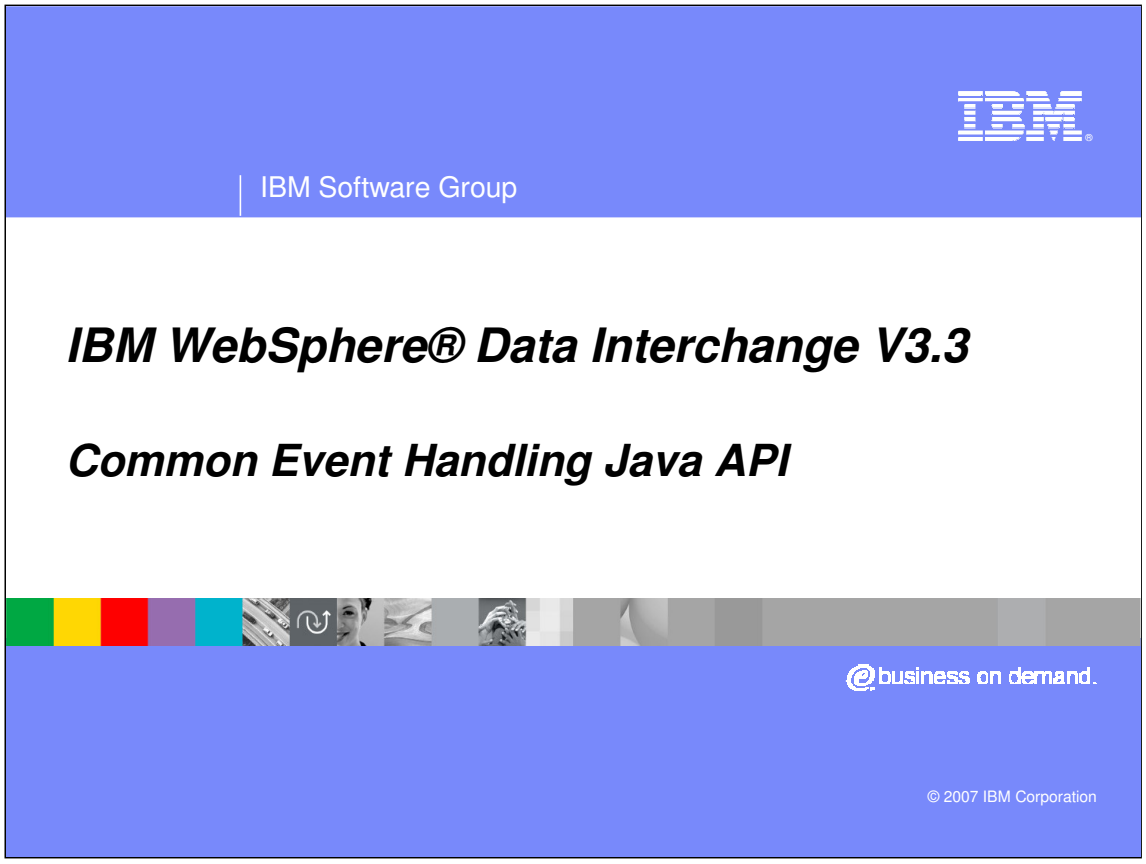
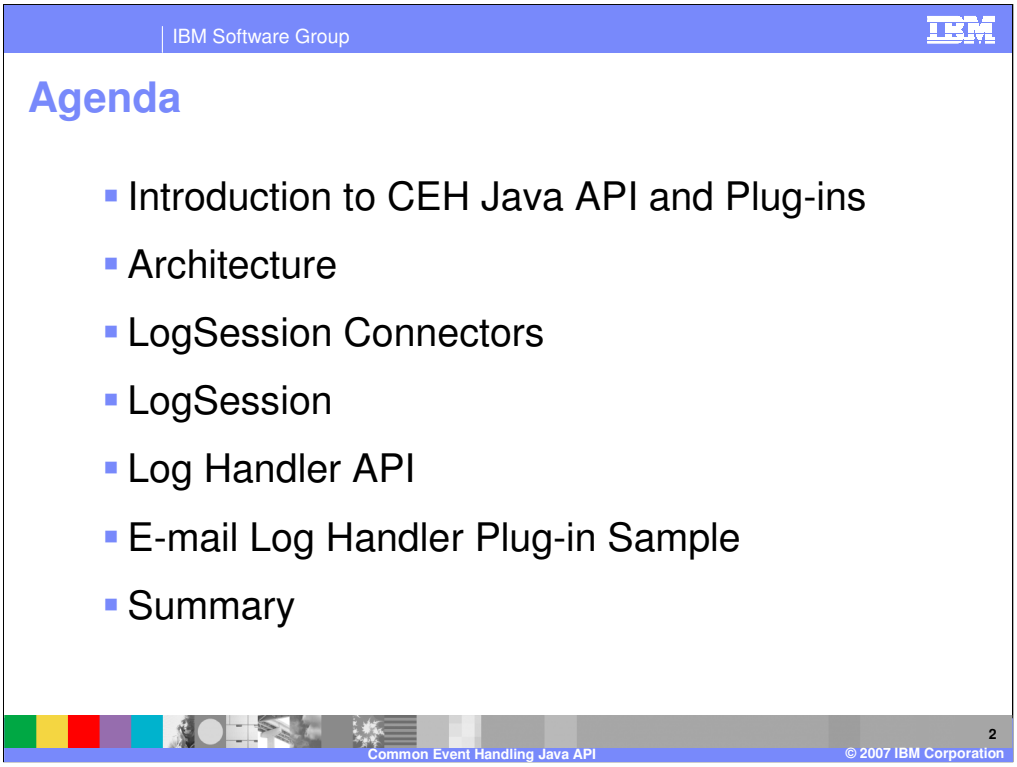
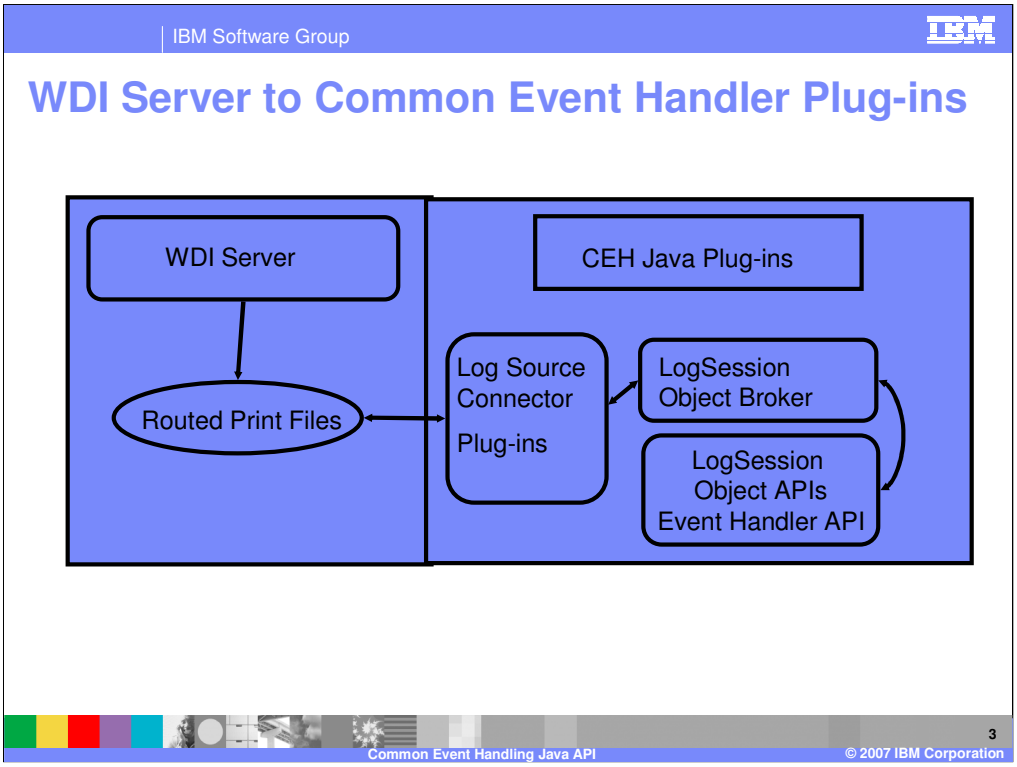


