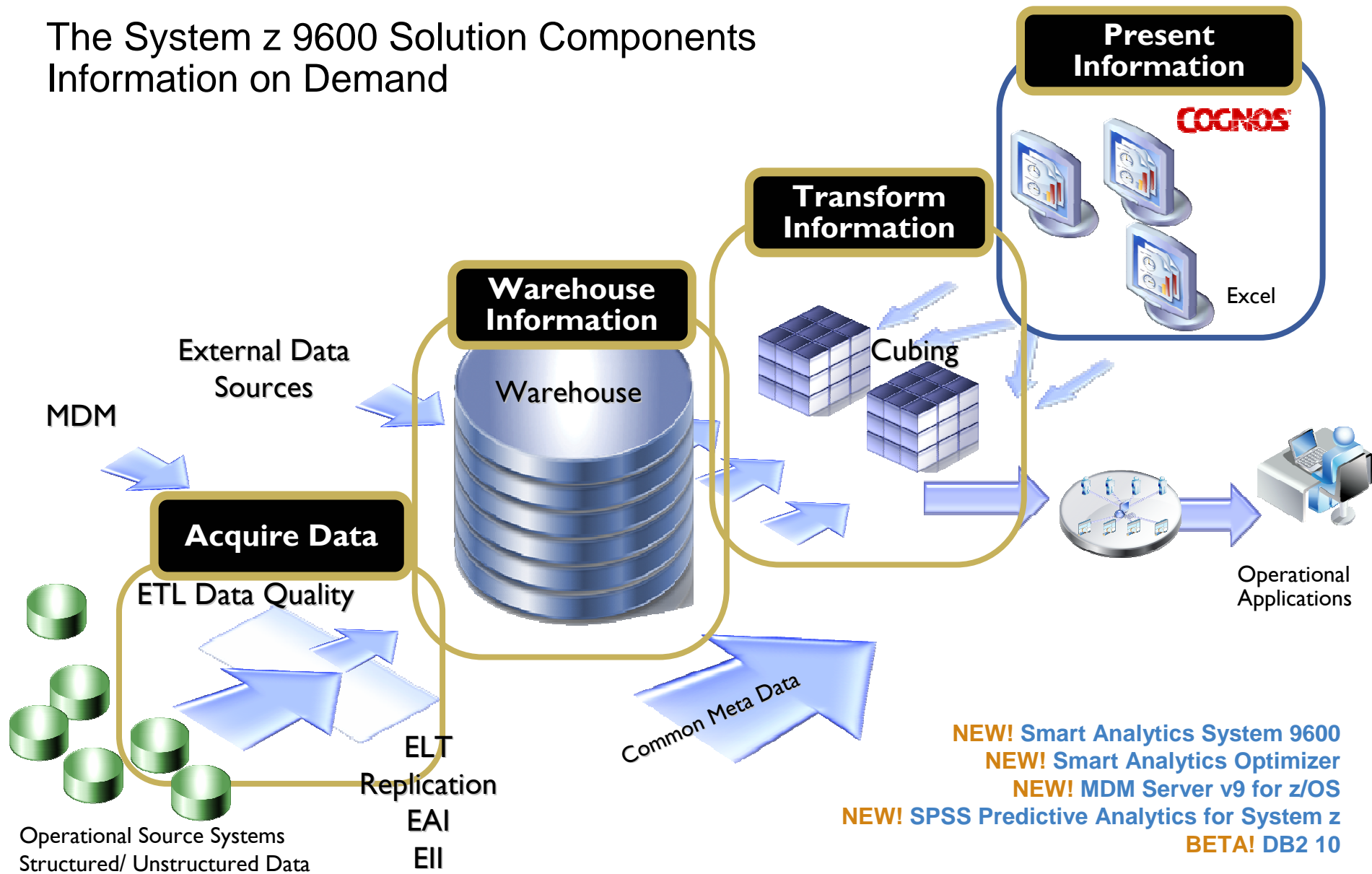
*"In addition to the cost savings, DB2 10 for z/OS offers a far superior data server environment than Oracle"*  
*Manuel Gomez Burrierl, CFECA (Spanish Bank Federation)*



*As a multi-national corporation, we must adhere to strict local audit requirements. The security and administration capabilities in DB2 10 are a key driver for us to move to this version."*

**UniCredit Group**

# The System z 9600 Solution Components Information on Demand



# IBM Smart Analytics Optimizer

*Capitalizing on the best of relational and columnar databases*

***Workload optimized, appliance-like, add-on, that enables the integration of business insights into operational processes to drive winning strategies.***



- Performance
- Integration
- Self-managed workloads
- Transparency
- Simplified administration

Up to **80X** performance increase  
in specific queries

## Integrated Service Management for zEnterprise - a single cross platform view for cost effectiveness

- Application Performance Management
  - Visibility into entire application infrastructure
- Asset and Financial Reporting
  - Visibility and accounting of service delivery
- Application Automation and Resilience
  - Policy-based application automation
- Security and Compliance
  - Centrally managed and protected access to web applications, business services, infrastructure and data
- Cloud Management **New!**
  - Visibility into applications and services utilizing System z as a cloud infrastructure
- Workload Automation and Batch Modernization **New!**
  - Single point of governance for batch

