Accelerated Value Impact 2011 Sessions

Program: Technology Program
Track: Accelerated Value Program

Deep Dive Hands-on Labs and Workshop Presentations

2928: WebSphere JVM Flight Simulator

In this lab you will use IBM tools to monitor and diagnose JVM issues experienced by an 'in flight' running WebSphere Application Server. A badly implemented web application will be used to simulate common problems such as memory leaks, unexpected garbage collection cycles triggered by System.gc() and large HTTP session sizes.
The workshop will provide an overview of the potential causes of out of memory errors and describe the implications of a poorly tuned Java garbage collector or heap size. It will also describe the data needed to debug these issues and introduce the Java problem determination tools available as part of the IBM Support Assistant (ISA).
The lab will walk the participant through the monitoring and analysis of simulated WebSphere production issues using the IBM Health Center and Memory Analyzer tools.

2929: Jython Deep Dive for WebSphere Application Server (150 minute)

This workshop and lab will provide an introduction to the skills and tools necessary for you to get started with wsadmin Jython scripting. The instructor will cover the fundamental concepts of wsadmin, Jython basics and some of the tools that you will use in the lab. The lab will walk you through using wsadmin from the command line, invoking new script libraries available for WebSphere Application Server V7.0, enabling command assistance from the WebSphere Application Server Admin Console and finally writing/debugging wsadmin Jython scripts within the Rational Application Developer.

2930: How WebSphere MQ SupportPacs can help you with administering your WebSphere MQ environment

Learn how WebSphere MQ SupportPacs can help with the administration and monitoring of your WebSphere MQ environment. This session will give an overview of the different categories of SupportPac and how you can make use of them in your organization. You will be able to test out selected SupportPacs designed to assist with the Administration and Monitoring of WebSphere MQ to assess their suitability for your environment.

2931: Migrating WebSphere MQ V6.0 to V7.0 - Recommendations and Focus Areas

This workshop will discuss current recommendations and details on focus areas to be aware of when migrating from WebSphere MQ V6.0 to WebSphere MQ V7.0. This session will provide recommendations and pitfalls based on customer experiences, with particular emphasis on JMS migration issues, including WebSphere Application Server considerations, as well as discussions on other migration topics that have proven to be particularly challenging.

2932: IBM WebSphere Process Server V7.0 Problem Determination

In this lab you will be able to deploy, monitor, troubleshoot and resubmit a failed event for an SCA application using tools like Log viewer, Business Space, and Failed Event Manager. You will be able to load a log file onto the Server Logs viewer in WebSphere Integration Developer in order to analyze error messages, utilize cross-component trace to follow the call sequences between SCA applications and also edit a failed event for resubmission.

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2933: IBM WebSphere Process Server V7.0 Performance and Tuning (150 minute)
In this session you will learn the advanced skills needed to tune the runtime performance of IBM WebSphere Process Server V7.0. At the end of this lab you will be able to (a) create new thread pools (b) Configure module-level activation specifications to use a user-defined thread pool (c) Configure Java Messaging Service (JMS) to use a user-defined thread pool and (d) explain the impact of asynchronous communication on performance.

2934: Troubleshooting DataPower Integration issues with WebSphere Transformation Extender Maps
Learn how to troubleshoot issues arising when running WebSphere Transformation Extender maps in the WebSphere DataPower runtime environment. This session will provide hands-on materials to help you diagnose, troubleshoot and correct problems arising in several common use cases where WebSphere Transformation Extender maps are running under the WebSphere DataPower runtime.

Roundtable Discussions with Product Subject Matter Experts (SMEs)

2935: Roundtable: WebSphere Application Server
Informally discuss WebSphere Application Server, the emerging standards that are going to drive the product forward and what this roadmap means for your particular business and IT environments. Discuss issues around topics including migration, security and performance with our panel of experts. Planned expert panel: Andrew Spyker, Dana Duffield, Jim Knutson and Michael Cheng.

2936: Roundtable: Service Oriented Architecture and Business Process Management
Find out how to effectively leverage SOA and BPM in your business and what others have done with these technologies to implement business and IT solutions. Planned expert panel: Peter Bahrs, Kyle Brown, Greg Harley and Jeff Brent.

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Registration not required

- Program: *n/a*
- Track: *n/a*

Avoiding the third most common WebSphere project malpractice
Including training as a key success enabler in your project plan

Training is an important component to a successful WebSphere deployment. Underscoring this fact, is the annual analysis of WebSphere support cases. For four years running this study shows lack of training as the third most common cause of deployment issues. IBM WebSphere Education provides various e-learning training options that eliminate travel costs and time away from projects to help your team's projects stay on budget and on time . This session will provide you an overview, comparison and demonstration of our instructor-led online and self-paced virtual courses, as well as, discuss the various current and new curriculums available for developing skills across WebSphere, BPM, CICS, SOA and application development.