IBM System z Technology Summit

Day In the Life Scenario - Developer sequence

Using RTC, RAAi and EGL integrated with RDz

Jan, 2011

Scenario

JK Enterprises has a business need to provide their partners an interface into back end processing.
Doing so will drive top line growth and extend their business.

IT has the high level request, but there are inhibitors:
- What code executes these processes now?
- How will they extend it to the web?
- If they change the code what is the impact to other logic or applications?
- How will they track schedules and report changes?

Chief architect has set a strategy for services oriented architecture (SOA) and enterprise integration.

Although the processing is run on the mainframe, that team needs to demonstrate their value and contribute to the go forward strategy.

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Objective: Create a Web 2.0 Client from existing COBOL/CICS application

Analyst/Architect:
Analysis to understand the necessary transformations and impact

1. IT has received the requirement to move the existing CICS transaction (BKXX) to the Web and creates the requirement (work item) using Rational Team Concert (RTC).

2. Analyst or architect receives the request.
    Uses Rational Asset Analyzer (RAA) to understand application framework.
    Also need to determine which assets to transform along with impact analysis of any changes.

3. Using Rational Team Concert (RTC) creates additional requirements (work item) for development team to proceed with the transformations.
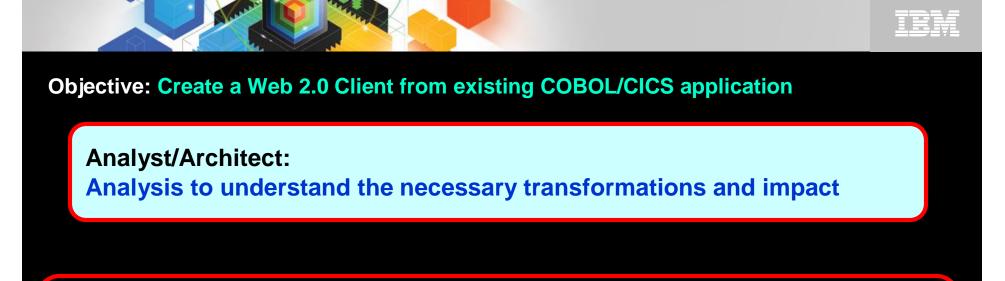
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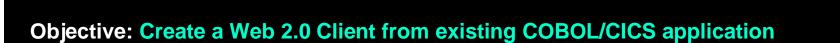
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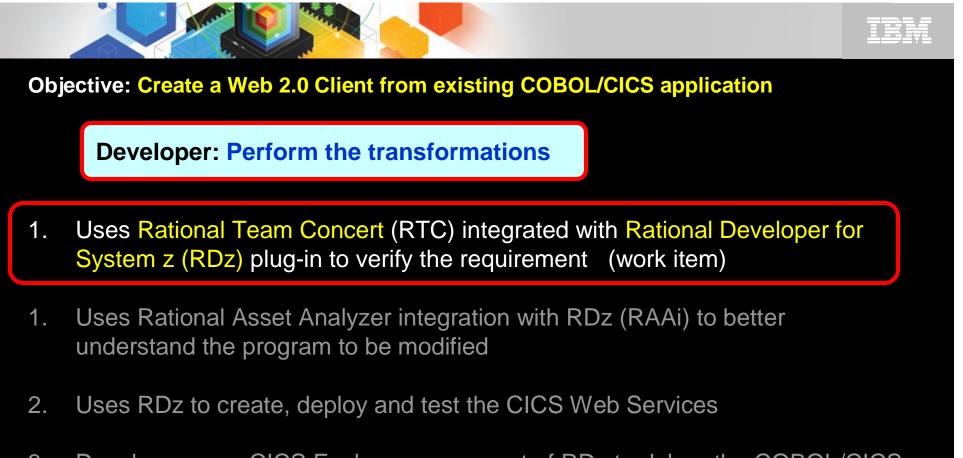
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1. Uses Rational Asset Analyzer integration with RDz (RAAi) to better understand the program to be modified

2. Uses RDz to create, deploy and test the CICS Web Services

3. Developer uses CICS Explorer component of RDz to debug the COBOL/CICS program using the z/OS Debug Tool (running on z/OS – RDz UT)

