



IBM CICS Explorer - The smart, new face of CICS





IBM Vision at a Glance...

Smarter Planet



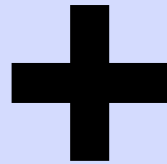
- instrumented
- interconnected
- intelligent
- people
- companies, institutions, industries
- man-made systems
- nature's systems



Today's Imperatives Are...

Cost Optimization

to slash operational and maintenance expense and maximize efficiency necessary for all economic climates



Agility

to take advantage of new revenue opportunities and address competitive threats

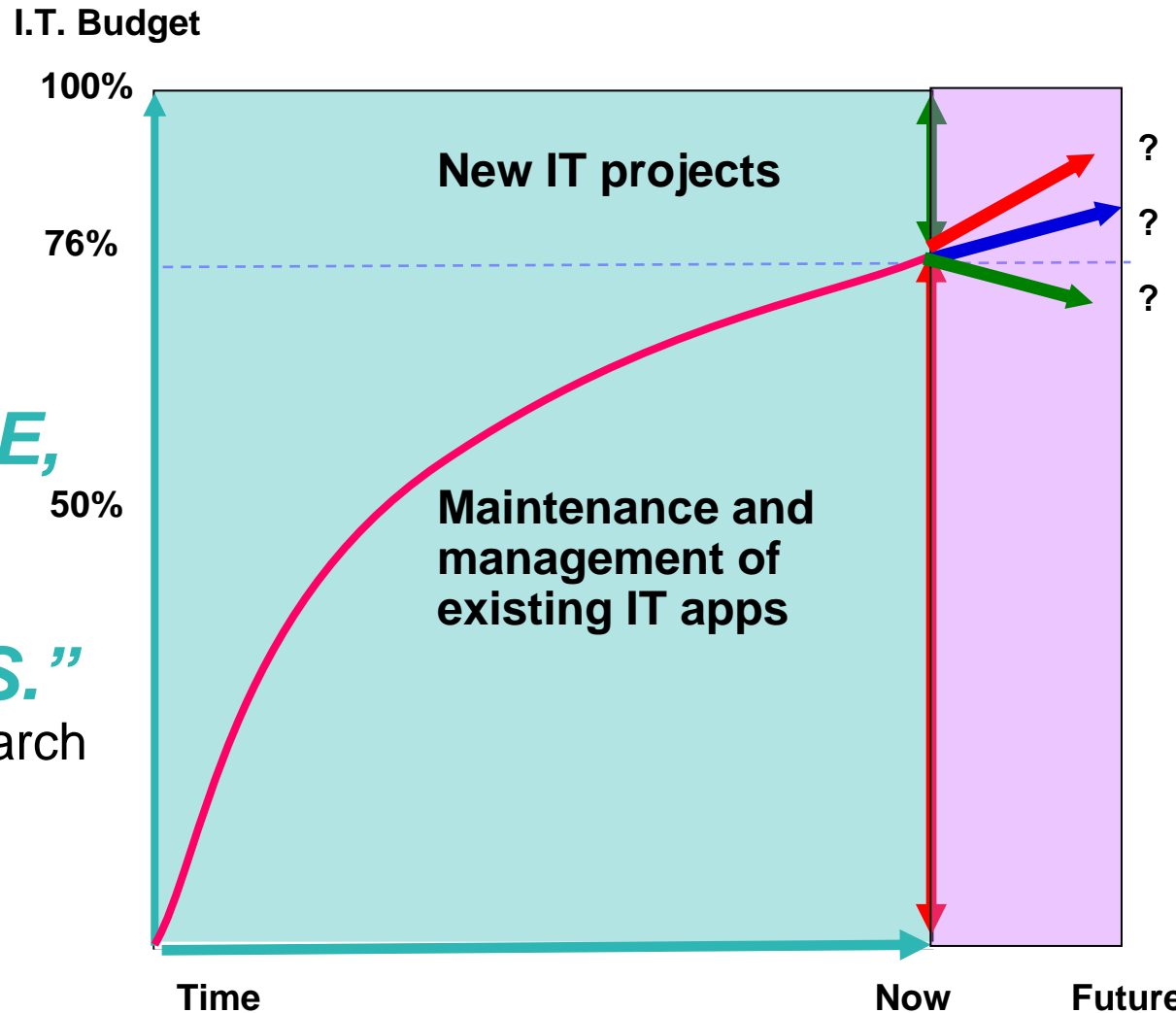
To Survive... To Succeed!



Where are IT Budgets Being Spent?

“76% of I.T budgets are spent on MAINTENANCE, leaving only 24% for NEW INVESTMENTS.”

--- Forrester Research

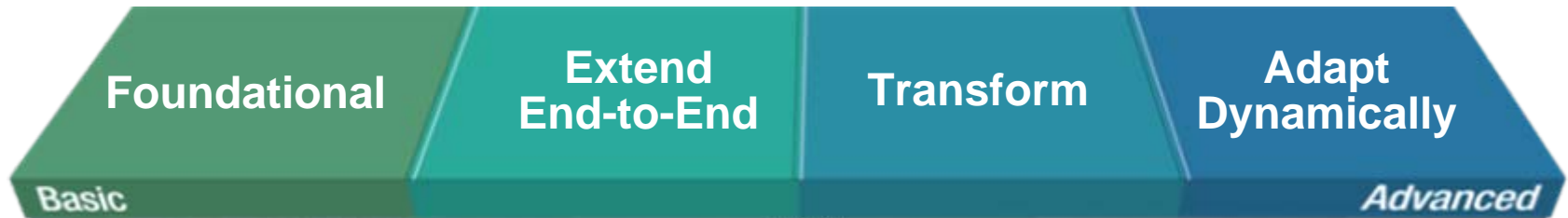




IBM's Smart SOA

Powers Smarter Business Outcomes Across a Continuum

Business



IT

SOA Application Infrastructure delivers the foundation for building, deploying and managing all types of applications, ensuring they deliver on business objectives regardless of the situation



