IBM®

Architectures and Tools for Developing and Modernizing CICS and COBOL Applications

Our complimentary full-day seminar will show you how to develop and integrate composite applications across CICS and WebSphere – leveraging existing COBOL processes

8:30AM

Introduction to Service Oriented Architecture and common issues

SOA is an application framework that takes everyday business applications and breaks them down into individual business functions and processes, called services. An SOA lets you build, deploy and integrate these services independent of applications and the computing platforms on which they run. While services can give you the business flexibility to grow faster, lower total cost of ownership, and give you better access to timely and accurate information – they also add complexity. In addition to an overview of SOA, this session will discuss some common issues that IT faces when implementing an SOA, including development, testing and deployment, and analysis of this complex environment.

9:30AM

SOA drill-down: Architectural details of modern applications

Web services is a fast-developing capability that's proving to be highly popular with IBM customers who are developing modern applications. Companies are using the user interface and session management features of

WebSphere® Application Server, while integrating with CICS®, the highest quality-of-service business server on the market. And often, they're accomplishing this integration via Web services. This session will describe system and application considerations when using Web services and integrating business processing – using new visual and session management delivered via the modern Java™ Server Faces infrastructure. This session will also compare and contrast Web service terms with more familiar CICS terms.

10:45AM

Overview and live demo of WebSphere Developer for zSeries

A live demo of WebSphere Developer for zSeries® will be used to create for deployment a simple, understandable, visual and business application process.

You'll see how to build and deploy composite CICS and WebSphere applications using the IBM WebSphere Studio tooling and the Enterprise Compilers. Composite applications are assembled from independent component parts, using Web and Web services standards.

1:00PM

Overview of enterprise transformation and application modernization

Companies have been running their businesses successfully over the past 20 to 30 years on powerful, reliable mainframe applications. Now it's time to modernize these applications to enable businesses to respond to market and regulatory pressures, and IBM can help with several important tools to improve application flexibility. The three tools discussed in this session are Host Access Transformation Services (HATS) for rapidly creating modern interfaces to traditional applications; WebSphere Studio Asset Analyzer for enterprise application documentation and analysis; and, Asset Transformation Workbench for project-level deep analysis, business rule management and application restructuring.

1:30PM

Overview and live demo of WebSphere Studio Asset Analyzer (WSAA)

This introduction to WebSphere Studio Asset Analyzer (WSAA) includes a walk-through of the functionality of WSAA, how WSAA works and how you can use WSAA to understand your current CICS applications and quickly find areas that can make COBOL applications more accessible and user-friendly. In this session, we'll create a Web screen from an existing terminal-based CICS application using WSAA to find the screen and the components.

1:50PM

Overview and live demo of Host Access Transformation Services (HATS)

In this introduction to HATS, you'll learn the art of simply and rapidly creating a modern browser-based interface for an already existing CICS COBOL application. In a demonstration of WSAA to HATS, we'll show you the steps required to create a modern browser interface from an existing terminal-based CICS application. Then we'll use HATS to deploy and run the interface using WebSphere Application Server.

2:30PM

Overview and live demo of Asset Transformation Workbench

Once we have a high-level understanding of current CICS and COBOL applications, it's time to do a deep-dive into these applications to automatically create documentation, rapidly restructure the application to more easily flow within an SOA architecture, and extract business logic and business rules. We'll move information about our current COBOL program from WSAA to the Application Transformation Workbench (ATW). Then we'll use ATW to extract the business logic and create a COBOL subroutine. You'll see how ATW can give you greater understanding of your current COBOL environment.

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