Web Enable Your COBOL Assets
isCOBOL APS Webinar

October 2008
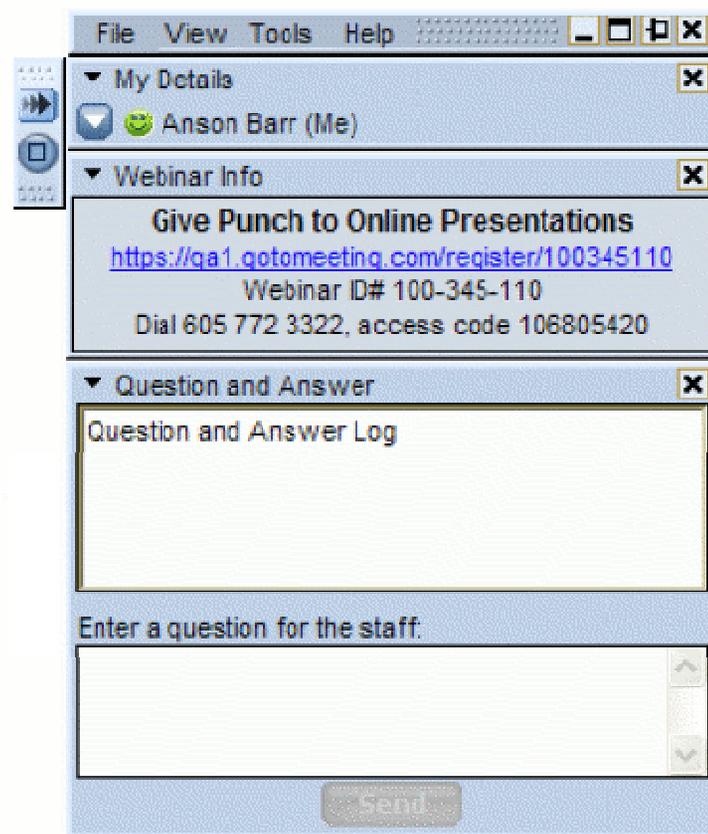
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- Question and Answer

  Question and Answer Log

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Today's speakers

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Alfredo Iglesias
VP of Business
Development

Suzette Cass
Sr. Solutions
Engineer

Our topics

- COBOL and the Web
- isCOBOL Web enablement demonstrations
- isCOBOL overview
- Summary

COBOL and the Web
Predominant Web-enablement options to date

- Remote desktop

- Thin client

- CGI

Wish list

- 100% COBOL language-coded Web applications

- Zero-client, stateful "Web 2.0" delivery

- "Universal" thin client

- Ability to play in the Java sandbox

isCOBOL APS Web enablement options

- Pure Java thin client

- Web launch

- Servlets

- Rich Internet Applications

- Web Services and SOA

Powerful technology blend

COBOL

Descriptive;
self-documenting

Prevalent
(200B LOC)