The Power of a Smart SOA Application Foundation

Modernize applications



Expand client offerings using existing business data with Web 2.0

Execute high volume transactions



Reduce business risks with highly available, secure applications

Capitalize on dynamic situations



Timely insight with low cost situational applications

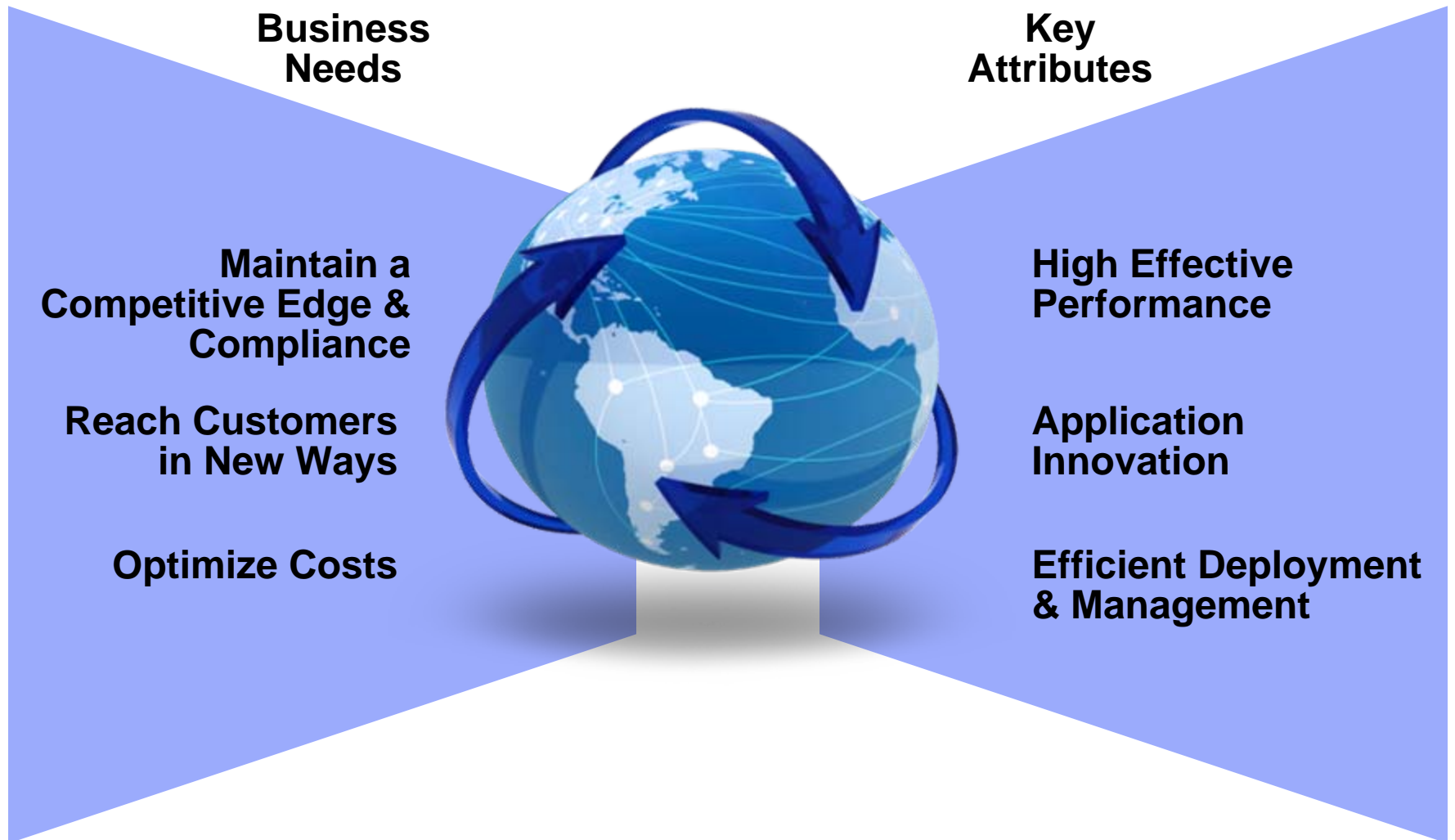
Manage worldwide operations



Rapidly introduce new capabilities throughout the business with centralized administration



Address your critical business needs with Smart SOA Application Foundation

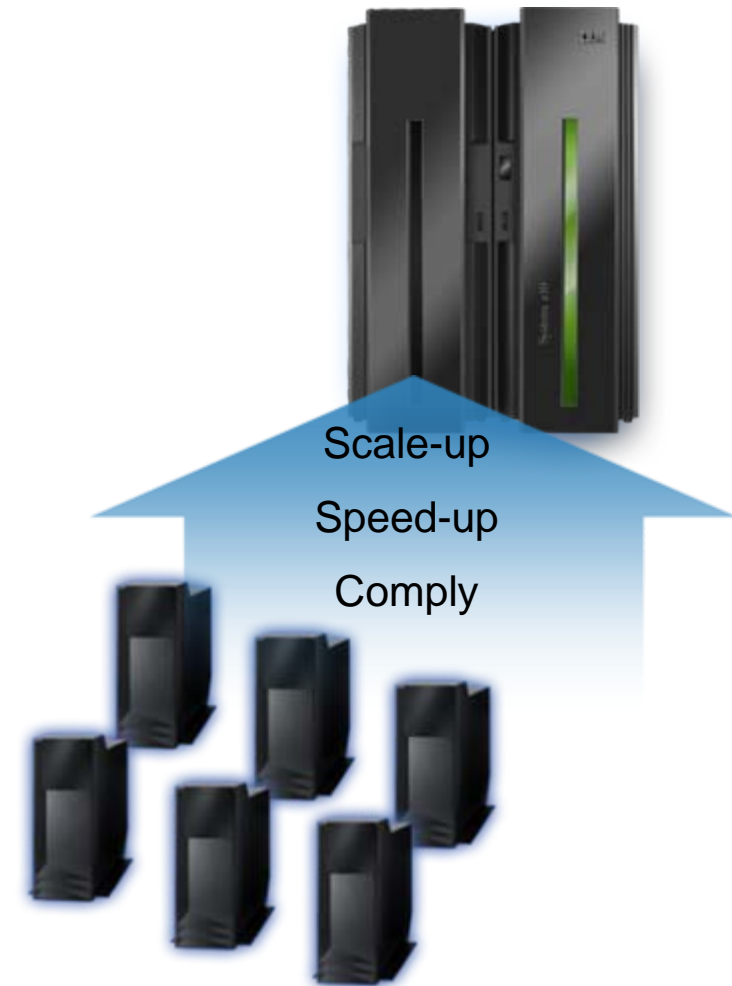




Maintain a Competitive Edge & Compliance

- **Applications should be available, secure, and responsive while reducing cost**
- **Customer demand needs to be met without complex IT infrastructure**
- **Customer data must be protected**

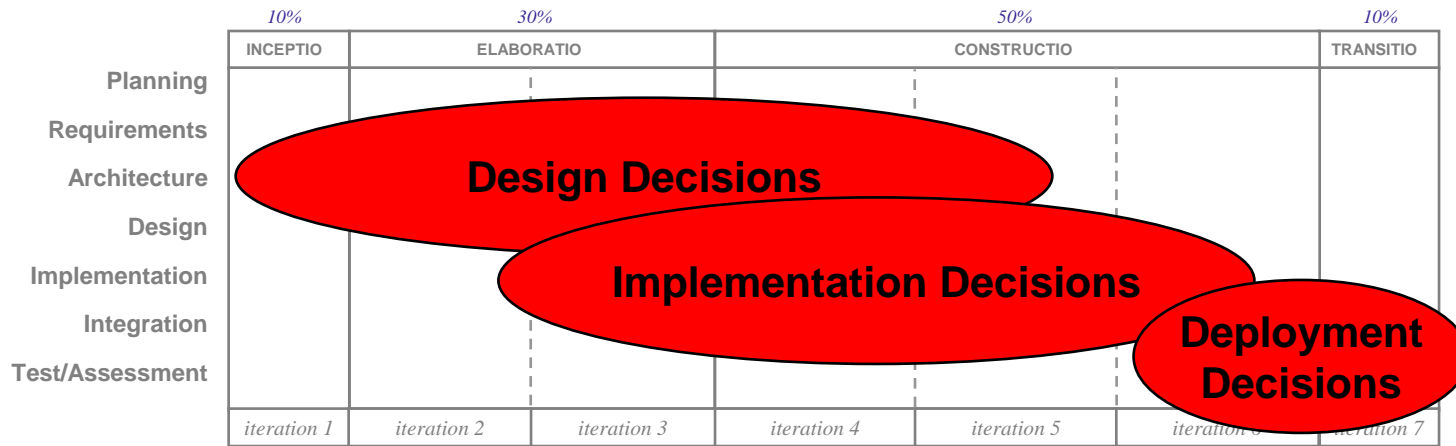
- **Get the highest performance for the lowest cost**
- **Support more business services with fewer IT resources**
- **Prevent costly compliance breaches**



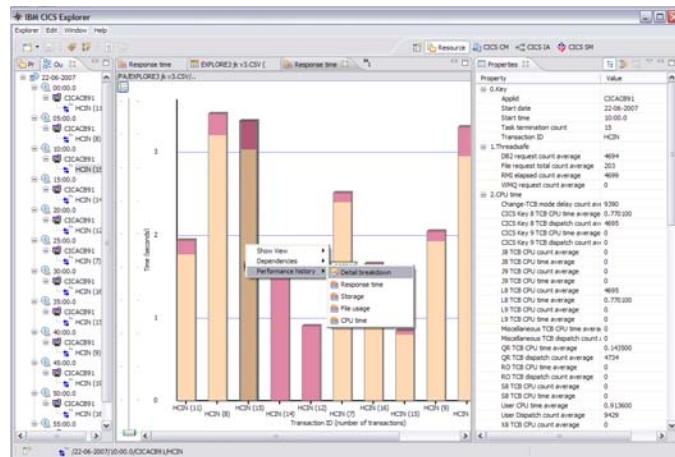


Achieve efficient application response time

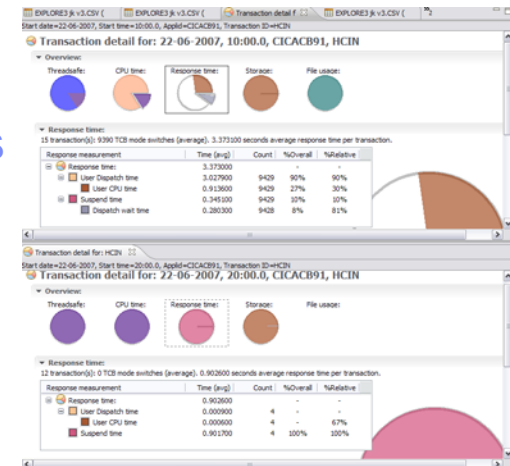
CICS Performance Analyzer



“For every phase in which a defect is left beyond the point of detection, it becomes 80 to 1,000 times more expensive to remove.” Gartner



