

## Table of Contents

Unpacking .....	1
TARGET Workspace.....	1
Overview .....	1
WESB (WID) Business Objects (XSDs) .....	2
WESB (WID) Business Objects Maps .....	2
Post Conversion .....	3
CONVERTn Workspace.....	3
Overview .....	3
The main map conversion flow.....	3
Associate Objects Pattern .....	4
Overview .....	4
WESB Mediation flow (.medflow) parsers .....	5
Overview .....	5
Medflow .CSV file.....	6
Using the WESB BOMap Conversion message flow.....	7
Deploy .....	7
Copy in WESB artefacts .....	7
Start the message flow and review the results .....	7
Using the WESB Mediation Parser message flow.....	8
Deploy .....	8
Copy in WESB artefacts .....	8
Start the message flow and review the results .....	8

## Unpacking

WESBCONVERTn.ZIP contains 2 IIB workspaces

Unzip to c:\

## TARGET Workspace

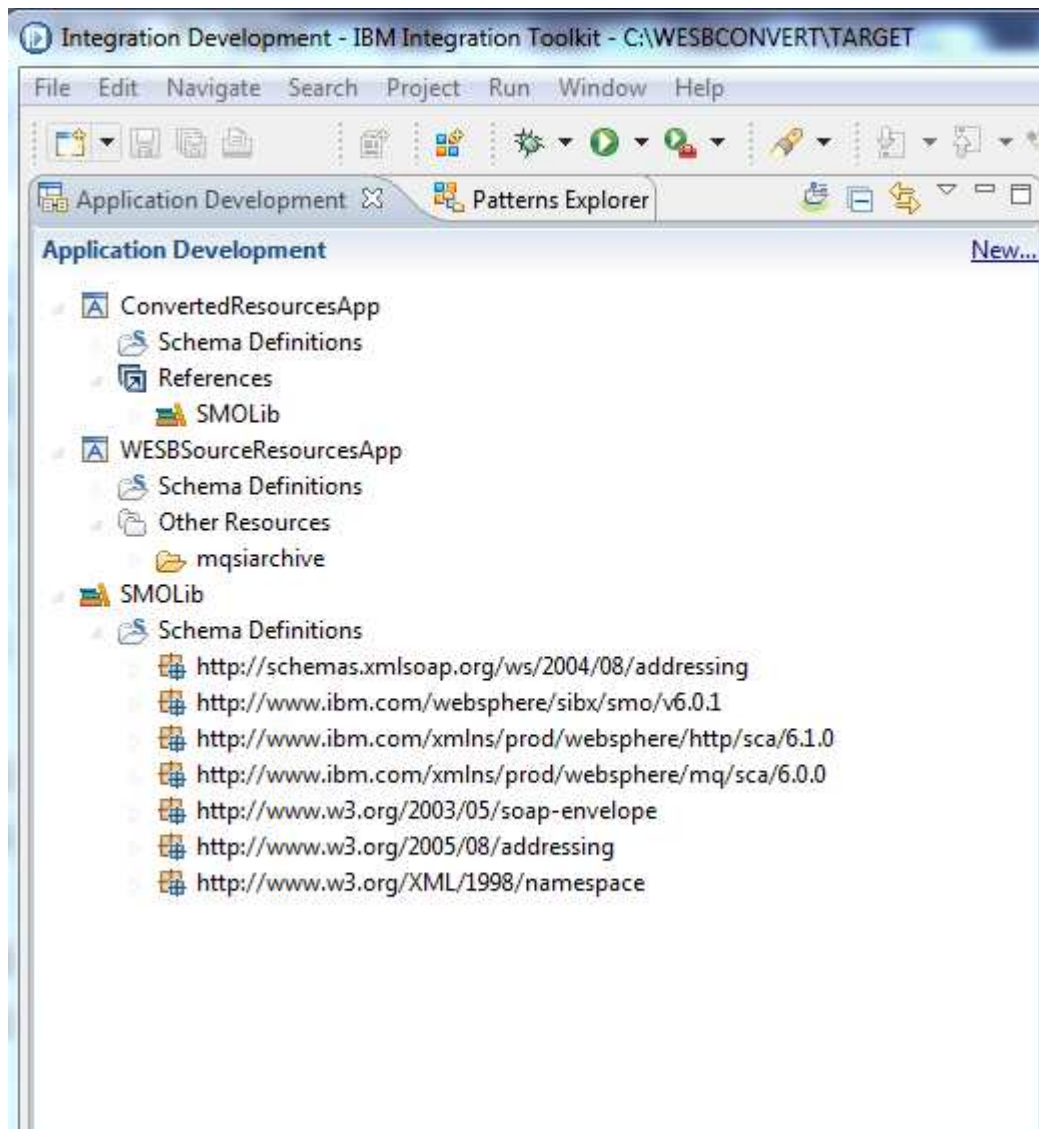
### Overview

TARGET workspace contains two applications and one library