4. Developer Create and test the Web 2.0 interface using RDz with EGL

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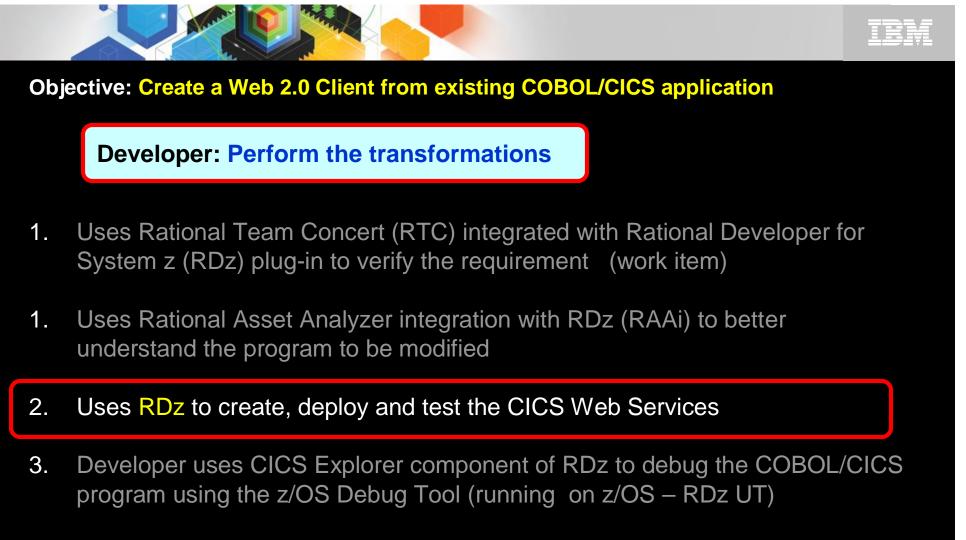2. Uses RDz to create, deploy and test the CICS Web Services

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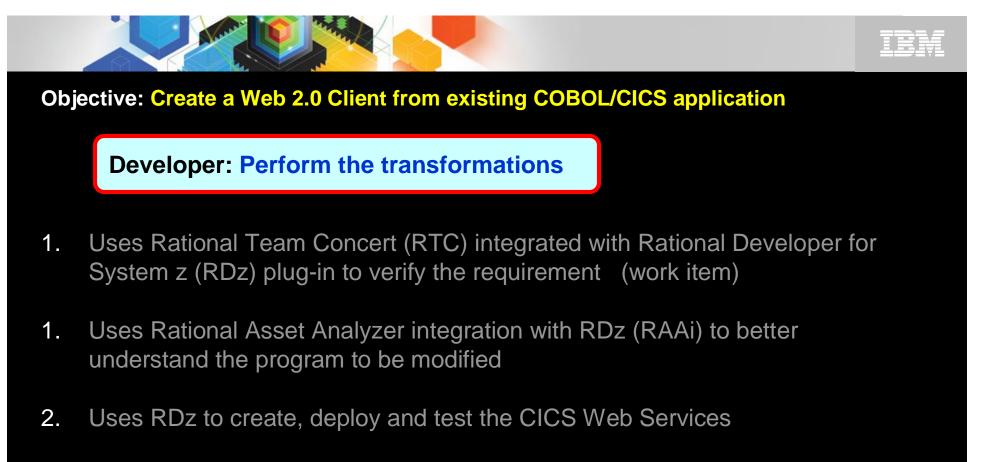4. Developer Create and test the Web 2.0 interface using RDz with EGL

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http://www.ibm.com/developerworks/downloads/emsandbox/

Since the System z and Power Sandboxes are deployed in IBM's own data centers and available through a browser with a minimal footprint (i.e., a Citrix plug-in install) you can now realize the value proposition of IBM's Software Products firsthand within minutes.

Discovering the value of IBM Rational Developer for System z

FREE

Attendees will complete structured walk through labs that demonstrate the major features and new functionality of RDz. The labs also provide an introductory hands-on experience to using RDz on building a zSeries-based Service Oriented Architecture (SOA).
The main points to be covered are:
• How to code test and debug a simple COBOL or PL/I program that access DB2 without connection to the mainframe using RDz
• How to code compile and debug using a remote connection to z/OS eliminating the need for   /ISPF.
• How to create a Java client from existing z/OS CICS or IMS COBOL programs using J2C connectors and then test it.
• How to transform and test existing COBOL programs to understand XML enabling service-oriented architecture (SOA) access to CICS Transaction Server and IMS.
• How to create test and debug z/OS DB2 Stored Procedures using COBOL or PL/I
• How to use the BMS Editor for CICS or MFS Editor for IMS with RDz.
• How to use the Enterprise Service Tools Service Flow modeling capability of RDz to create a business service that may be deployed to CICS and invoked as a Web service
• How to generate COBOL/CICS/DB2 COBOL program from existing z/OS DB2 tables using RDz wizard
• How to generate a Web application that access databases and Web 2.0 examples using EGL wizards.

Duration : 2 days

POT Link

http://techworks.dfw.ibm.com/americas/RWBA-7P8LKX

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