



Bridging the COBOL to Java Divide

isCOBOL APS Webinar



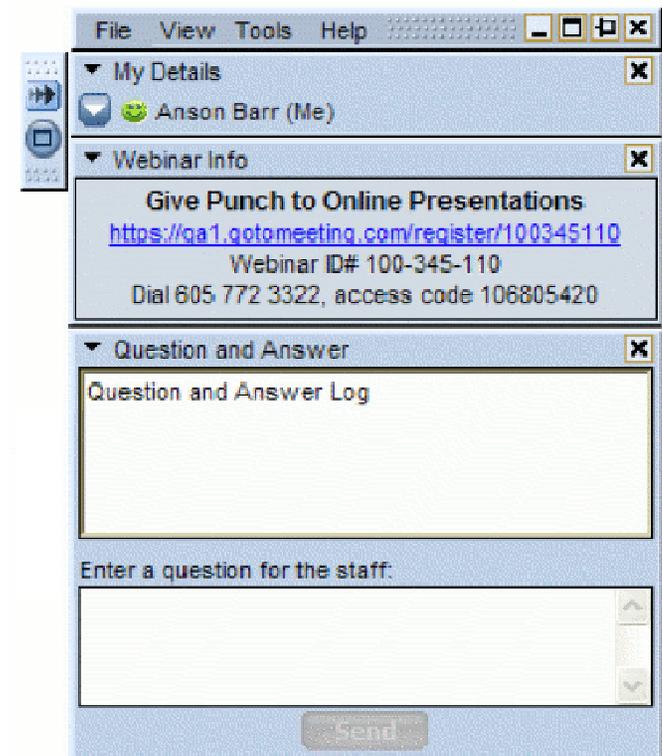
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Housekeeping items

- Phones on mute
- Click on arrow to open or close control panel
- Q&A
 - Submit during conference via GoToWebinar Window
- Slides available at veryant.com/jintegrate08webinar.php

GoToWebinar Window



Today's speakers

- Mike Born
 - Software Development Manager, Donatos
- Alfredo Iglesias
 - VP of Business Development, Veryant
- Edwin Sosa
 - Sr. Solutions Engineer, Veryant

isCOBOL modernization areas

- User Interface
- Business Logic
- Interfacing with External Systems
- Data Access
- Reporting and Printing
- Integrating COBOL into existing or new Java applications including J2EE and Web

Java's appeal

- Portable/Mobile
 - "Write once, run anywhere"
- Vibrant community
 - >2.5B developers
- Open and interactive
 - Internet-oriented
- Componentized



Audience poll

- Moving to Java
- Integrating with Java
- Thinking about Java
- No current Java plans
- We are a .NET shop

How to get there from here?



Potential COBOL to Java migration/integration paths

- Replace with a package
- Rewrite
 - <1 in 3 success rate
- Reuse
 - Wrappers/connectors
 - isCOBOL APS

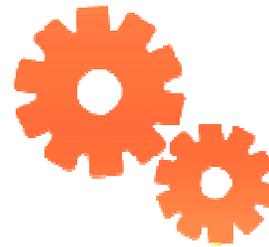


isCOBOL-to-Java process



Develop

Current
COBOL programs
and practices



Compile

COBOL compiled
to pure Java
source; JDK
compiles output



Deploy

100% Java
output (byte
code objects)

Leverages current COBOL programs; outputs pure Java code

Our topics

- Donatos' experiences
- isCOBOL demonstrations
- isCOBOL overview
- Special offer

isCOBOL Customer Experience



Introduction

- Restaurant pizza chain
 - ~200 stores in Midwest and South
- IT environment
- COBOL systems
 - RM/COBOL-based POS system; ISAM data
- Strategic direction to move to Java

isCOBOL appeal



- Updated look and feel
- Off-the-shelf packages did not meet needs
- Bridge between old and new applications
- Flexible and affordable licensing

Project phases

1. Existing application running on isCOBOL
 - Cleanly compiled 400 programs in under a day
2. Created classes to allow Java applications to access ISAM files
 - Now using them to complete new system front end
3. Going forward, will continue rewriting the back office applications in Java
4. Will move from JISAM to relational database

Store rollout



- Legacy product is running under isCOBOL in one location
- The java front end interface to be tested end of June
- Targeting 40-50 location rollout over the summer

Results to date

- No impact on legacy install base
 - Seamless COBOL transition
- Projected to enhance modernization efforts
- Licensing fees reduced >50%
- Excellent pre- and post-sales support



Demonstration #1

Exposing COBOL data to Java

Demonstration # 1

- The COBFILEIO utility
- Two easy steps to gain access from Java to COBOL ISAM files
- Java programmer will access COBOL ISAM files same as any other object

Demonstration #2

Updating user interfaces

Demonstration # 2

- isCOBOL user interfaces use Swing
- JavaBeans™ are reusable, portable components
- isCOBOL programmers can use JavaBeans to enhance the UI
- Example sites
 - www.componentsource.com/features/java-components/index.html
 - www.elegantjbeans.com

Demonstration #3

Call COBOL from Java

Demonstration # 3

- Calling COBOL from Java
- isCOBOL facilitates the Java programmer job to call COBOL
- Using Java to call ...
 - COBOL batch programs
 - COBOL subroutines

Demonstration #4

Consume XML stream

Demonstration # 4

- XML aids in sharing data
- XMLStream class allows for the read and write of XML files or streams