An application placeholder for WESB Resources – pre conversion

An application placeholder for IIB Resources – post conversion

The library holds the WESB ServiceMessageObject schemas and is referenced by the post conversion application



## ***WESB (WID) Business Objects (XSDs)***

XSDs that the BO maps rely upon will need to be either

- copied into the ConvertedResourcesApp
- in a Library references by the App
- or referenced in some way

## ***WESB (WID) Business Objects Maps***

Rename as **.wesbmap**

Place in the mqsiarchive directory of WESBSourceResourcesApp

To convert a map you will copy them from the mqsiarchive directory to its parent directory

## Post Conversion

Refresh the ConvertedResourcesApp  
Expand the Maps  
Expand the Java  
Expand the Other resources

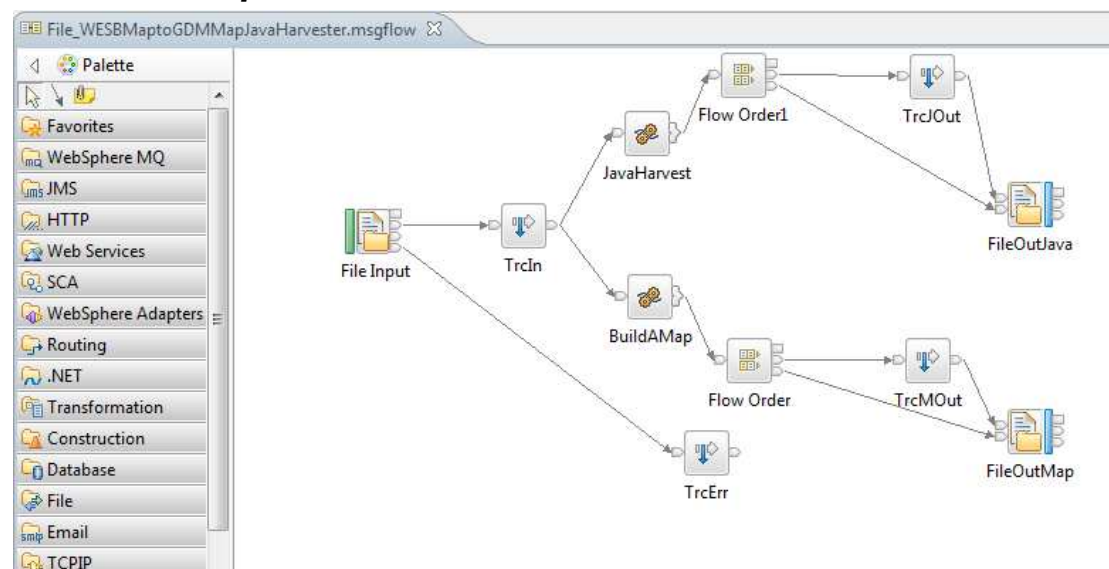
Check the .java, .nojava files and open the .map files.