This presentation will describe the Common Event Handling JAVA API and E-Mail Alert.

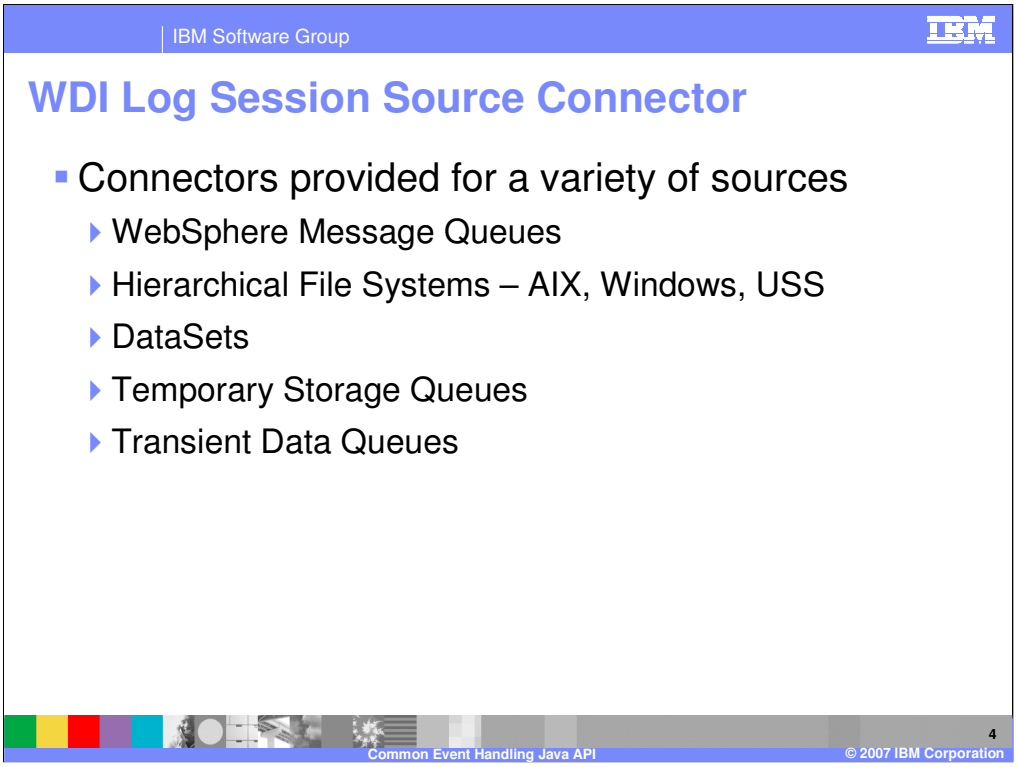


First an overview of the Common Event Handling system and its relation to the Java API is discussed. Then the Architecture of the Java API. We will discuss each of the components of the Java API. The e-mail notification sample program that uses the Java API is discussed. Finally the whole system is summarized.