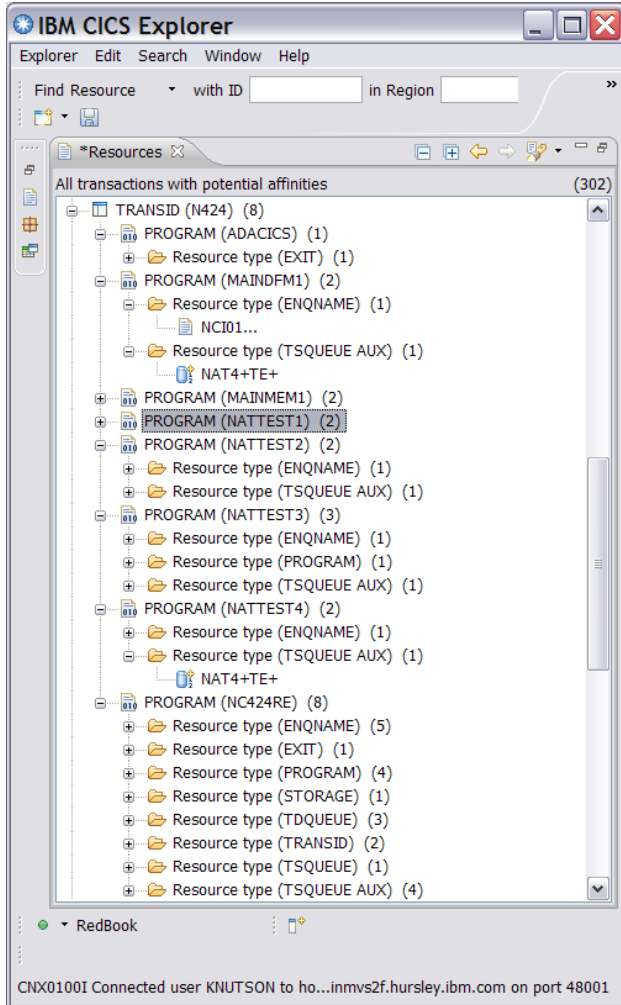
- Look for out of line metrics
- Drill into performance data
- Compare two test periods





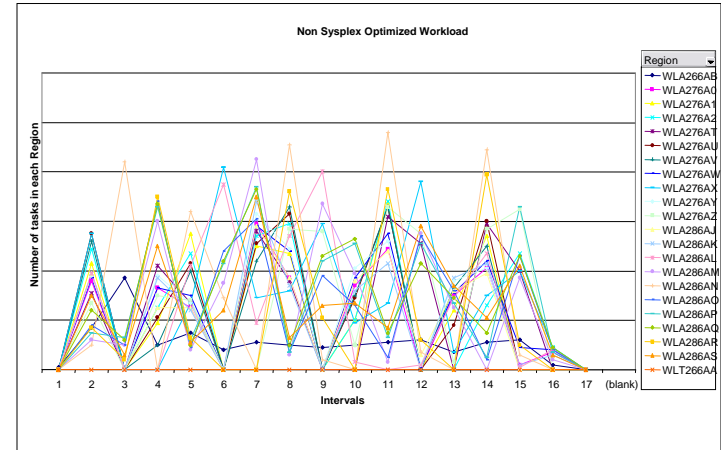
Consolidate workloads - improve throughput

CICSplex SM and CICS Interdependency Analyzer

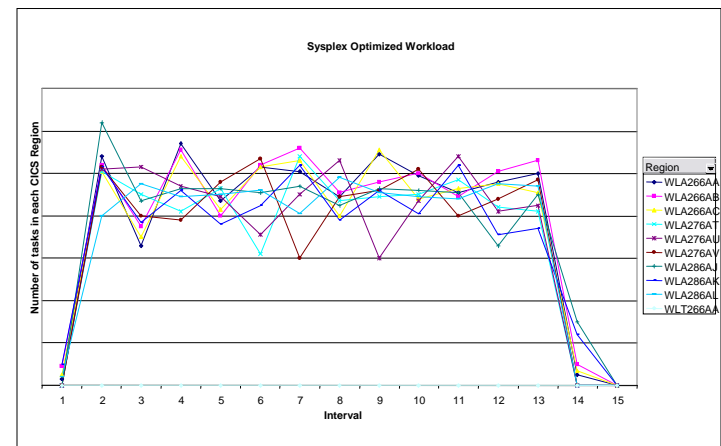


New Optimized Routing in CICSplex SM
smoothes work distribution for higher throughput

Non-optimized
27 CICS regions
17 seconds



Optimized
9 CICS regions
15 seconds



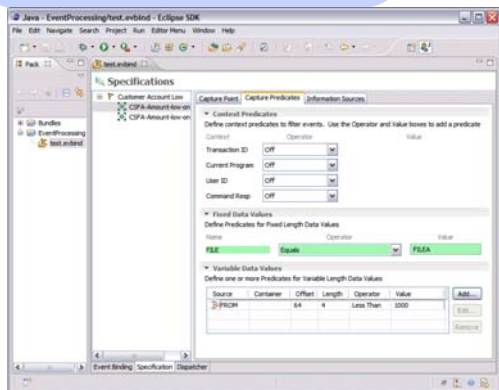
CICS Interdependency Analyzer identifies affinities
for removal or input to CICSplex SM



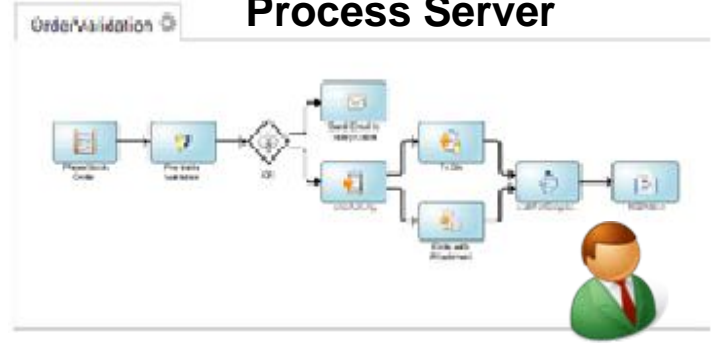
Provide insight for more flexible business control *CICS TS V4.1 and WebSphere Business Events*