## CONVERTn Workspace

### Overview

CONVERTn workspace contains the conversion flows.

### The main map conversion flow



It has two branches that really should be combined. There are notes in the ESQl about this.

Branch one parses the wesbmap file and extracts java code to a text file.  
Branch two parses the wesbmap file and builds an IIB Map file based on the info it finds.

The FileInput node reads .wesbmap files from  
C:\WESBCONVERT\TARGET\WESBSourceResourcesApp

It writes the .java, .nojava and .map files to  
C:\WESBCONVERT\TARGET\ConvertedResourcesApp

Note tracenodes write to c:\temp

So .wesbmap files are picked up when you move them from the mqsiarchive directory as described above.

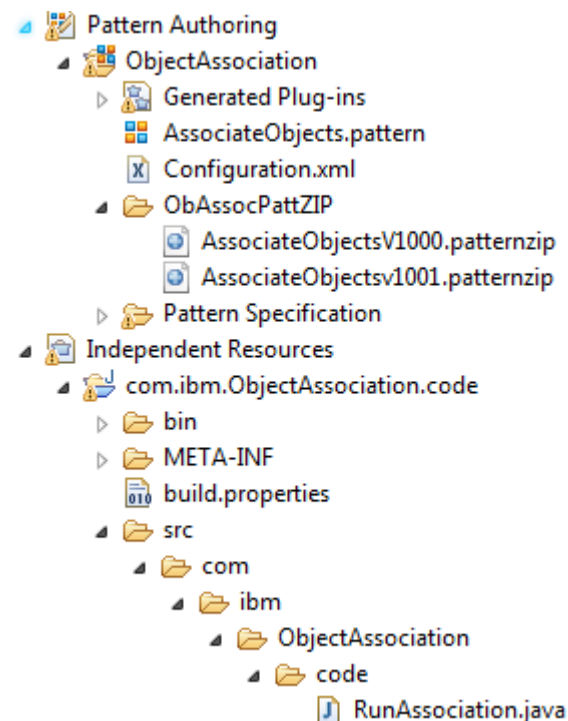
## Associate Objects Pattern

This pattern is for demonstration purposes. It is in support of WESB to IIB conversion

### Overview

Specifically, this pattern demonstrates a technique for associating IIB map files with mapping nodes in message flows. Mediations containing BO Map primitives in WID are converted to IIB message flows by the WESB Conversion Tool.

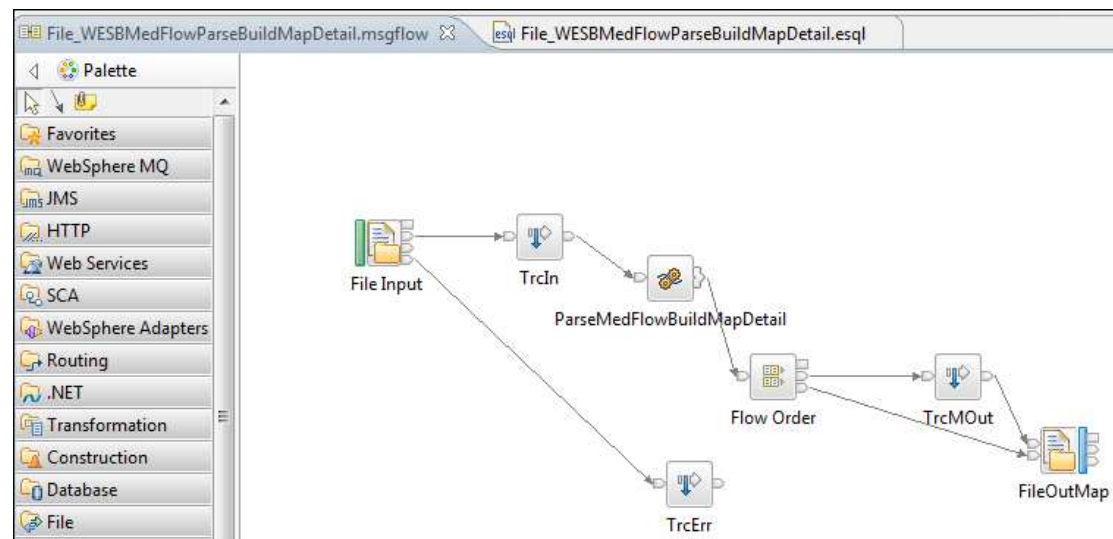
The Tool will create a message flow of the appropriate name and place a IIB mapping node in the flow. At this point it will not configure the properties of the mapping node to resolve to a mapfile. Map file conversion is facilitated through the IIB message flow utilities provided in this workspace. This demo pattern relies on naming conventions to find and associate a mapfile with a node in a flow. This may not be possible. It is likely this pattern will need to be extended to take a configuration file as input to provide a list of relationships



