



IBM Software Group

2006 B2B Customer Conference

B2B – Catch the Next Wave

Common Event Handling Java API

WebSphere. software

A horizontal decorative banner with a purple background, featuring a series of colorful squares (yellow, green, red) and various abstract icons (a starburst, a globe, a face, a cross, a globe, a grid of circles).

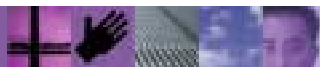
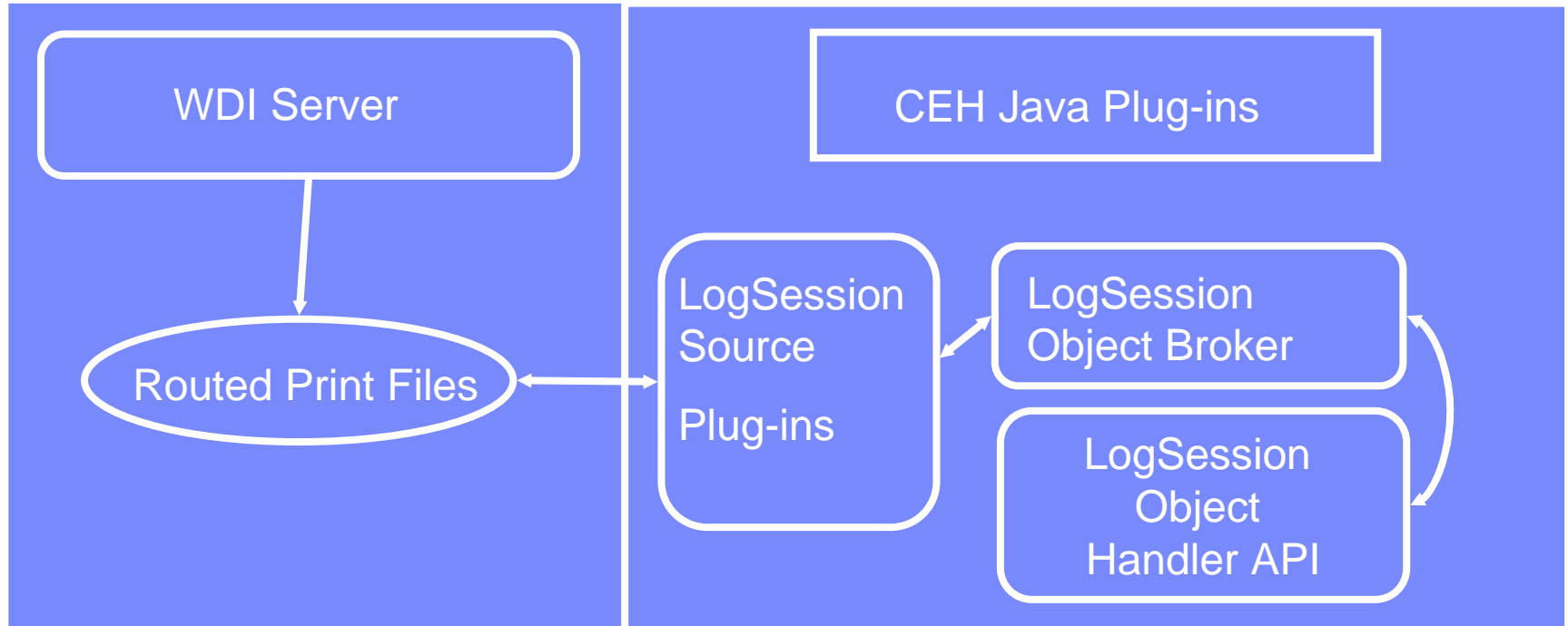
ON DEMAND BUSINESS™

Agenda

- Introduction to CEH Java API and Plug-ins
- Structure
- LogSession Sources
- LogSession
- Log Handler API
- E-mail Log Handler Plug-in Sample
- Summary
- Questions? Answers!



WDI Server to Common Event Handler Plug-ins



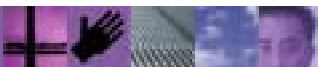
WDI Log Session Source Connector

- Inputs accepted from a variety of Sources
 - WebSphere Message Queues
 - Hierarchical File Systems – AIX, Windows, USS
 - DataSets
 - Temporary Storage Queues
 - Transient Data Queues



WDI Log Structure

- **Optional Preamble**
 - Associated Destination Properties
- **WDI LogSession API**
 - Document Identifiers
 - Message Information
 - Raw Print File



WDI Log Structure - Preamble

```
<?xml version="1.0" ?>  
<DestHeader>  
  <DestProfile>DESTID1</DestProfile>  
  <DestProperty>  
    <PropertyName>toAddress</PropertyName>  
    <PropertyValue>conep@us.ibm.com</PropertyValue>  
  </DestProperty>  
  <DestProperty>  
    <PropertyName>wdiFile2SessionFilePath</PropertyName>  
    <PropertyValue>C:/wdiserver33/samples/logs</PropertyValue>  
  </DestProperty>  
</DestHeader>
```



WDI Log Structure – Document Information

- <DocInfo>
- <DocId>20060816135154668250</DocId>
- <Direction>Input</Direction>
- <Syntax>xml</Syntax>
- <Dictionary>GS1V2.0.2</Dictionary>
- <Sndtpnick>WRESNDR879</Sndtpnick>
- <Sndid></Sndid>
- <Sndqual></Sndqual>
- <Rcvtpnick></Rcvtpnick>
- <Rcvid></Rcvid>
- <Rcvqual></Rcvqual>
- <Document></Document>
- <Intctlnum></Intctlnum>
- <Grpctlnum></Grpctlnum>
- <Trxctlnum></Trxctlnum>
- </DocInfo>