CICS TS Version 4.1

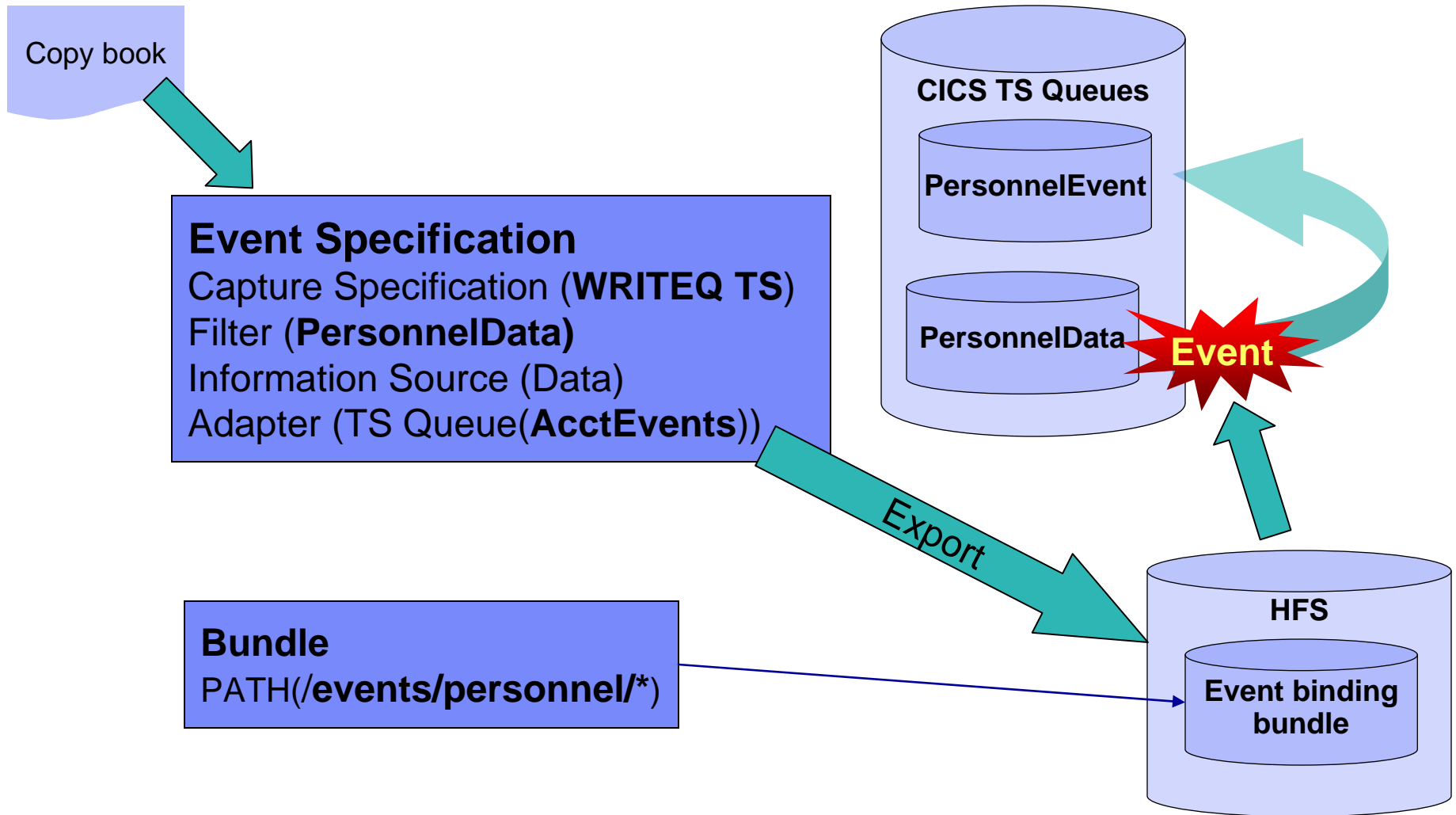


NO APPLICATION CHANGE REQUIRED with CICS V4.1





Resource Definitions for Business Events





Business events - DEMO

Click to play
CICS business events demo
from local file

Click to play
CICS business events demo
from YouTube

YouTube link <http://www.youtube.com/watch?v=MZHQylwZJLQ>



Reach Customers in New Ways

- **Difficult to stay competitive and deliver rich user experiences?**
- **New applications need to optimize use of existing applications and services?**
- **Increasing demand for situational applications?**

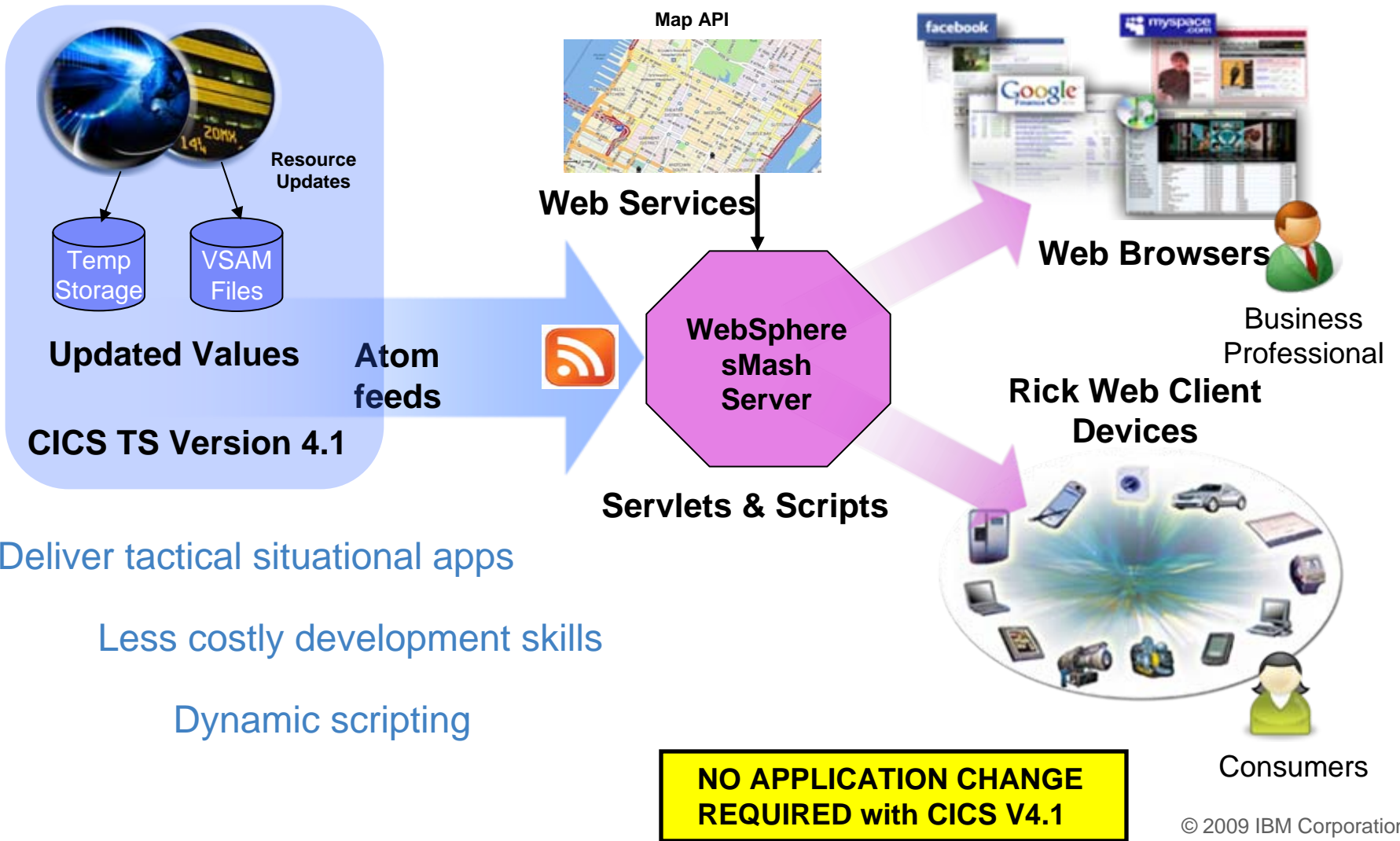
- **Achieve faster ROI with SOA reusing applications and services**
- **Quickly deliver applications using Web 2.0**
- **Enable real-time access from mobile devices**