## WESB Mediation flow (.medflow) parsers

This message flow demonstrates how we might “parse” the WESB .medflow to capture information about all/any BO Map primitives that exist in a mediation.

### Overview



In the same way as the other message flows, it operated against WESB files in the TARGET workspace.

File Input Node Properties - File Input	
<b>Basic</b>	
<b>Input Message Parsing</b>	
Parser Options	
Polling	
Retry	
Records and Elements	
Validation	
FTP	
Transactions	
Instances	
<b>Directory properties</b>	
Input directory*	C:\WESBCONVERT\TARGET\WESBSourceResourcesApp
Include local subdirectories	<input type="checkbox"/>
<b>File name properties</b>	
File name or pattern*	*.medflow
File exclusion pattern	
Action on successful processing	Move to Archive Subdirectory (mqsiarchive)
Replace duplicate archive files	<input checked="" type="checkbox"/>

It looks for .medflow files

**File Output Node Properties - FileOutMap**

<b>Description</b>		
<b>Basic</b>	Directory	C:\WESBCONVERT\TARGET\ConvertedResourcesApp
<b>Request</b>	File name or pattern	defaultname.csv
<b>Records and Elements</b>	File action	
<b>Validation</b>	Mode for writing to file	
<b>FTP</b>	<input type="radio"/> Write directly to the output file (append if file exists) <input checked="" type="radio"/> Stage in mqsitransit directory and move to output directory on "Finish file"	
<b>Monitoring</b>	Action if file exists	Replace Existing File

It produces .CSV files

```
--      set up the target directory and file name
C:\WESBCONVERT\TARGET\...
Set OutputLocalEnvironment.Destination.File.Directory =
REPLACE(InputLocalEnvironment.File.Directory, 'WESBSourceResourcesApp'
, 'ConvertedResourcesApp');

Set OutputLocalEnvironment.Destination.File.Name =
REPLACE(InputLocalEnvironment.File.Name, 'medflow', 'csv');
```

## Medflow .CSV file

Microsoft Excel - MF\_BlastblockStatusChangedPublisher.csv

	A	B	C	D	E	F	G	H	I	J
1	MF_BlastblockStatusChangedPublisher.medflow	BOMapper_1	MD_mesBlastBlockMessage_To_BlastblockCMM_PUB	/	MD_mesBlastBlockMessage_To_BlastblockCMM_PUB.map					
2										

Name	Type	Min Occurs	Max Occurs
mapdetail			
sequence		1	1
record		1	unbounded
sequence		1	1
medname	string	1	1
id	string	1	1
name	string	1	1
root	string	1	1
mappingFile	string	1	1

The IIB Pattern for Object association could use this information to do the following:

1. Rename IIB Map nodes in a message flow to their WESB originals
2. associate the IIB Map node with the correct IIB map file.

**Using the WESB BOMap Conversion message flow**

***Deploy***

***Copy in WESB artefacts***

***Start the message flow and review the results***

**Using the WESB Mediation Parser message flow**

***Deploy***

***Copy in WESB artefacts***

***Start the message flow and review the results***