



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

Tools for Rapid Development and Deployment



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Discover Your Assets on the Mainframe

How can our new employees discover the existing assets?

WebSphere Studio Asset Analyzer can help them



**Service Oriented Finance
CIO**



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DEMO: WebSphere Studio Asset Analyzer

The screenshot displays the WebSphere Studio Asset Analyzer for Multiplatforms Version 4.2. The main window is titled "Explore MVS assets" and shows a tree view of assets. A table on the left lists MVS assets with columns for Run time, Total, and Results. The table data is as follows:

Run time	Total	Results
Batch job	20	4
CICS group	123	0
CICS online region	4	0
CICS transaction	658	25
DB2 system	1	0
IMS DBD	11	0
IMS subsystem	3	0
IMS transaction	23	0
Run unit	358	17

The interface also shows a diagram of the impact analysis results, including a flowchart and a table of impact analysis results. The flowchart shows the impact of a change on various assets, and the table lists the impact analysis results for a specific asset.

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Service Oriented Finance Needs Productive Developer Tools

We have a lot of new solutions to build. If I build them all on System z, I will have to find more System z development skills



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With modern tools like Rational Developer for System z, you can boost the productivity of your existing team



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Rational Developer for System z (WDz)

- IBM's latest tool for System z development
 - ▶ Version 7.1 shipped Sep 2007

- Single integrated tool for developing mainframe applications using both traditional and newer technologies
 - ▶ Develop traditional COBOL/PL1/ASM/JCL/BMS/EGL applications
 - ▶ Develop Java/J2EE and Web applications, including JSF and struts

- Boosts developer productivity compared to green screen tools
 - ▶ Workstation tool based on Eclipse

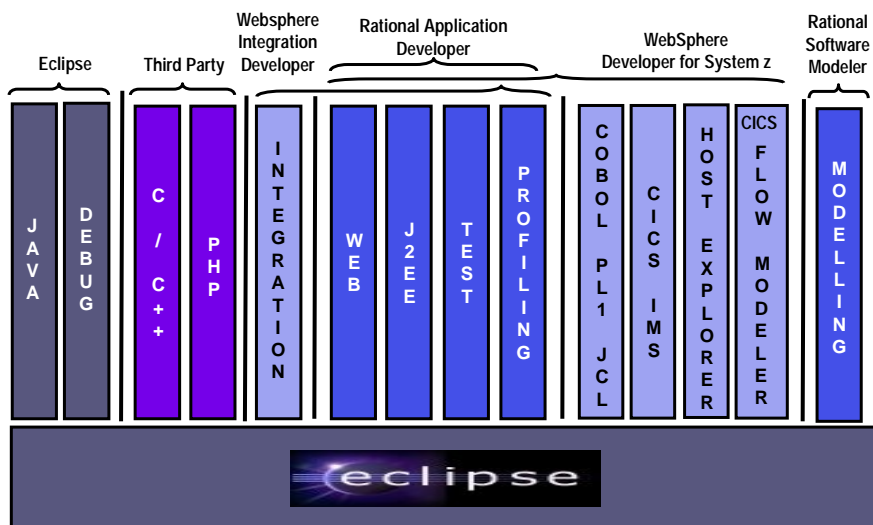
- Leverage existing assets in a Service Oriented Architecture
 - ▶ Quickly expose CICS transactions as native services
 - ▶ Visually wire together CICS transactions into a business flow

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IBM Tools for SOA Development

Function delivered as perspectives in eclipse



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DEMO: Introducing Rational Developer for System z

- Perspectives and views
- Remote System Explorer
- Working with host datasets
- Language-sensitive COBOL editor
- Edit/Compile/Debug
- Productivity features



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Rational Developer for System z Dramatically Lowers the Cost of Development for System z

- Productivity Increases over ISPF:
 - ▶ COBOL and PL/I Traditional Development
 - + 5% in program understanding
 - +10% in edit activities
 - +44% in compile/debug activities
 - ▶ Web Services and SOA development
 - +300% in programmer productivity

NEW! An independent study from the Branham Group

- Workstation based edit, compile, debug saves mainframe cycles
 - 80% reduction in cost of compiles

**Based on customer studies at
Fiducia, Deutsche Bank AG,
Nationwide, etc.**

http://www.branhamgroup.com/wdz_study

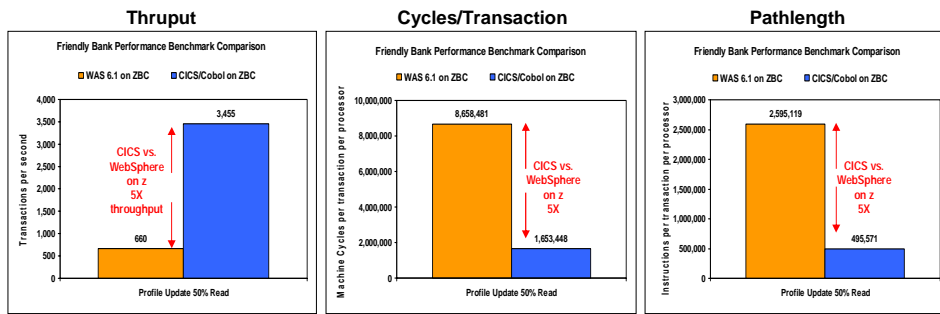
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Why Continue to Program in COBOL/CICS?

Case	Software	Hardware	Model	Processor Speed (Ghz)	# of Procs	Transactions per second	Total Cycles per instruction per processor	Total Cycles per transaction per processor	Instructions per transaction per processor
Profile Update 50% Read	WAS/zOS	Z	Z9BC	1.428	4	659.3	3.3	8,658,481	2,595,119
Profile Update 50% Read	CICS/zOS	Z	Z9BC	1.428	4	3454.6	3.3	1,653,448	495,571

Five times throughput advantage due to efficient pathlengths



Source: SWG Internal Measurements

Business Problem Solved

I am glad to see you have reduced our programming costs and our application backlog



Service Oriented Finance
CEO

Increased productivity using WSAA and WDz made this possible. I didn't need to hire more System z development skills.



Service Oriented Finance
CIO