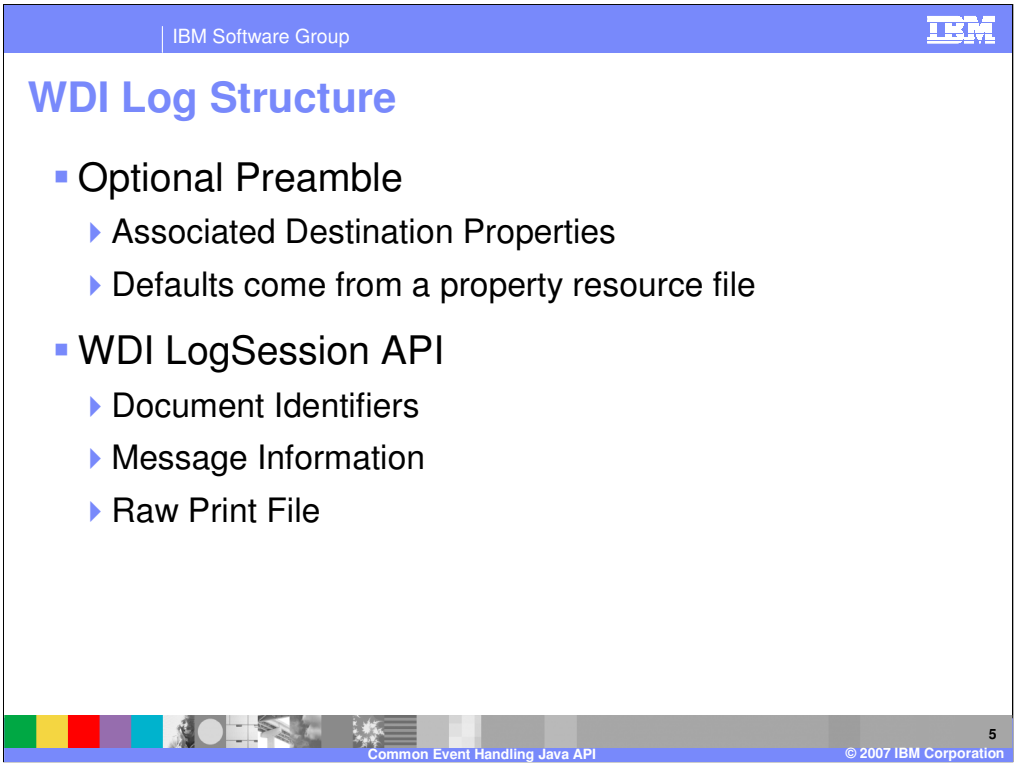


The WDI Server can format and route the print files. The formats can be plain text, XML, and Application Data Format. The routing destinations can be Files, DataSets, MQ Series Queues, CICS Temporary Storage Queues, CICS Transient Data Queues.

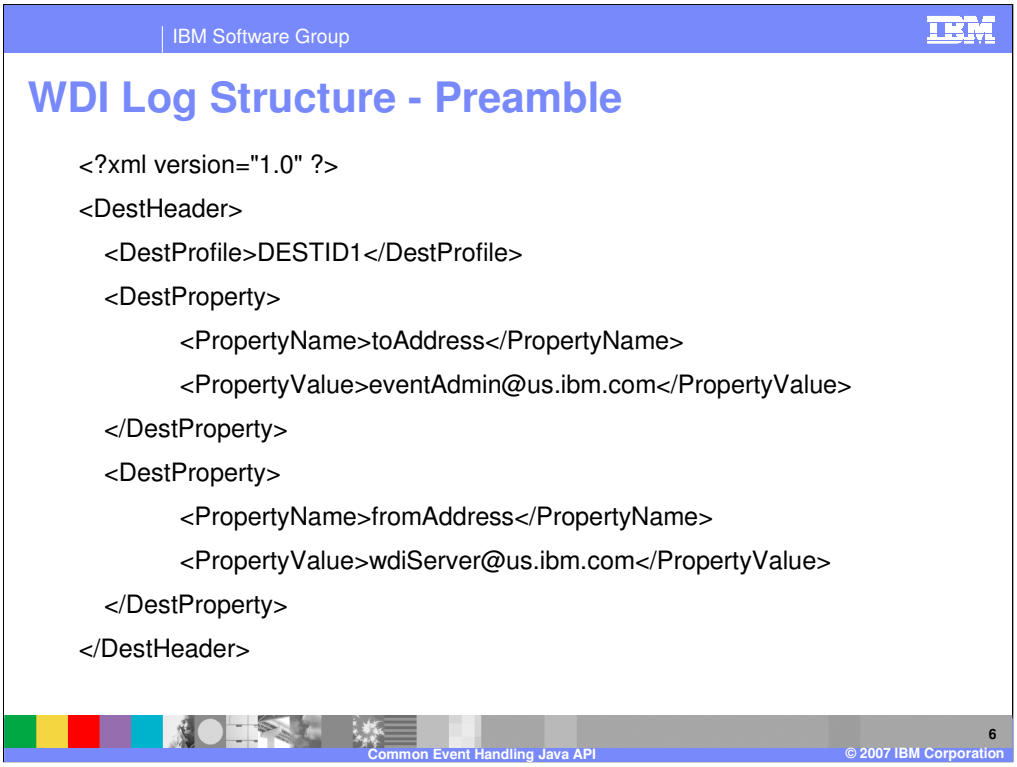
For each of these destination types a Java Log Source Connector exists. The LogSession Object Broker uses the Log Source Connectors to read the Print Files from their destination sources. After the print file log is read it is parsed and passed to the Event Handler. The Event Handler API is a java Interface class for development of custom handlers. E-Mail Notification is provided as a sample Event Handler implementation.