### Integrated Service Management



# Continuing our investment in zEnterprise software

## July

### July – zEnterprise launch

- Smart Analytics System 9600
- Smart Analytics Optimizer
- SPSS Predictive Analytics for System z
- IMS 11, IMS Enterprise Suite 1.1
- Tivoli Security for zEnterprise
- Tivoli Access Manager Family
- Tivoli zSecure Manager for RACF z/VM
- Tivoli Federated Identity Manager for z/OS
- Tivoli Application Management for zEnterprise
- Tivoli Application Resilience for zEnterprise
- Tivoli Asset and Financial Management for zEnterprise
- CICS Transaction Server Feature Pack for Dynamic Scripting
- CICS Deployment Assistant for z/OS
- WebSphere Business Monitor for z/OS
- Rational Developer for System z Unit Test
- z/OS XL C/C++, Enterprise PL/I for z/OS,
- Eclipse EGL Development Tools project
- Lotus Quickr 8.5 for WebSphere Portal
- Lotus Sametime 8.5.1

## August/September

### August 9

- SupportPac CN11: CICS TS support for WebSphere Compute Grid

### August 10

- IBM® Lotus® Domino® 8.5.2

### August 31

- IBM® Lotus® Quickr™ for Domino® 8.5

### September 16

- IBM® Customer Experience Suite V7.0

### September 24

- IBM® WebSphere® Portal for z/OS and Linux on z - 7

## October/November

### October 5

- WebSphere Application Server v7 Feature Pack for Modern Batch
- Information Management System (IMS) V12 (BETA)
- PD Tools v11
- WebSphere ILOG Business Rules for z/OS
- WebSphere ILOG BRMS 7.1.1.
- WebSphere MQ Advanced Message Security (AMS) V7.0.1
- WebSphere Process Server Hypervisor Edition V7.0 for Novell SUSE Linux Enterprise Server for System z
- IBM CICS Performance Analyzer for z/OS V3.2
- WebSphere MQ File Transfer Edition V7.0.3
- WebSphere MQ Telemetry 7.0.1

### October 12

- IBM Passenger Rail Reservation Service

### October 19

- IBM Mobile Portal Accelerator 7
- DB2 10 for z/OS

### October 24

- DB2 for z/OS Tools
- Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS V5.1
- Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS V5.1
- IBM® Lotus® Domino® 8.5.2
- DB2 Accessories Suite for z/OS V2.1
- DB2 Utilities Suite for z/OS V10.1
- DB2 High Performance Unload for z/OS V4.1
- IBM Transaction Analysis Workbench for z/OS V1.1
- DB2 Administration Tool for z/OS V10.1
- DB2 Object Comparison Tool for z/OS V10.1
- DB2 Buffer Pool Analyzer for z/OS V5.1
- DB2 SQL Performance Analyzer for z/OS V4.1

### October 24

- DB2 High Performance Unload for z/OS V4.1
- IBM Transaction Analysis Workbench for z/OS V1.1
- DB2 Administration Tool for z/OS V10.1
- DB2 Object Comparison Tool for z/OS V10.1
- DB2 Buffer Pool Analyzer for z/OS V5.1
- DB2 SQL Performance Analyzer for z/OS V4.1
- DB2 Buffer Pool Analyzer for z/OS V5.1
- QMF Classic Edition, V10.1
- QMF Enterprise Ed. V10.1
- InfoSphere Classic Change Data Capture for z/OS
- InfoSphere IMS Replication for z/OS
- InfoSphere Classic Federation Server for z/OS v10.1

### October 25

- IBM® Lotus® Connections 3.0
- IBM System z Solution Edition for Lotus Collaboration

### October 26

- IBM® Lotus® Forms 4.0
- IBM Security zSecure suite V1.12
- Rational Team Concert v3.0
- Rational Developer for System z v8.0.1
- Rational Developer for zEnterprise v8.0.1
- Rational Developer for System z Unit Test v8.0.1
- Rational Business Developer 8.0
- Rational Asset Analyzer 6.0
- Rational Asset Analyzer for System z
- Rational Programming Patterns for System z v8.0

### November 9

- IBM WebSphere Lombardi Edition V7.1 for zLinux

### November 16

- IBM® Advanced Case Manager
- IBM® FileNet® Business Process Manager (BPM) Version 5.0

# IBM System z Software

*Seamlessly integrated with  
zEnterprise for optimal cost savings  
and performance*

We are delivering a new generation of integrated hardware and software

- Scales without complexity and delivers business process aligned infrastructure in a heterogeneous environment
- Provides real-time advanced analytics
- Unifies multiplatform development and team collaboration to work as a single, integrated service delivery platform
- Exploits the advantages of integrated service management
- Extends the value of Linux on System z with collaborative tools