Improve customer experience with innovative communications

CICS TS V4.1 Atom feeds



Deliver tactical situational apps

Less costly development skills

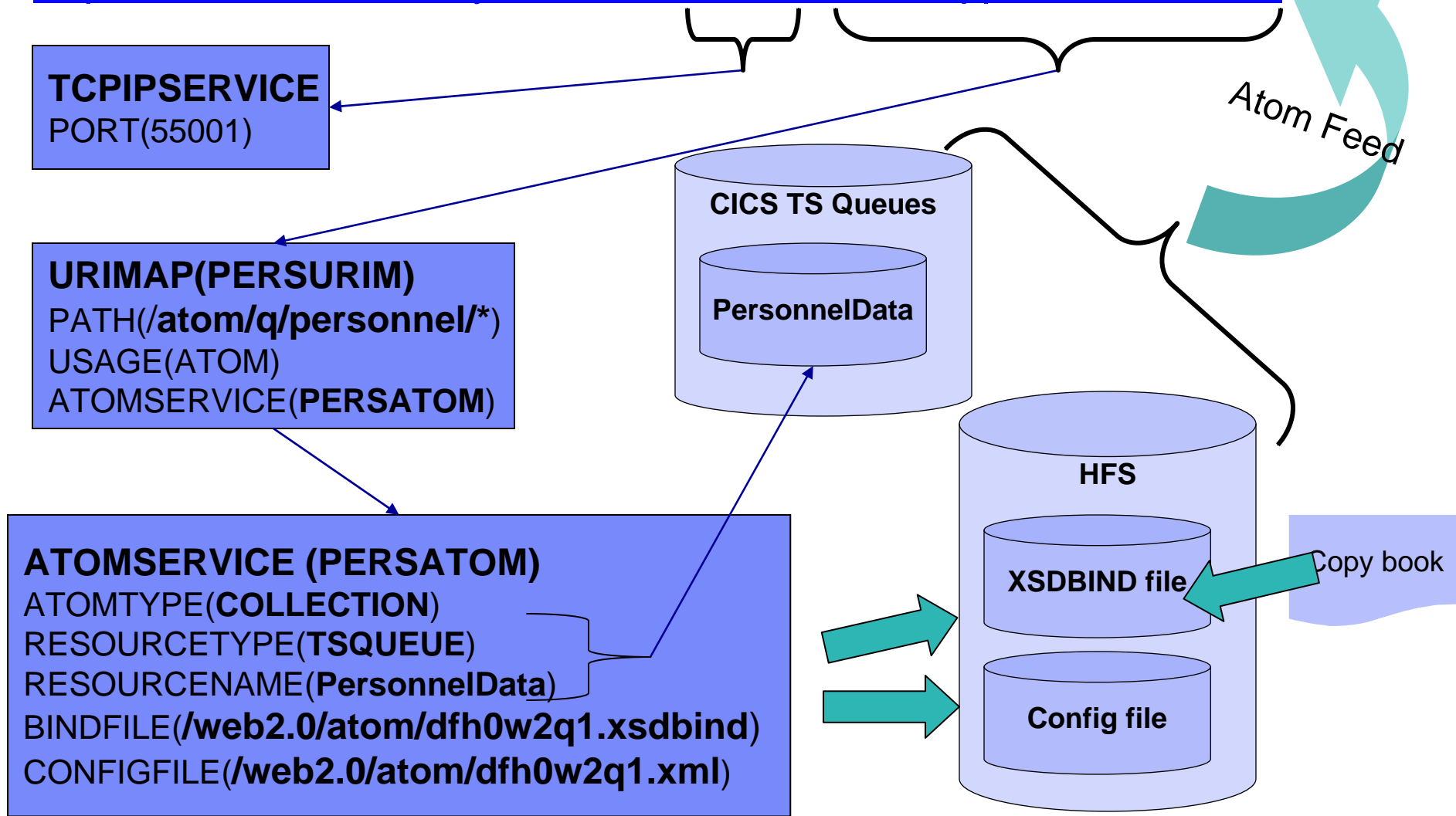
Dynamic scripting

**NO APPLICATION CHANGE
REQUIRED with CICS V4.1**



Resource Definitions for Atom Feeds

<http://winmvs2f.hursley.ibm.com:55001/atom/q/personnel/feed>





CICS Atom Feed - DEMO

**Click to play
CICS Atom Feed
demo from local file**

**Click to play
CICS Atom Feed demo
from YouTube**

YouTube link <http://www.youtube.com/watch?v=-c9dKu7BIgU>

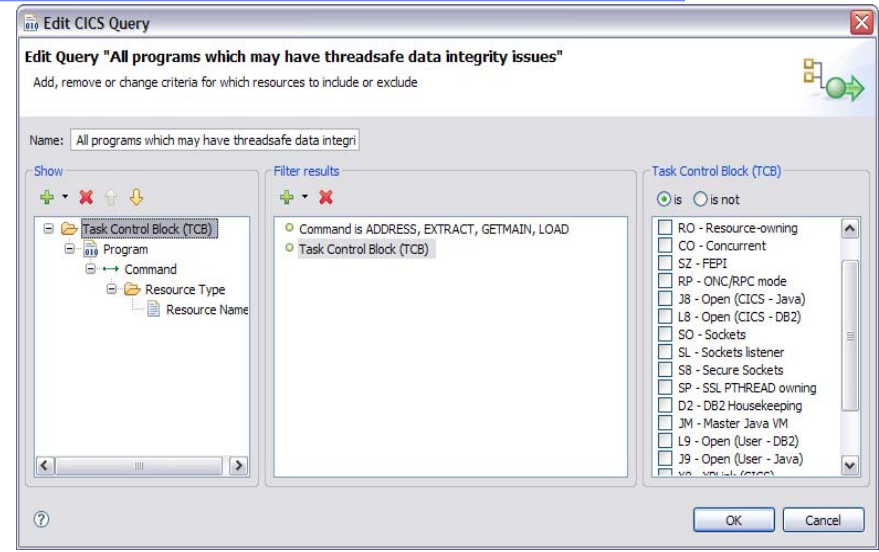
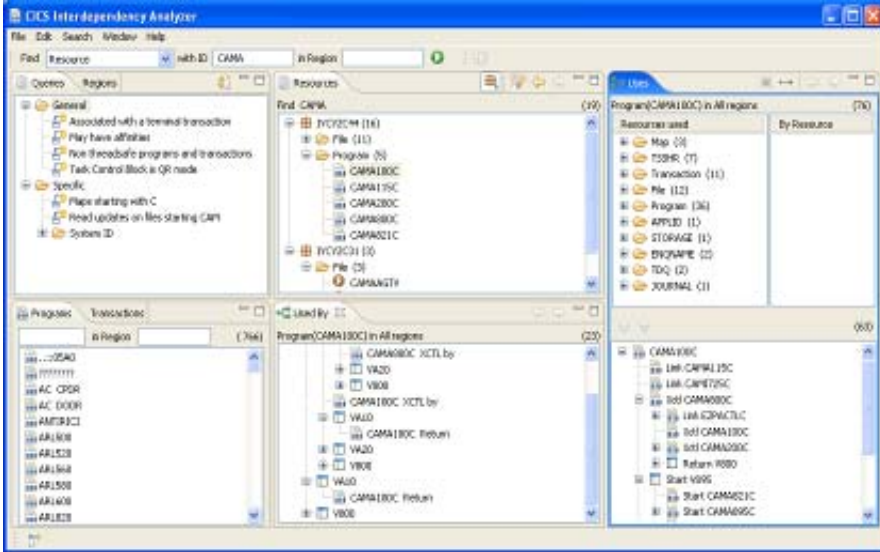


Reuse and extend legacy and packaged apps

CICS Interdependency Analyzer



Application Insight



Questions

- Which programs would make good Web services?
- Where are my Business Event sources?
- Which programs use these files, queues, tables?

Business Value:

- Reduced risk of problems changing complex applications when under time pressure or without deep CICS skills
- Bring new staff up to speed quickly
- Deliver situational applications to broader user community



Optimize Costs Through Efficiency

- **Need to deliver new & custom applications fast?**
- **Cost of development is rising, but budgets are declining?**
- **Geographically dispersed infrastructure is costly to manage?**

- **Use less costly development skills to build web apps**
- **Be productive with integrated tools that reuse what you have**
- **Cut operational costs with centralized application management**





Work smart with complex CICS configurations

CICS Configuration Manager

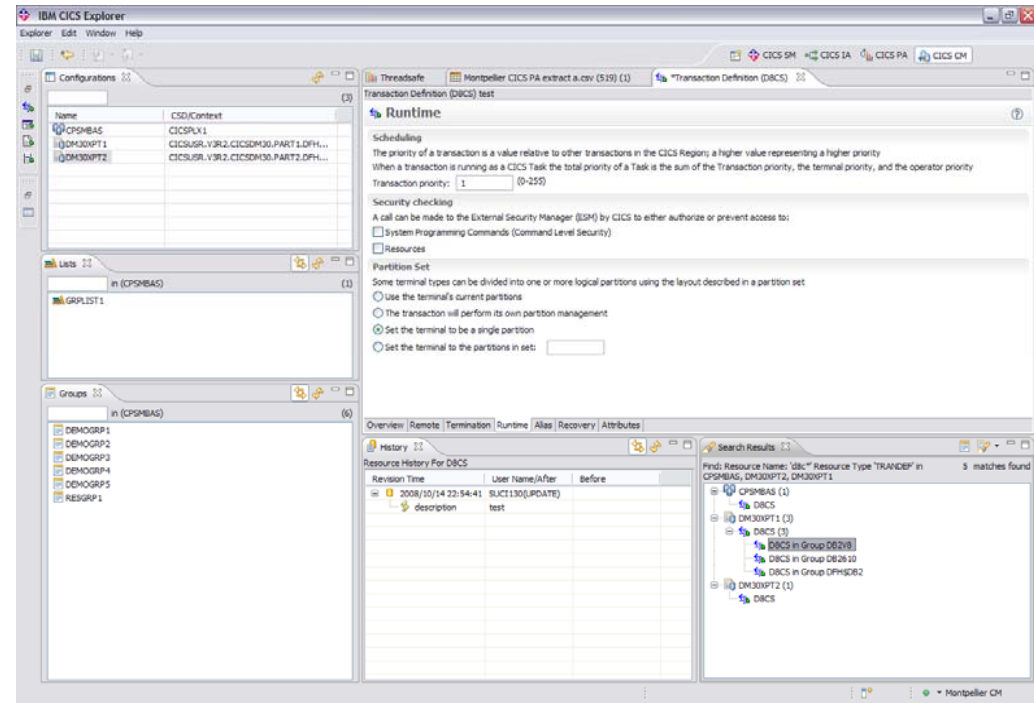


Sound like you?