For every Print File destination type there is a Java API connector to read from those destinations. Each connector type is a java class. To configure the Java API the name of the connector class must be provided. WebSphere Message Queue connections are supported on every platform. Regular text print files are supported on Windows, AIX, and in z/OS Unix System Services. A DataSet connector is provided for z/OS Batch. TSQ and TDQ connectors are provided for the CICS environment.

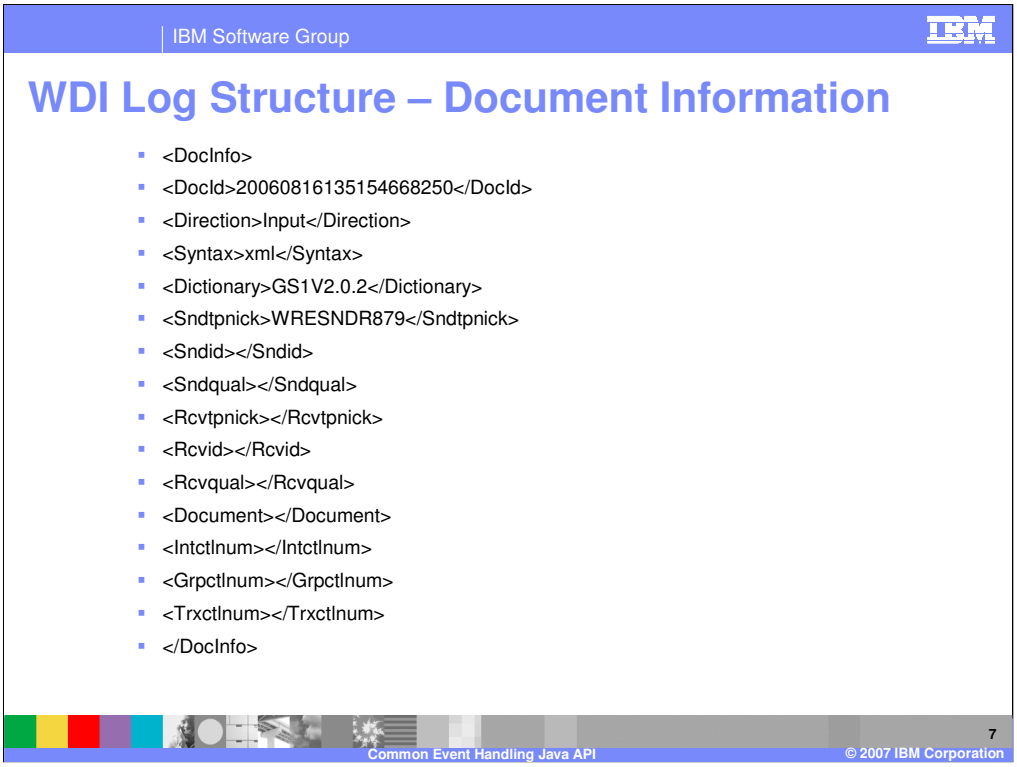


The Log Structure can be a plain Print File or an XML formatted print file. An optional XML header provides the Destination Profile properties.

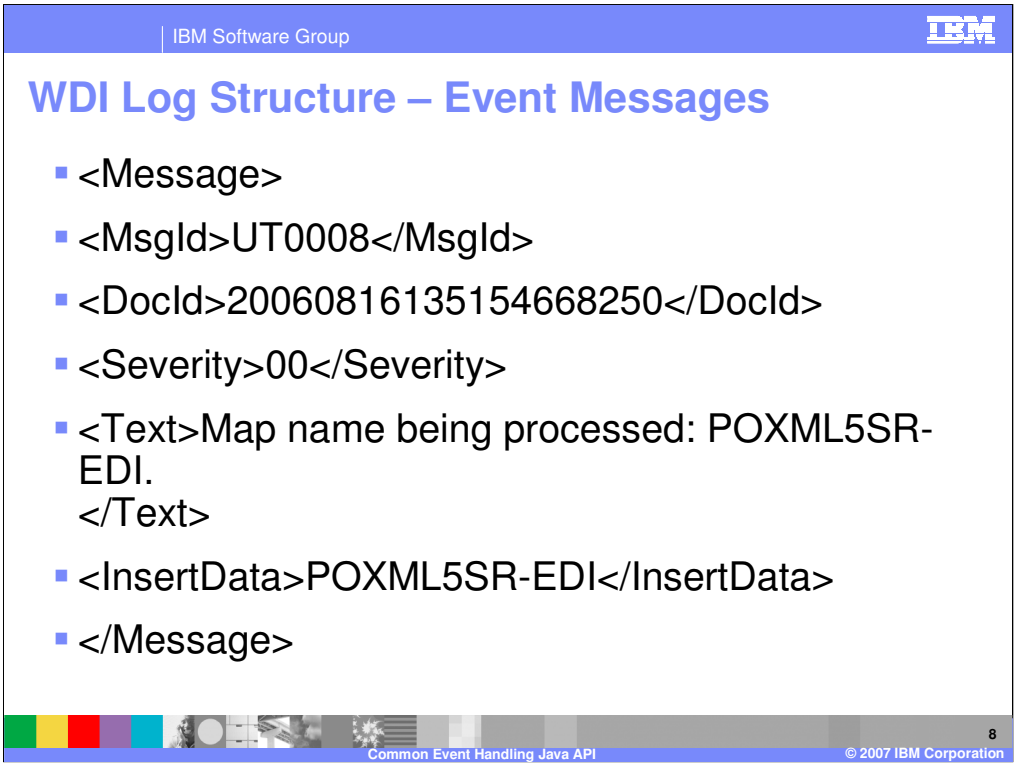


The Preamble is an optional Header specified in the Event Destination Profile. The Preamble properties override those configured in the wdi.properties file.