Optimized for
business
processing

Java

Open, extensible
and portable

Growing
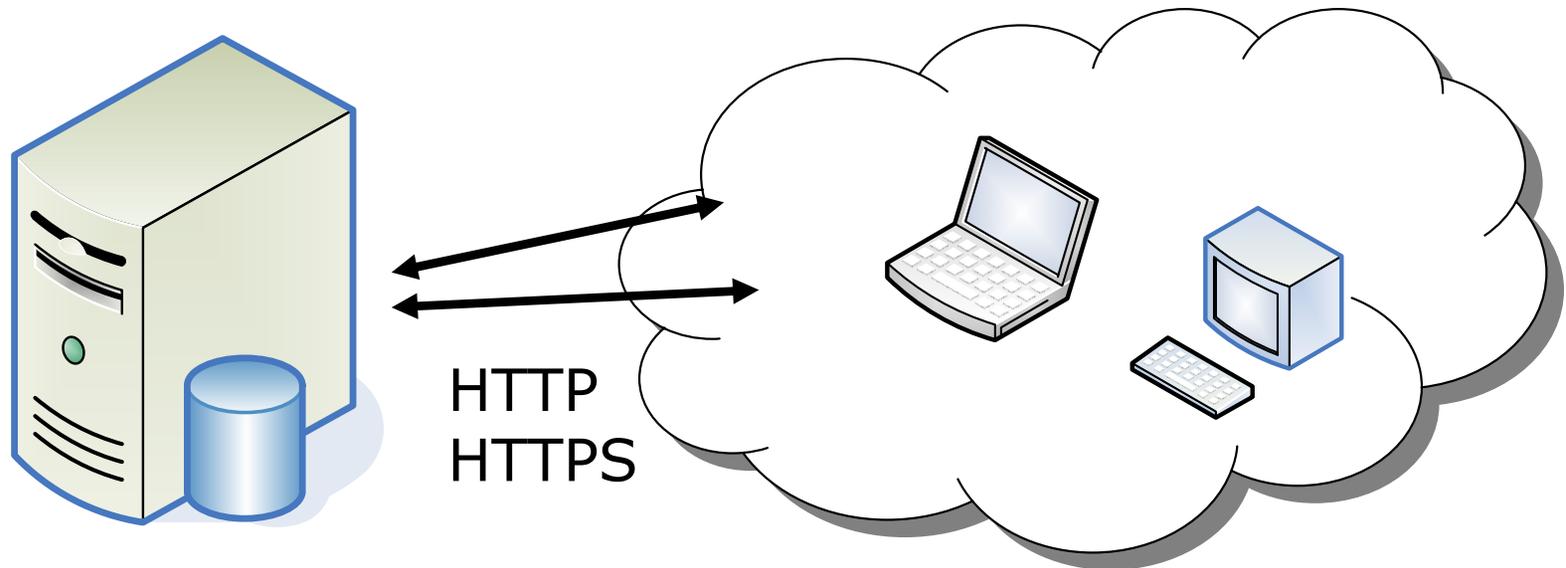community
(6M Developers)

Internet-
optimized

Demonstration #1
Standalone Application

Demonstration #2
isCOBOL Server and Java Web Start

Thin client computing

HTTP
HTTPS

Server

Application Logic
and Data

isCOBOL Server

Clients

Java Runtime
Environment
($\geq$ 1.4.2)

Demonstration #3
COBOL Servlets

Servlets vs. CGI

- Advantages of Servlets over CGI processes
  - Significantly less overhead
  - Inherits processing state between invocations
  - Uses concurrency control in Java to share state at server
- Servlets compared to CGI programs
  - Remain in memory; reused when called
  - Run faster when loaded; multithreaded
- Servlets can
  - Open a database connection when initially loaded
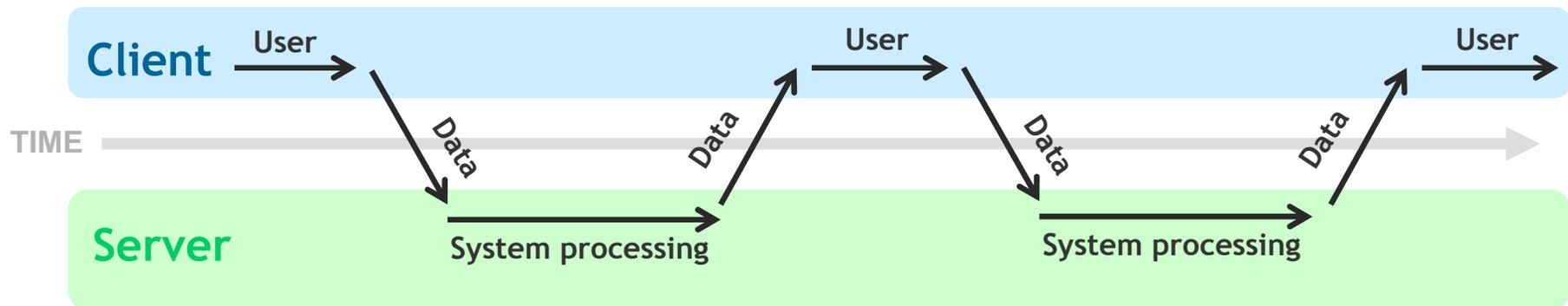 - Share open DB connection with successive invocations

