The Modern Mainframe…
At the Heart of Your Business

Tools for Rapid Development and Deployment

Discover Your Assets on the Mainframe

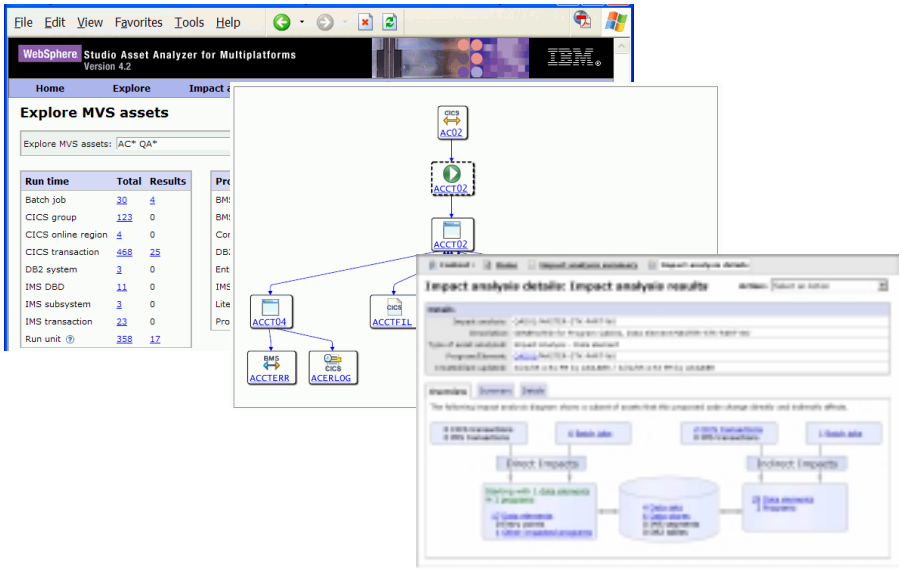
How can our new employees discover the existing assets?

Service Oriented Finance CIO

WebSphere Studio Asset Analyzer can help them

IBM

DEMO: WebSphere Studio Asset Analyzer



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

Service Oriented Finance CIO

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

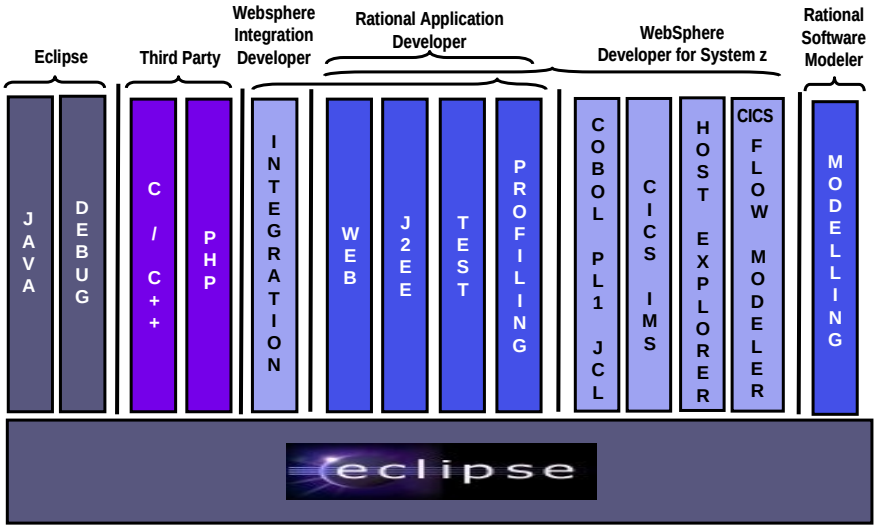
IBM

WebSphere Developer for System z (WDz)

- IBM's latest tool for System z development
  - Version 7 shipped Dec 2006
- 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

IBM Tools for SOA Development

Function delivered as perspectives in eclipse



DEMO: Introducing WebSphere Developer for System z

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

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

NEW! An independent study from the Branham Group

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

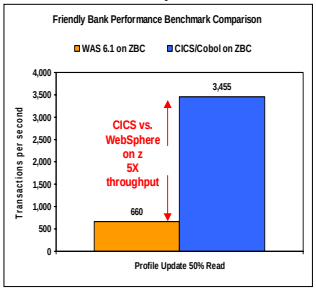
http://www.branhamgroup.com/wdz_study

Why Continue to Program in COBOL/CICS?

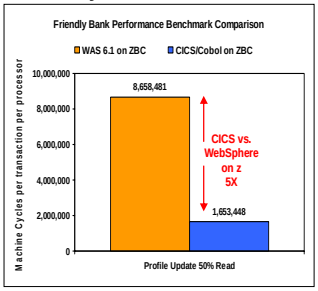
Case	Software	Hard ware	Model	Processor Speed (Ghz)	# of Procs	Transactions per second	Total Cycles per instruction per processor	Total Cycles per transaction per processor	Instructions per transaction per processor
Profile Update 50% Read	WAS/zOS	Z	Z9BC	1.428	4	659.3	3.3	8,658,481	2,595,119
Profile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

Five times thruput advantage due to efficient pathlengths

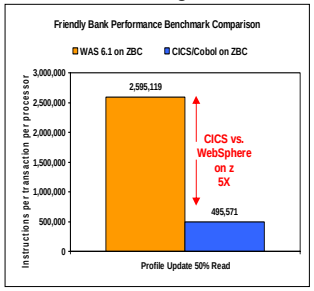
Thruput



Cycles/Transaction



Pathlength



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