Demonstration #5

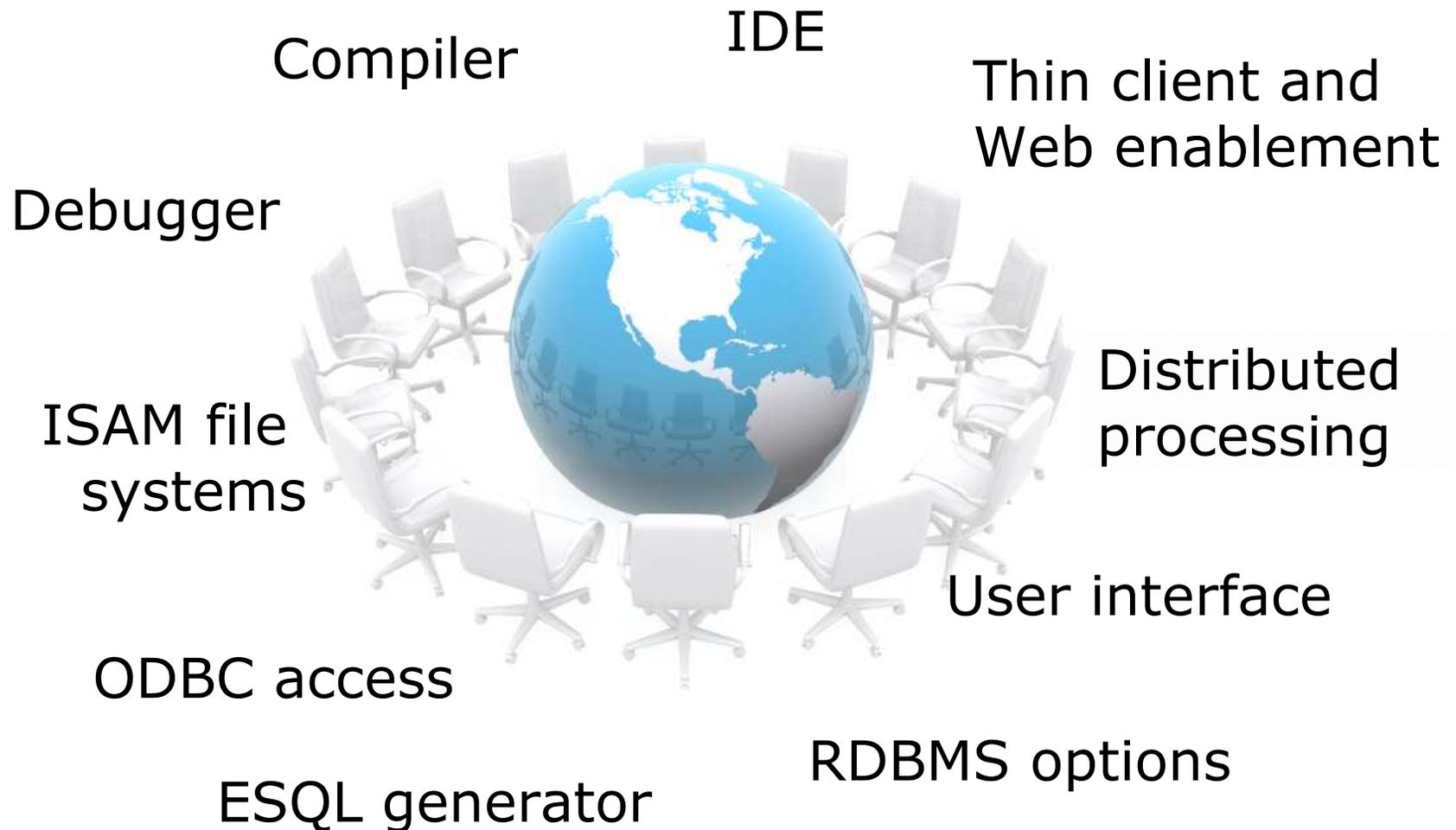
-jj compile option and Javadoc

Demonstration # 5

- -jj compile option
- Use OO programming to fine tune the generated Java source code
- Generate API documentation in HTML format

isCOBOL Overview

isCOBOL Application Platform Suite (isCOBOL APS)



isCOBOL Runtime Environment

- Written entirely in Java
- A single file for simple deployment
 - iscobol.jar, isrun.jar or ispda.jar
 - Same file any platform
 - Built on the Java Runtime Environment (JRE)
 - Implements COBOL verbs, library routines
- True multi-threading
- Includes:
 - isCOBOL Debugger
 - isCOBOL Server (thin client and distributed processing)
 - isCOBOL ISAM Server and isCOBOL JISAM

isCOBOL COBOL-to-Java advantages



- No interoperability layer required between isCOBOL and Java components
- isCOBOL programs use Java classes as if they were written in isCOBOL
- Java programs use isCOBOL classes as if they were written in Java
- Object-oriented COBOL can be used to extend (subclass, derive from) a Java class

COBOL Anniversary offer

- Sign up with Veryant by 9/18 and get up to 3 free development seats (~\$10K value)*
- isCOBOL Development System includes IDE, compiler, and utilities
- Get started at www.veryant.com/cutcosts



**Offer is for new customers only. Support and maintenance not included.*

Thank you for attending!

- Brief survey will following this session
- Address additional information and questions to info@veryant.com
- Stay informed!
 - Visit <http://www.veryant.com/signup.php> to join the Veryant Community



Thank You!

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