

WebSphere Data Interchange

Common Event Handling Email Notification Lab Exercise

Pre-requisites

Prior to the Lab session you need the following set up and working

WebSphere Data Interchange V3.3
IBM Java 1.4.2 for Windows

IBM Java can be downloaded from IBM JIM at the following URL

<http://w3.hursley.ibm.com/java/jim/ibmsdks/latest/windowsia32/142servicerelease7/windowsia32cn14220061124sov/index.html>

Choose version 1.4.2 or higher, such as the install shield executable
ibm-java2-jre-142.exe

JavaMail can be downloaded from

<http://w3.hursley.ibm.com/java/jim/j2ee/javamail/index.html>

Non IBM customers can download JavaMail from Sun.

JavaBeans Activation Framework can be downloaded from

<http://w3.hursley.ibm.com/java/jim/j2ee/jaf/index.html>

Non IBM customers can download JAF from Sun.

Install the following javamail and activation framework jars into the samples directory, the default location of the samples directory is C:\Program Files\IBM\WDIServer\V3.3\samples

mail.jar
activation.jar

Verify IBM Java is properly installed by starting a Windows command line and typing

```
java -version
```

you will see a message similar to the one shown below indication Java 1.4.2 or higher is installed:

```
java version "1.4.2"  
Java(TM) 2 Runtime Environment, Standard Edition (build 1.4.2_10-b03)
```

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Lab Instructions

1. Verify everything for this lab exercise is installed correctly.

Using Windows Explorer display the contents of
C:\Program Files\IBM\WDIserver\V3.3\samples

You should see the following jar files

edicevh.jar
edicevhsample.jar
mail.jar
smtp.jar
activation.jar

2. Start the WDI V3.3 Client.

3. Configure the Application Defaults Profile.

Select EDIFFS for editing.

Select to create an XML print file.

Select the Error Handling tab and choose the "Log All Messages" value for XML Print File

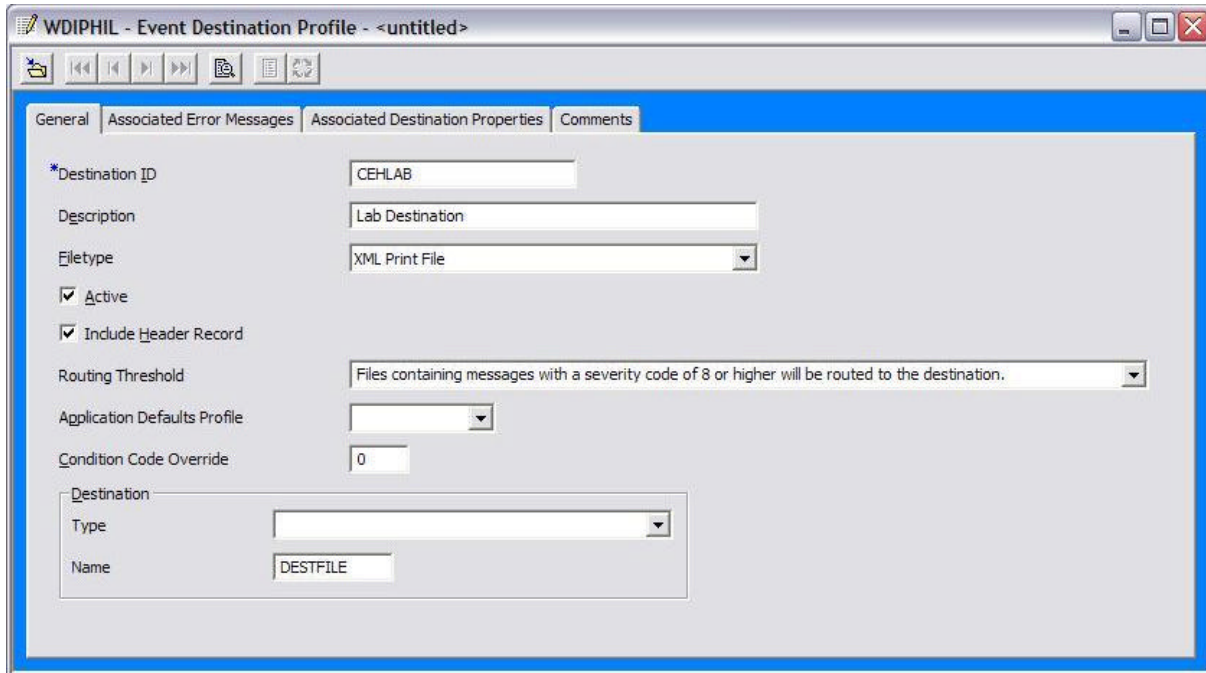
Save then close the Application Defaults window.