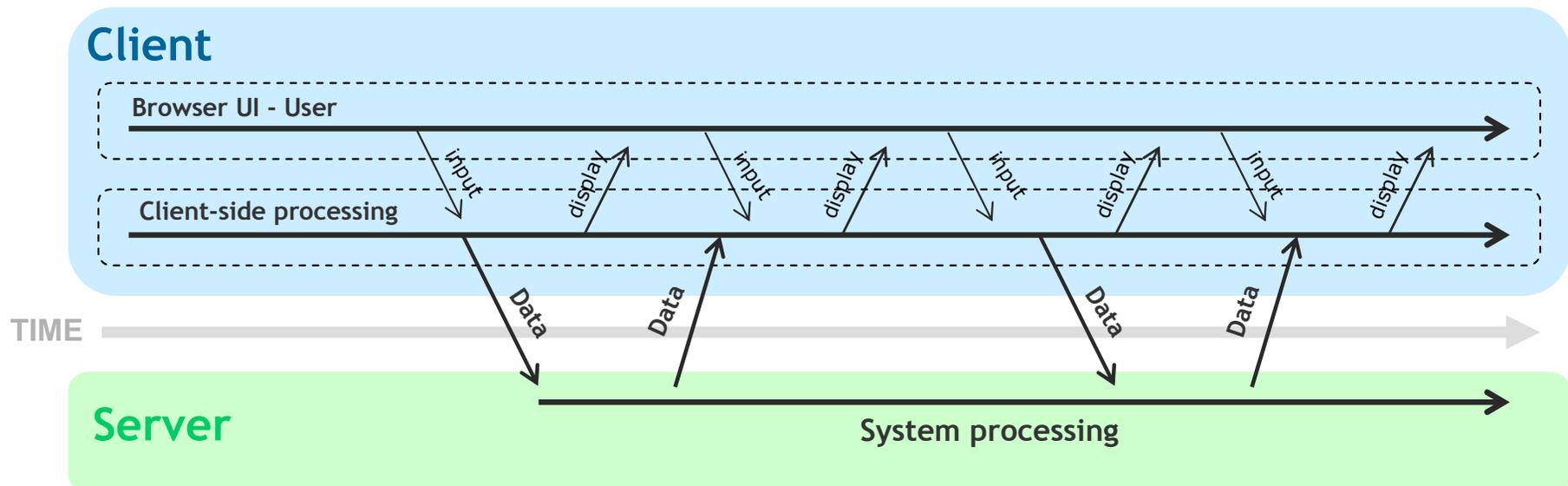# Demonstration #4
isCOBOL Web Direct

COBOL Servlets vs. isCOBOL Web Direct

Traditional Web Application

Client — User — Data — System processing — TIME

isCOBOL Web Direct

Client — Browser UI - User — Client-side processing — input — display — Data — TIME