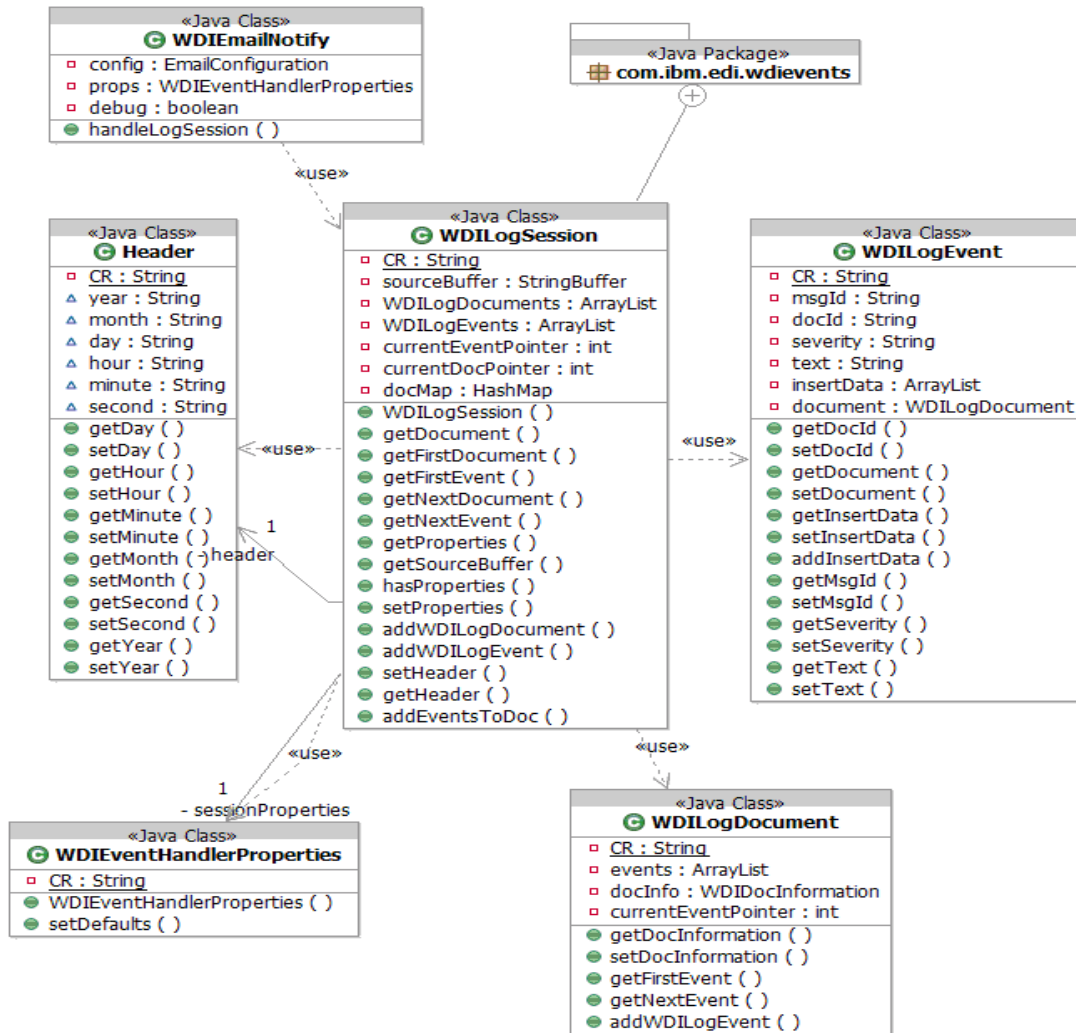


WDI Log Structure – Event Messages

- `<Message>`
- `<MsgId>UT0008</MsgId>`
- `<DocId>20060816135154668250</DocId>`
- `<Severity>00</Severity>`
- `<Text>Map name being processed: POXML5SR-EDI.
</Text>`
- `<InsertData>POXML5SR-EDI</InsertData>`
- `</Message>`
- `<Message>`



WDI Log Session API



WDI E-mail Plug-in

- Implements WDI Log Event Handler Interface
- Source Code Provided
- Can send customizable e-mail with log attached or location of log for remote problem determination
- Uses JavaMail API for delivery to any SMTP compliant e-mail service provider.



WDI E-mail Plug-in

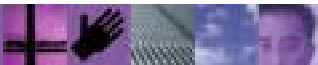
- SMTP and e-mail properties are configured with
 - Resource file
 - Associated Destination Properties from the Log Session Preamble.
- If the notification e-mail could not be sent
 - Retry a configured number of intervals.
 - A set a return code informing the Log Session Broker to roll back the LogSession or move it to another location for later retry.



WDI Java Common Event and E-mail Plug-ins

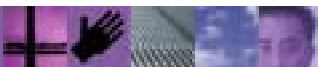
Environments Supported

- Windows
- AIX
- z/OS Batch
- z/OS UNIX System Services
- CICS



WDI Event and E-mail Plug-ins

- Java Requirements
 - IBM Java 2 Technology Edition v1.4
 - Sun JavaMail v1.4



Summary

- Event Logs can be read from a variety of sources
- Print Files can be routed to different destinations
- XML formatted Print Files are parsed into detail objects that custom applications can process.
- Sample Code for an Event Handler that provides e-mail notification.



WDI Common Event Plug-ins

Questions?

Answers!