The only properties that cannot be overridden are the connector properties. These properties are also passed to the Event Handler. Custom property names and values are supported to provide user defined Destination Profile information to the Event Handler at run-time. In this example the toAddress and fromAddress are provided from the Destination Profile and used by the e-mail notification Event Handler implementation.

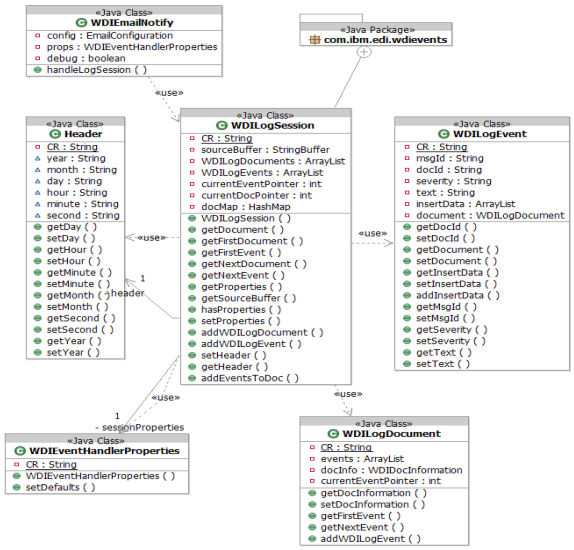


Messages in the Session Log are correlated to the document being processed by Document Id. The document information is provided in the DocInfo segment. The Java API provides message and DocInfo access and collection by DocId.

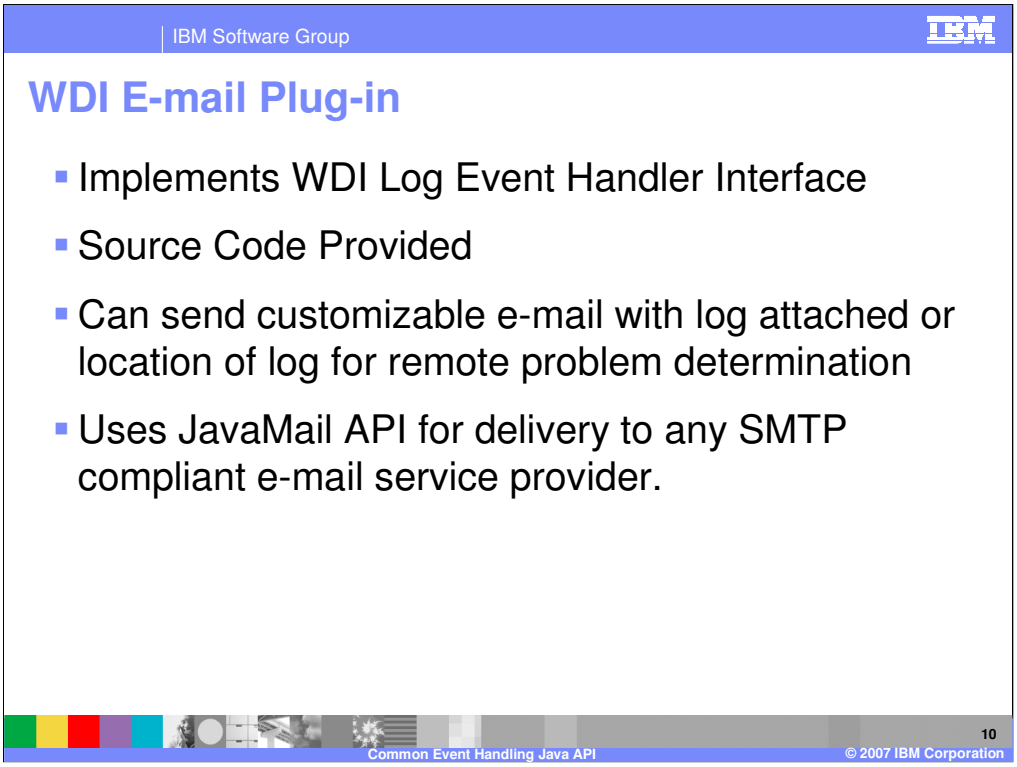


XML formatted print files provide detail message information. The Message Identifier. The DocId can be used to access the Document Information. DocID, Message Severity, Text, and substitution data are each accessible using the Java API.