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4. Create Event Destination Profile.

Click on the Processing icon to display the Processing Profiles window.
Select the Event Destination Profiles tab to show the list of those profiles.
Click the create New icon to create the new profile.



WDIPHIL - Event Destination Profile - <untitled>

General | Associated Error Messages | Associated Destination Properties | Comments

*Destination ID: CEHLAB

Description: Lab Destination

Filetype: XML Print File

Active

Include Header Record

Routing Threshold: Files containing messages with a severity code of 8 or higher will be routed to the destination.

Application Defaults Profile: [blank]

Condition Code Override: 0

Destination

Type: [blank]

Name: DESTFILE

Fill in the following information as shown above

Destination ID.....: CEHLAB

Description.....: Lab Destination

Check Active

Check Include Header Record

Routing Threshold...: Files containing any messages will be routed to the destination.

Destination Type must be blanked out using the delete key.

Destination Name...: DESTFILE

Then save this profile.

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5. Set the Associated Destination Properties

Click on the Associated Destination Properties tab.

Click the New button to add the smtp server address and your email address.

Add the address of the smtp server that will handle the email
smtpServerAddress=na.relay.ibm.com

Add the "from address"; this can be any valid address for this lab, substitute your own userid
fromAddress=user@us.ibm.com

Add the address of the recipient of the email notification, substitute your own userid
toAddresses=user@us.ibm.com

Save and close this window.

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6. Create the Data Reference for DESTFILE

On the Processing window click the Data References tab.

The screenshot shows a window titled "WDIPHIL - Data Reference Profile - <untitled>". The window has a toolbar with icons for home, back, forward, refresh, and help. Below the toolbar are two tabs: "General" (selected) and "Comments". The "General" tab contains the following fields:

- * File Name: DESTFILE (dropdown)
- Description: CEH Lab XML Session Log (text box)
- Physical File: ..\samples\destfile.xml (text box)
- Service Profile: (empty dropdown)
- Application Defaults Profile: (empty dropdown)
- Maximum Record Length: 0 (text box)
- File Disposition section:
 - Initial: New (dropdown)
 - Exit: Catalog (dropdown)
 - Error: Catalog (dropdown)

Click the New icon to create a new Data Reference Profile

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Fill in the following information as shown above:

File Name....:	DESTFILE
Description...:	CEH Lab XML Session Log
Physical File...:	..\samples\destfile.log

Save this information and close the window.

7. Edit wdi.properties and change for file input

In the samples directory of WDI v3.3 install path locate and open for editing the file named wdi.properties

Locate the lines

```
#  
#wdiSource=com.ibm.edi.wdievents.WDIDirectory2Session  
wdiSource=com.ibm.edi.wdievents.WDIFile2Session  
#wdiSource=com.ibm.edi.wdievents.WDIQueue2Session  
#wdiSource=com.ibm.edi.wdievents.WDIDataSet2Session  
#wdiSource=com.ibm.edi.wdievents.WDITDQ2Session  
#wdiSource=com.ibm.edi.wdievents.WDITSQ2Session
```

and verify the line

```
wdiSource=com.ibm.edi.wdievents.WDIFile2Session
```

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is uncommented. The other wdiSource lines must be commented out with the # character as the first character on the line.