Server — System processing

SOA and Web services
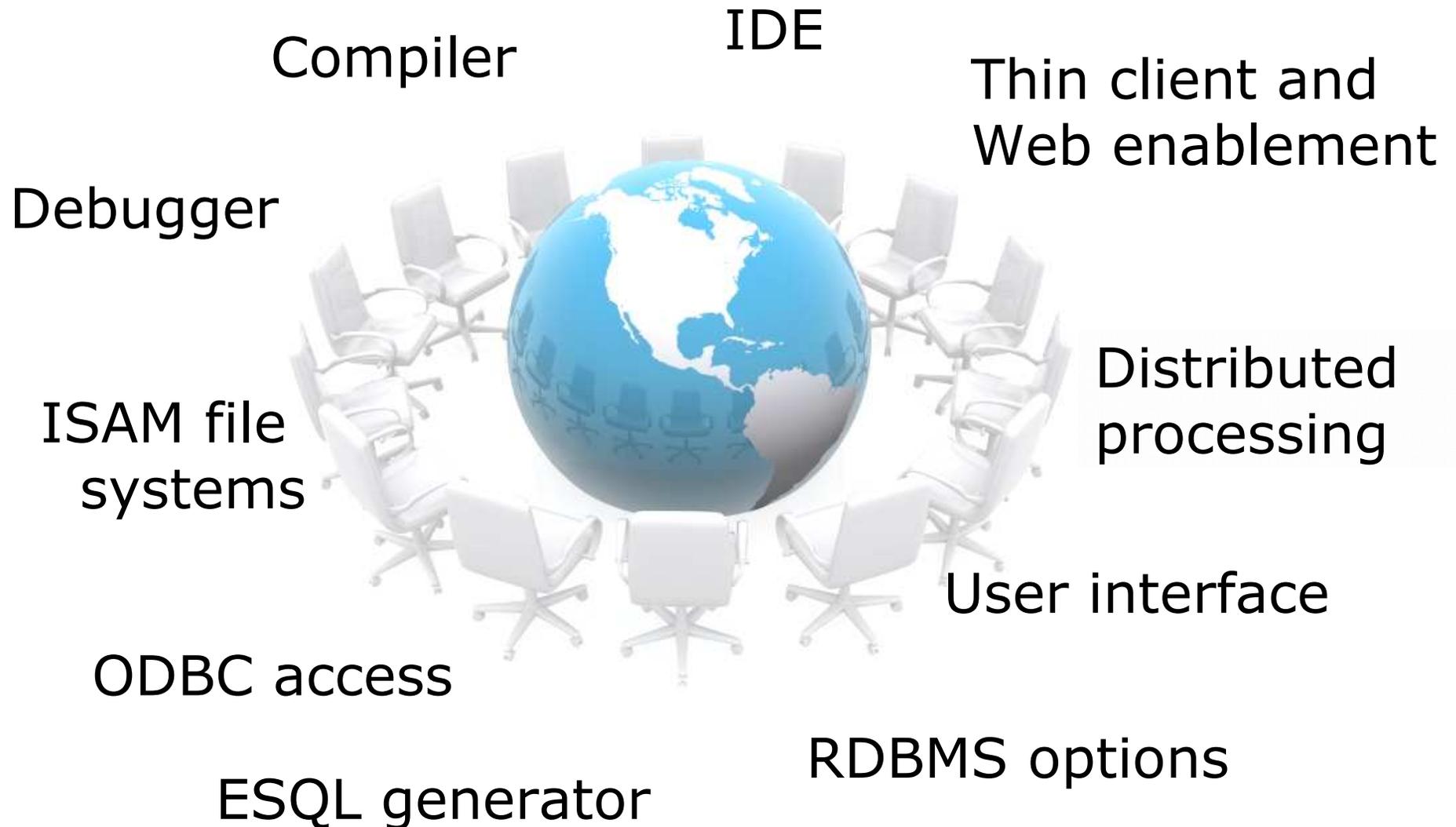## The isCOBOL Compiler produces true Java classes

- 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

isCOBOL Web enablement review

	Thin Client/ JWS	Servlets	Web Direct
Required skills	COBOL	COBOL, HTML	COBOL
COBOL code impact	None	Minimal to None	User Interface
Time to market	Fast	Medium	Medium
"Coolness" factor	Medium	High	Highest

isCOBOL Overview

isCOBOL Application Platform Suite (isCOBOL APS)

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Compiler

IDE

Thin client and Web enablement

Debugger

ISAM file systems

Distributed processing

ODBC access

User interface

ESQL generator

RDBMS options

Why isCOBOL APS?

- Enhances choice and flexibility; lowers total cost of ownership

- Simplifies development and deployment
  - No impact to current development expertise
  - 'Buy once, compile anywhere'

- Provides clear path forward for business-critical applications, SOA, etc.
  - Blends best of COBOL and Java technology

- Compelling ISV Program and packaging

- Backed by dedicated, responsive team

Next steps?

isCOBOL Quick Fit
Assessment

www.veryant.com/quickfit

Get started with isCOBOL APS

www.veryant.com/products/getstarted.php

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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