- New staff?
- Complex CICS resource definitions?
- Home-grown tooling?

If so, you need ...

- Smart editors - no *magic values*
- Powerful search across multiple repositories
- Find orphans and duplicates
- Cleanup and cold-start analysis

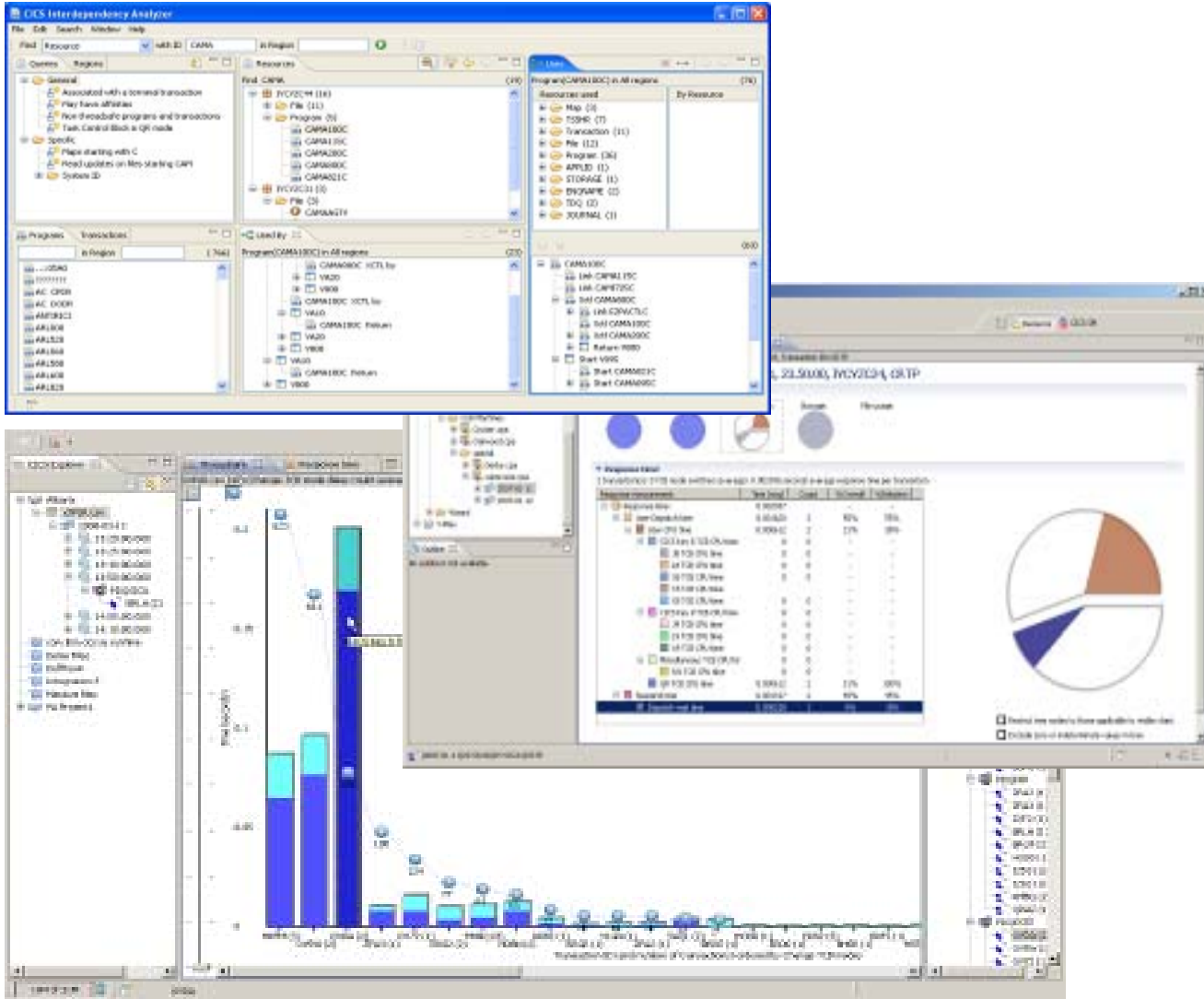


- Reduces risk of downtime
- Accountability and control
- Reduce administration and tool maintenance costs



Increase productivity with integrated tools

CICS Interdependency Analyzer, Configuration Manager, Performance Analyzer



- Reduced risk when changing complex applications
- Effective performance analysis saves MIPs and reduces costs
- End-to-end accountability



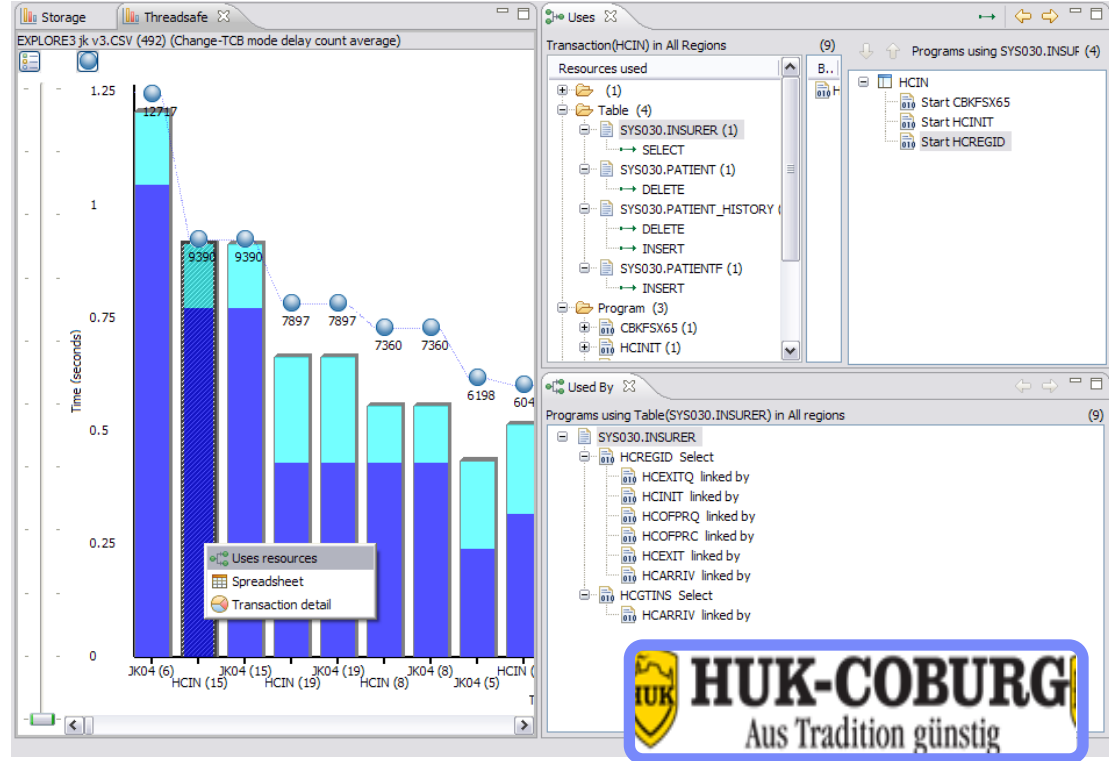
Reduce CICS CPU usage with Threadsafe *CICS Interdependency Analyzer, CICS Performance Analyzer*

Problem

- **Need to access more functionality and spread out its data processing load**
- **Reduce CPU usage to cut operating costs**

Solution

- **Intuitive views**
- **Task-oriented approach, e.g. Threadsafe Analysis**
- **Drill-down into application structure**