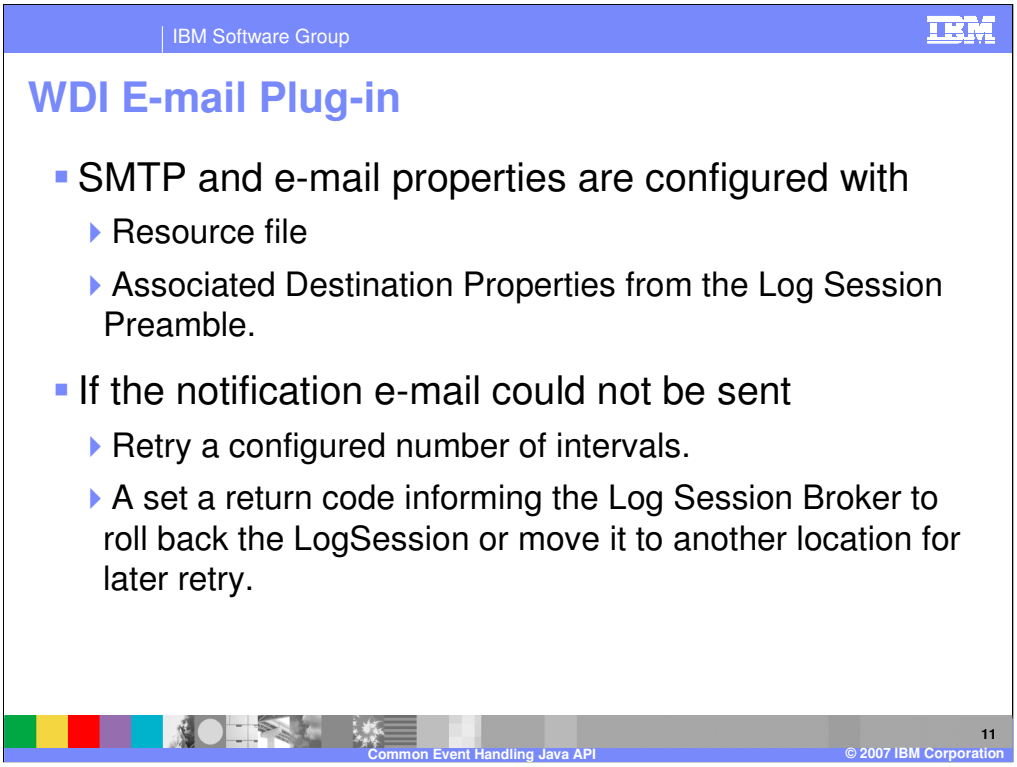
WDI Log Session Java API



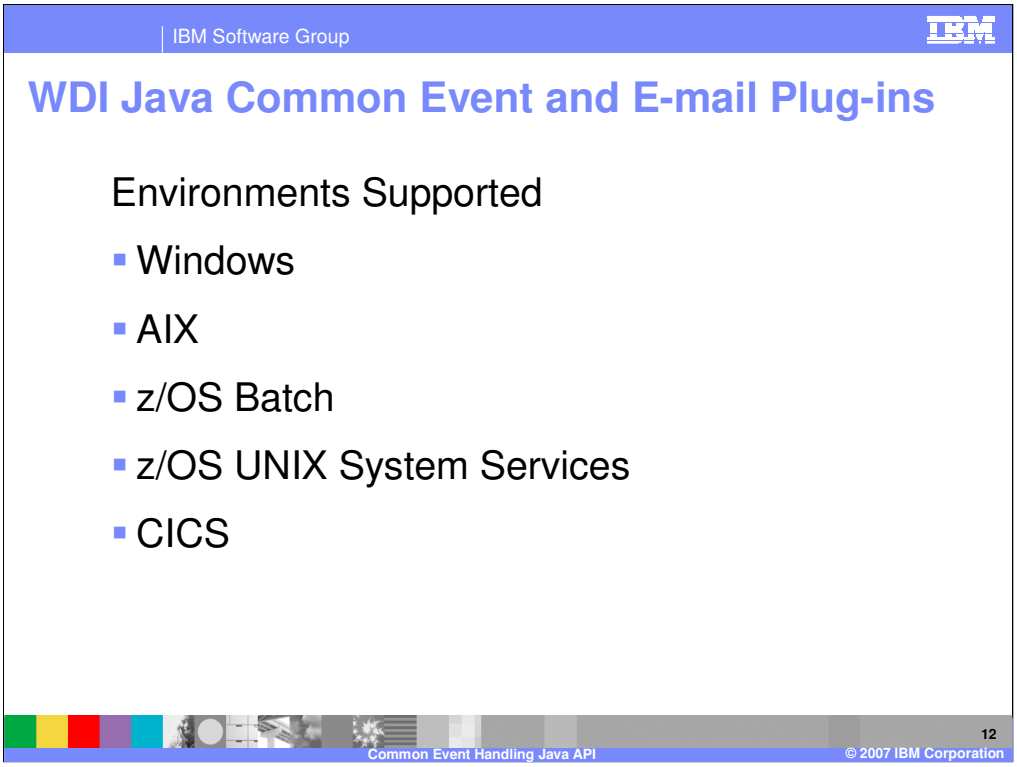
The Common Event Handler Java API provides all the classes necessary for an application developer to process. WDILogSessions, raw print file data, parsed Log Documents and Events.



A sample java program with source code is provided for the customer. This sample illustrates how a Java Event handler Plug-in can be developed to use some of the features of the Java API. The sample E-mail Notification program is functional and can be used as-is.



The E-Mail Plug-in shows how wdi.properties and Event Destination Profile information can be used to configure run-time information. How the Event Handler Interface is used to control the handling of Event Logs.