Then locate the lines specifying the properties of the WDIFile2Session source

```
# WDIFile2Session source properties
wdiFile2SessionFilePath=./destfile.log
wdiLogSessionFailureFile=./error_file.log
wdiFileFailureDirectory=.
```

and change the property values to match those specified above.

Next locate the lines specifying the handler plug-in the JavaAPI will use.

```
# Set wdiHandler to the user class that implements
# the WDIEventHandler interface.
# include any additional properties the handler requires
#-----#
wdiHandler=com.ibm.edi.wdievents.email.WDIEmailNotify
#wdiHandler=com.ibm.edi.wdievents.email.DummyEventHandler
```

As shown above, uncomment to WDIEmailNotify line and comment out the DummyEventHandler line. The remaining mandatory properties are overridden by the values you defined in the Event Destination Profile earlier in this lab so you do not need to change anything else here.

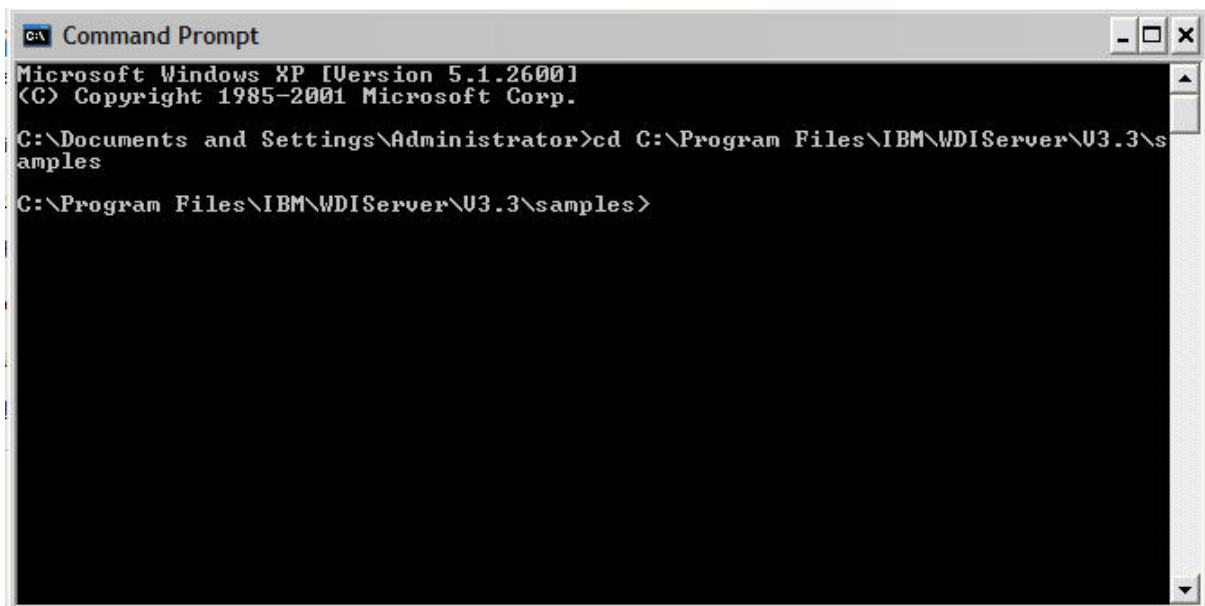
Save the file and close the editor.

8. Start a windows command prompt; change the directory to the WDI samples directory

```
C:\Program Files\IBM\WDIServer\V3.3\samples
```

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```
Command Prompt
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\Administrator>cd C:\Program Files\IBM\WdiServer\U3.3\samples
C:\Program Files\IBM\WdiServer\U3.3\samples>
```

9. Run wditest.bat to execute the sample transformation and the xml print file will be routed according to the CEHLAB event destination profile.

You can then verify the DESTFILE destfile.log was created in the samples directory.

10. Run wdirunceh.bat to execute the CEH JavaAPI and email notification plug-in.

If you get a security alert pop-up then choose to allow the connection to the smtp server..

The wdi.properties is configured for the logging and tracing information to go to STDOUT in the command window in which wdirunceh was run.

11. Check Lotus Notes for your email notification.