- **Reduces CPU usage**
- **Save real money**





Threadsafe - DEMO

**Click to play
CICS Threadsafe
demo from local file**

**Click to play
CICS Threadsafe demo
from YouTube**

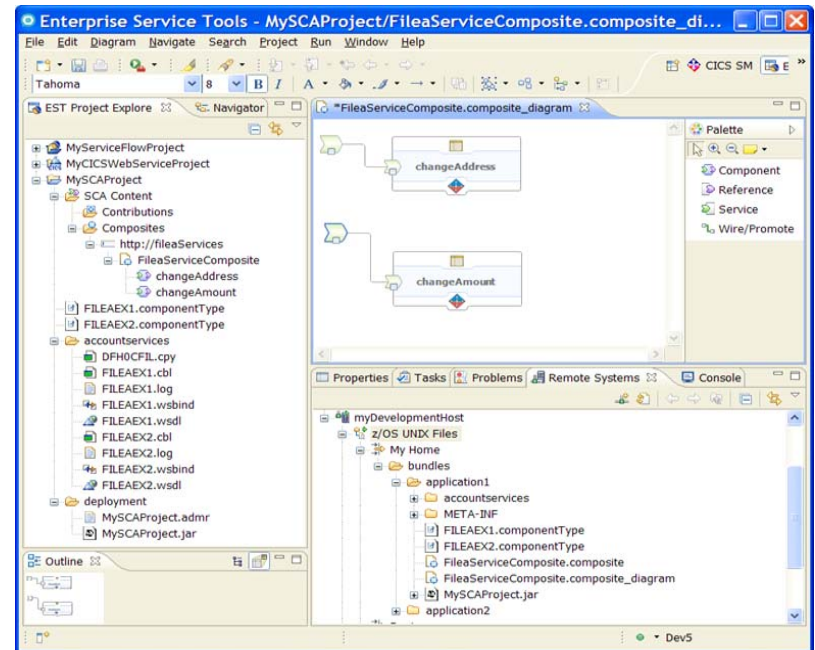
YouTube link http://www.youtube.com/watch?v=3srq6YW_IUw

Accelerate development with open standards

Rational Developer for System z

Consolidate and standardize on a single multi-language development environment for CICS

- *Web Services*
- *Service Flow*
- *SCA*
- *COBOL and PL/I*
- *Java*
- *EGL*
- *Debug and Fault analysis*
- *File Management*
- *CICS Explorer and CICS Tools*



Available CICS Explorer Plug-ins

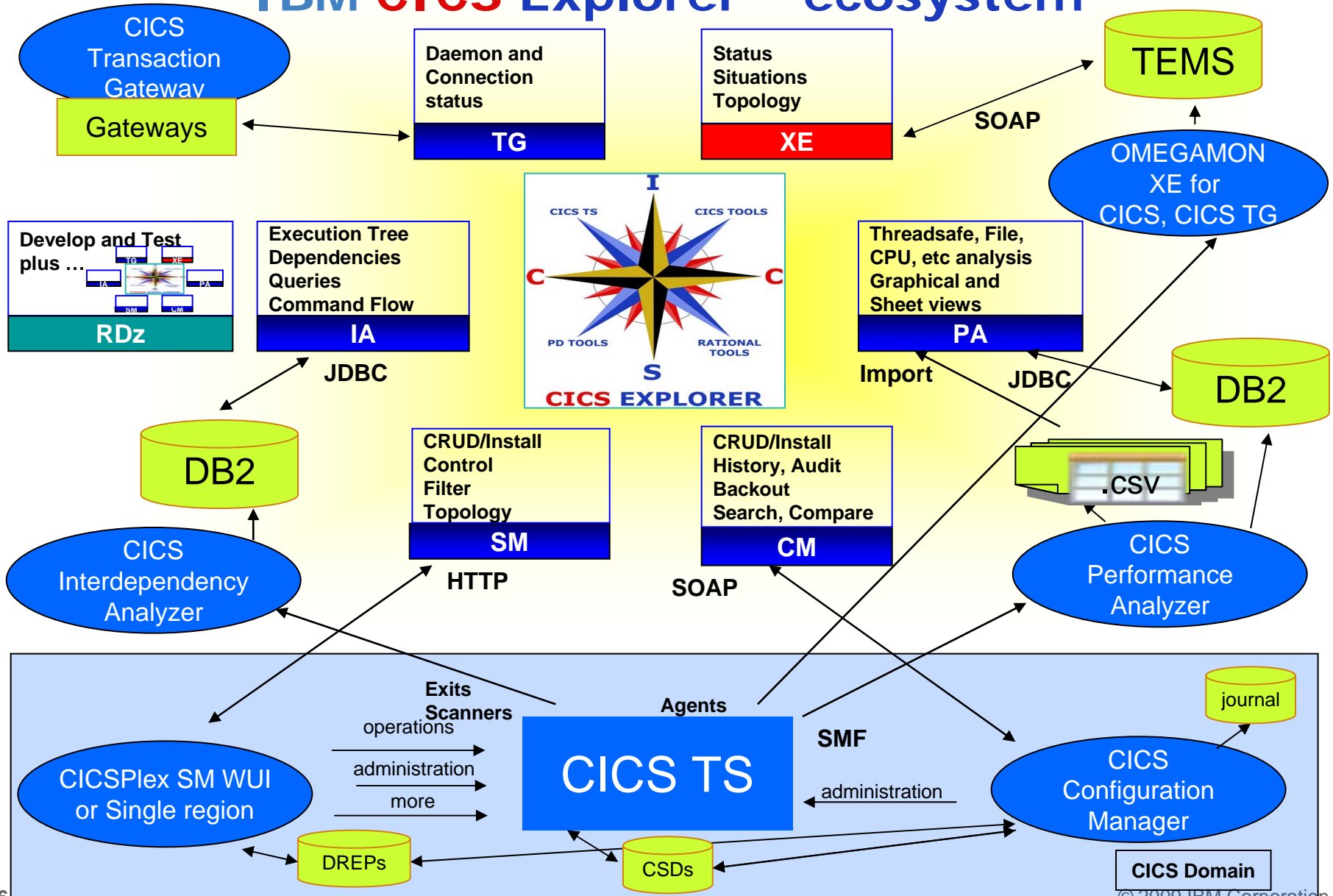
- Base (SM)**
 - CRUD, Install, Control, Filter, Topology, Events, Bundles
- CICS Performance Analyzer V3.1**
 - Threadsafe, File, CPU, etc analysis, Graphical and Sheet views
- CICS Interdependency Analyzer V3.1**
 - Execution Tree, Dependencies, Queries, Command Flow, Natural & ADABAS
- CICS Configuration Manager V2.1**
 - CRUD, Install, History, Audit, Backout, Search, Compare
- CICS Transaction Gateway V7**
 - Daemon and Connection status
- OMEGAMON XE for CICS V4.2**
 - Status, Situations, Topology
- Rational Developer for System z V7.6**
 - Developer views, SCA



<http://ibm.com/cics/explorer/download>



IBM CICS Explorer™ ecosystem





What else is new in CICS TS V4.1?



CICS Explorer

- Enhanced CICSplex SM workload management
- New SPI commands for managing the CSD
- Discovery Library Adapter
- Improvements to XML parsing in CICS
- Large file hosting
- Performance Improvements
- IPv6
- IPIC Transaction Routing
- MQ Group attach
- Application Bundles
- Service Component Architecture
- Web Services Addressing

“Faster and easier to respond to change”

