A System z Developer's Journey Through the Application Lifecycle

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Scenario

JK Enterprises has a business need to provide to make a quick update to an existing application and work on a web front end

IT scenario is:

• Establish a requirement

• Break the requirement into working tasks, plan and assign them

• Execute on the tasks defined ensuring a level of quality before promoting it to the next stage

• Promote the changes to final test
Products to be demonstrated

Collaborative Lifecycle Management (CLM)
- Rational Team Concert (RTC)
- Rational Requirements Composer (RRC)
- Rational Quality Manager

Rational Developer for System z (RDz)

Rational Development and Test Environment for System z (RD&T)
**Rational Team Concert**: Workbench for Collaborative Lifecycle Management

A robust, extensible solution for analysts, developers and quality professionals.

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**Rational Workbench for Collaborative Lifecycle Management**

- **Product/Project Manager**
- **Analyst**
- **Developer**
- **Quality Professional**
- **Architect**

**Best Practice Processes**

- Architecture Management
- Asset Management
- Requirements Management
- Configuration & Change Management
- Quality Management
- Build & Deploy Management
- 3rd-Party Jazz Capabilities

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Rational Developer for System z

- **What is RDz**
  - Eclipse-based IDE speeding modern composite (SOA) application development
- **RDz supports Enterprise Modernization**
  - Supports common IDE for COBOL, PL/I, C, C++, HLASM, Java, EGL and web services
  - Transforms UML to COBOL source code
  - Provides interactive access to z/OS for development, debug, job generation, submission, monitoring, command execution
  - Supports new and existing runtimes (CICS, IMS, Batch, USS, DB2 SP, WAS)
- **RDz supports SOA**
  - Enables CICS and IMS applications for web services and SOA
  - Supports for J2EE, JCA, XML, web services
Using RDz Unit Test Feature

RDz Client

COBOL, PL/I, C++, Java, EGL, Batch, Assembler, Debug Tool

IMS  CICS  DB2

WAS  MQ

z/OS

x86 PC running Linux

RDz Unit Test (RDz UT)