The Java API end E-mail Notify is supported in several OS environments:

Windows

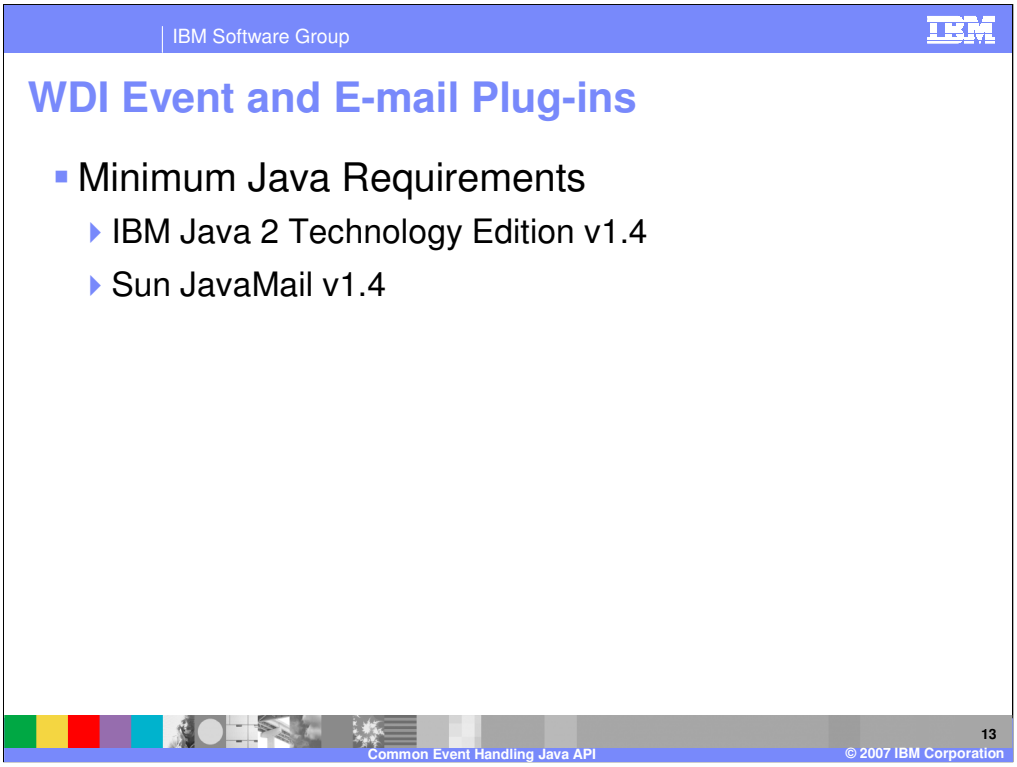
AIX

z/OS Batch

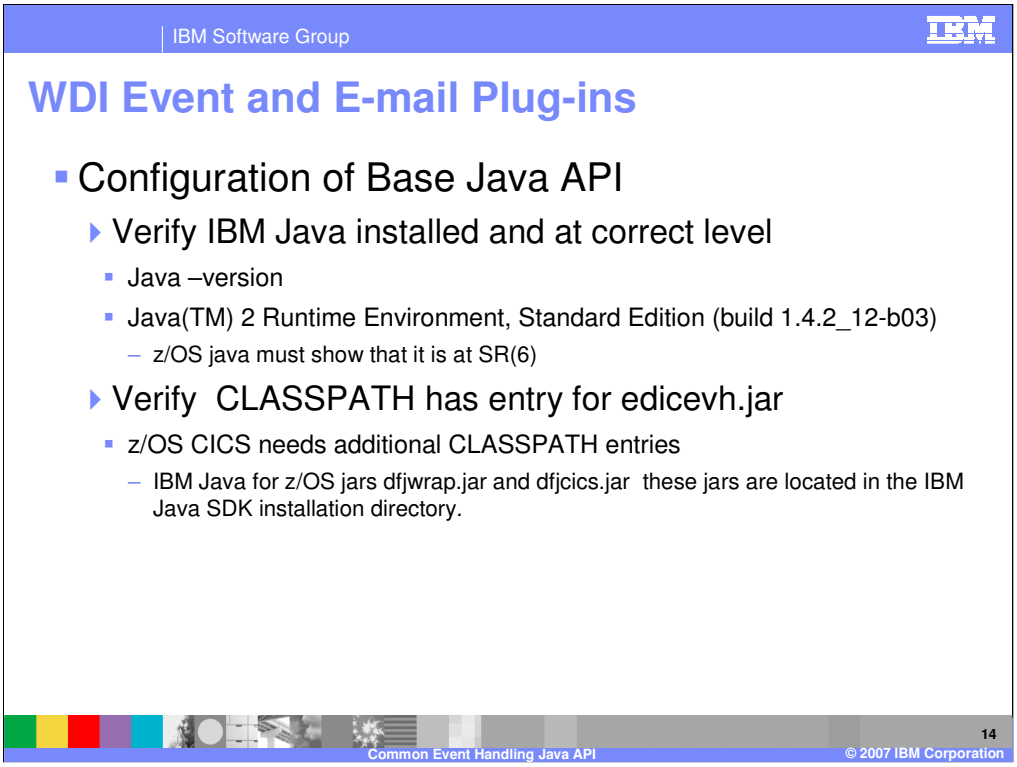
z/OS USS – UNIX System Services

And CICS.

Each environment has pre-reqs and configuration steps that must be done by the system administrator.

