

SAVEN TECHNOLOGIES INC.

Flexing up Java with BlazeDS (4 days of intense hands-on training for developing advanced Adobe Flex Application)

Objective: Participants of this training program will learn the following:

- Fundamentals of integrating Flex and Java
- The role of BlazeDS is combining Flex and Java
- Basics of BlazeDS architecture and design
- Installation, setup and configuration of BlazeDS
- Details of each of the features of BlazeDS and how they can be leveraged in applications that combine Flex and Java, including but not restricted to –
 - ✓ Proxing calls to remote destinations
 - ✓ Facilitating remote procedure calls between Flex and Java
 - ✓ Pushing data up from Java to the Flex client
- Methods of extending BlazeDS – the available API and the recommended programming paradigms
- Using existing open source software with BlazeDS

Methodology: Hands-on and detailed

Pre-requisites: Participants who have a basic knowledge of Flex and understand Java web development will benefit the most from this course.

Outline:

Day 1:

Fundamentals of integrating Flex and Java

- Simple HTTP call based data interchange
- REST and SOAP Style Web Services
- JSON message exchange
- Remote Procedure Calls
- Data push

BlazeDS Essentials

- It's a web application
- Its endpoints, channels, destinations and adapters

Fundamentals of BlazeDS architecture and design

- The front controller – Message broker Servlet
- Configuration files
- Extension and integration points

Installation, setup and configuration of BlazeDS

- Deploying the web application
- Including in enterprise applications
- Configuration options
- Clustered deployments

A simple BlazeDS application – walking through an example application
(A complete but simple example that leverages some of the most important services provided by BlazeDS)

Day 2:

Details of the BlazeDS proxy service

- Accessing data resources that don't specify security definitions for direct access
- Accessing web services and service endpoints via the proxy

Hands-on exhaustive exploration of the remoting features of BlazeDS

- Essentials of remoting and interchange between Flex and Java
- Supported Data types and translation semantics
- Remoting custom class structures
- Including objects from managed namespaces – example EJBs and Spring Beans
- Advanced Configurations

Day 3:

BlazeDS and data push

- Essentials of messaging
- Messaging domains (point-to-point and publish-subscribe) and its applicability in Flex
- Topics, subtopics and filters
- The JMS adapter
- Transaction and reliability considerations
- Pushing data as XML, text or objects

Real-time rich web applications with BlazeDS

- AMF polling and the long polling mechanism
- Comet style connections
- Connection scalability
- Data frequency reliability and scalability

Day 4:

Extending BlazeDS – API and the programming paradigms

- Understanding the Java API
- Examples of writing custom adapters and custom factories
- BlazeDS Internals
- Session Recap

Contact: SHASHANK TIWARI, SAVEN TECHNOLOGIES INC., WWW.SAVENTECH.COM
E MAIL: STIWARI@SAVENTECH.COM, PHONE: 847-993-2001, FAX: 847-993-2016