Business event processing

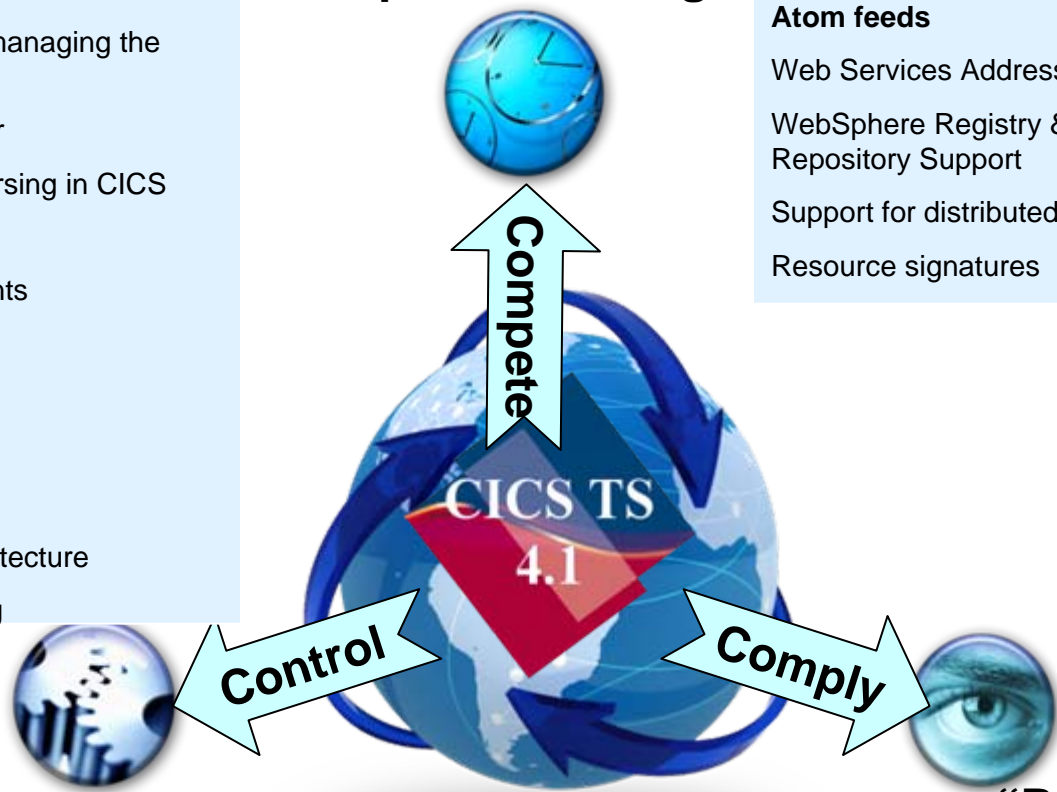
Atom feeds

- Web Services Addressing
- WebSphere Registry & Repository Support
- Support for distributed identities
- Resource signatures

Business event processing

Atom feeds

- RESTful interfaces
- Service Component Architecture
- Java 6



“Greater efficiency and reduced costs”

“Real-time visibility for smarter decisions and actions”



Call to Action

- **Learn more about CICS Explorer**
 - Read the [New CICS Explorer Redbook - SG24-7778-00](#)
 - Request a [CICS Smart Seminar](#) from your IBM account rep
- **Start using CICS Explorer**
 - Download from <http://ibm.com/cics/explorer/download>
- **Extend the value of the CICS Explorer**
 - Move to CICS TS V4.1
 - Add CICS Tools and other plug-ins
 - Build your own plug-ins



Summary

- **Maintain Competitive Edge & Compliance**
- **Reach Customers in New Ways**
- **Optimize Costs Through Efficiency**





New CICS Explorer Redbook - SG24-7778-00



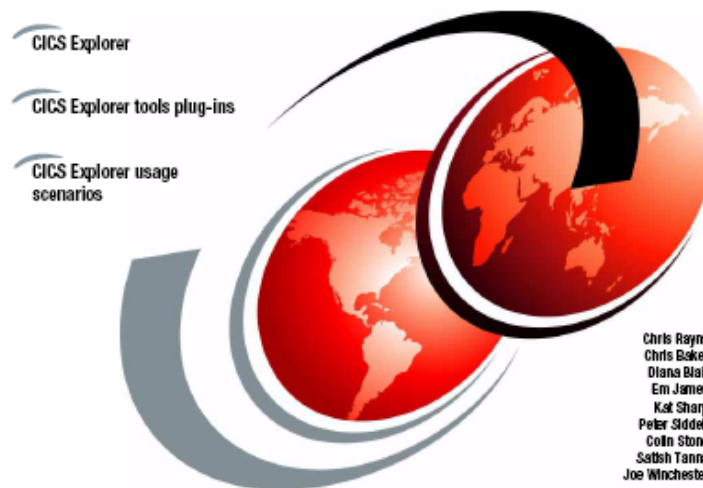
SG24-7778-00

- This Redbook® focuses on the new CICS Explorer
- The first part of the Redbook overviews the CICS Explorer, along with all the CICS Tools plug-ins
- The second part of the Redbook focuses on different scenarios in which the CICS Explorer can be used, along with the CICS Tools plug-ins to resolve different problems
- <http://www.redbooks.ibm.com/redpieces/abstracts/sg247778.html>

Coming soon: New Extending the CICS Explorer Redbook

Draft Document for Review August 26, 2009 10:50 pm

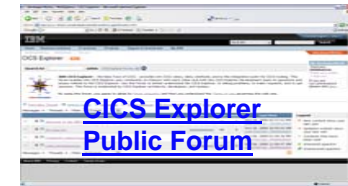
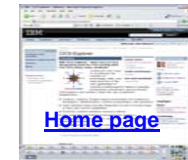
CICS Explorer

ibm.com/redbooks**Redbooks**

*“RedBooks are very good, this one is just **Excelsissimus!** I can't wait for the final!”*
customer feedback on public review draft

CICS Communities and Information

- **CICS Transaction Server V4.1**
 - <http://ibm.com/cics/tserver/v41/>
- **[CICS Explorer home page](#)**
 - Remember this link ibm.com/cics/explorer
- **[CICS Explorer Forum](#)**
 - <http://tinyurl.com/68bndw>
 - IBM developerWorks forum with FAQs, Links and resources, ISV Contributions, etc. Ask questions, suggest improvements, report problems, chat
- **New! CICS Hub on the Rational COBOL Café**
 - <http://ibm.com/software/rational/cafe/community/cobol/cics>
- **Twitter**
 - Subscribe to the [IBM System z channel](#) to get CICS Explorer news flashes
- **CICS Blog**
 - Comment and opinion at TheMasterTerminal.com
- **[CICS eNews](#)**
 - Subscribe for news about CICS and related products
- **YouTube channels**
 - [CICS Explorer](#) - Videos, demos and other cool stuff
 - [CICSFluff](#) - Other CICS videos



CICS Development Technical Services

Helping to solve Business Problems and exploiting new Business Opportunities

Engage the IBM Hursley CICS development team to ensure that you get the maximum value from your CICS investments.

Consultants are now available via a funded services engagement directly from CICS development providing a complete range of CICS services - no one has more experience!

- **For more information please contact: CICSTDS@uk.ibm.com**



CICS Smart Seminars

Free customised technical agenda of CICS TS and CICS tools products

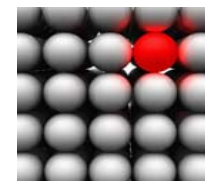
- Web Services, Events, Web 2.0, version upgrades, tooling etc.

Targeted at AD, System Programmers and Architects at customers' own location

Demonstrates how to use the new features in the latest releases to leverage existing solutions

Can be tailored to customers interests

- **For more information please contact: cicssem@uk.ibm.com**





Sources of Info

▪ Web

- CICS Tools
 - Home page ibm.com/cics/tools/
 - Trial download ibm.com/software/os/zseries/trials/cicstools/
- CICS Explorer
 - Home page ibm.com/cics/explorer
 - Download page <http://ibm.com/cics/explorer/download>
- CICS TS home page ibm.com/cics

▪ Demos and animations

- CICS Explorer demo - featuring Threadsafe Analysis using the CICS PA and CICS IA perspectives - <http://www.youtube.com/watch?v=Jk3Ydvl8Ino>
- CICS Explorer animation - <http://www.youtube.com/watch?v=-NzVwUi5ILw>
- CICS Transaction Server in your SOA - Great source of links to more CICS ecosystem information - [ftp://ftp.software.ibm.com/software/http/cics/presentations/CICS_TS_in_your_SOA - Links - Issue 3.ppt](ftp://ftp.software.ibm.com/software/http/cics/presentations/CICS_TS_in_your_SOA_-_Links_-_Issue_3.ppt)



Impact 2010 Highlights

Impact 2010 - The Premier Conference for Business and IT Leaders

Discover new innovative ways to work smarter and achieve business agility now. Impact 2010 provides a unique setting to bring company executives and technologists together at a single event providing a unique opportunity for them to discover how to align business objectives with IT, interact with technology and business leaders and experts from around the world and ultimately optimize their business performance and results.

A new Business Program that will focus on:

- **optimizing business processes**
- **improving decision management**
- **empowering the changing workforce, and globalization**

An enhanced Smart SOA and BPM Technology Program:

- **Dedicated with tailored workshops and hands on labs**

A bigger focus on your industry!

- **300+ industry leading experts on site**

A new Interactive Symposium

- **Bringing LOB and IT together in consultative sessions**

A new Product Technology Center offering:

- **Open labs, tech zones, and product demos**

A new and improved Track structure with:

- **200+ client speakers, 50 Birds of a Feather sessions, & free certification testing**

A state-of-the art Solution Showcase Center!



Join us in Las Vegas
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www.ibm.com/impact



Let's Build a Smarter Planet on System z