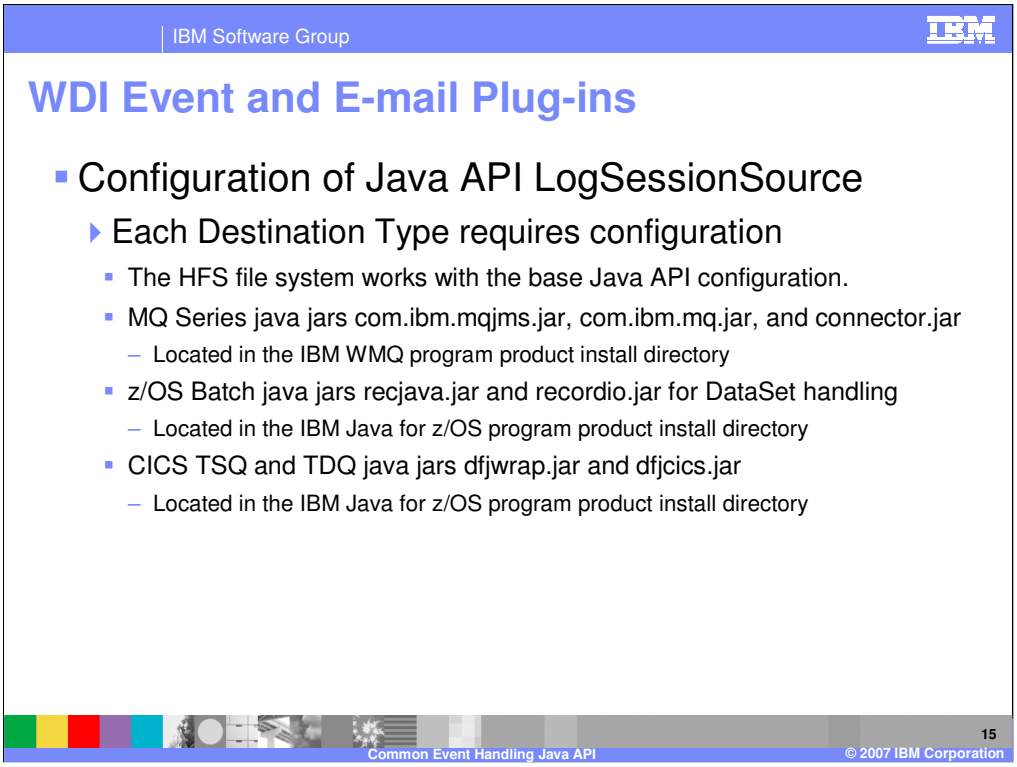


IBM Java 2 Technology Edition v1.4 or higher for all platforms except for z/OS the IBM Java must be Java 1.4.2 at SR(6) or higher.

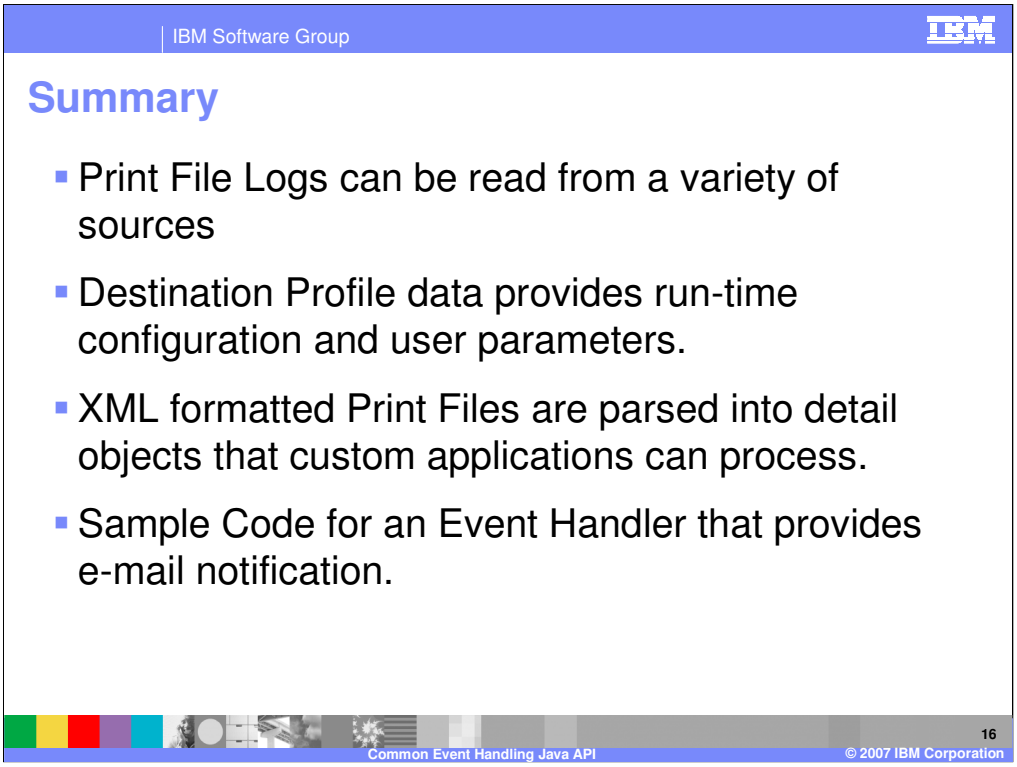


IBM Java 2 Technology Edition v1.4 or higher for all platforms except for z/OS the IBM Java must be Java 1.4.2 at SR(6) or higher.

Details for installation and configuration are in the install guide. The common mistakes are made in setting the CLASSPATH



The Java API LogSessionSource uses java classes provided in other IBM products. For destination type WMQ Queues the supporting jars come installed with WMQ. The destination types for z/OS and CICS the needed java classes are provided with IBM Java for z/OS.



The Print File Logs can be read from a variety of sources. The Destination Profile data provides run-time configuration and user parameters. XML formatted Print Files are parsed into detail objects that custom applications can process. Sample Code is provided for an Event Handler that provides e-mail notification.

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