IBM Software Group

WebSphere® Message Broker Toolkit V6.0.2

Toolkit enhancements part 5:
Broker administration

@business on demand.

This is the fifth and final module presenting the enhancements made to WebSphere Message Broker Toolkit V6.0.2.
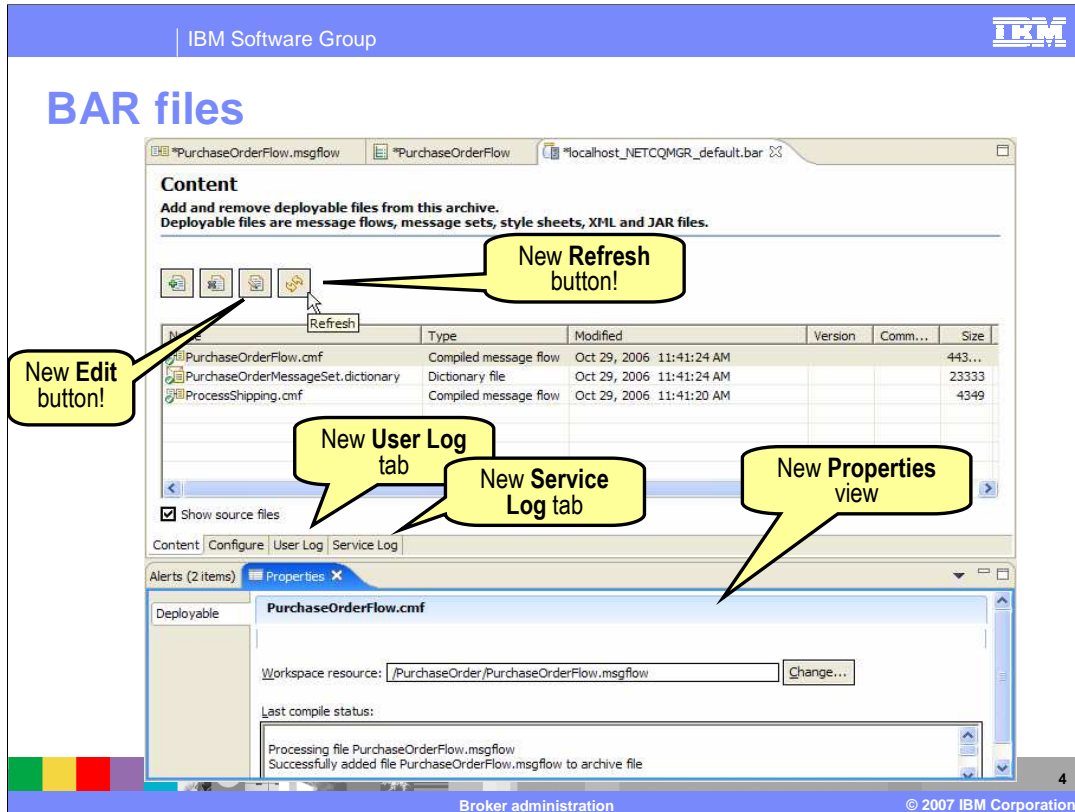
Agenda

- Broker Administration
- Summary

This presentation covers enhancements in the Broker Administration Perspective and a summary of all enhancements.

Section

Broker Administration

Broker administration

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This section discusses the enhancements made in the Broker Administration perspective.

BAR files

In WebSphere Message Broker Toolkit V6.0.2 you can now edit and refresh a BAR file. In addition a User Log and Service Log have been added at the bottom of the BAR file contents pane.

Selecting the edit button allows you to change the name of a resource (message flow or message set highlighted) in the BAR file. A resource name change does not affect the refresh function. Comments may also be added that are displayed in the resource entry, just after the Version column.
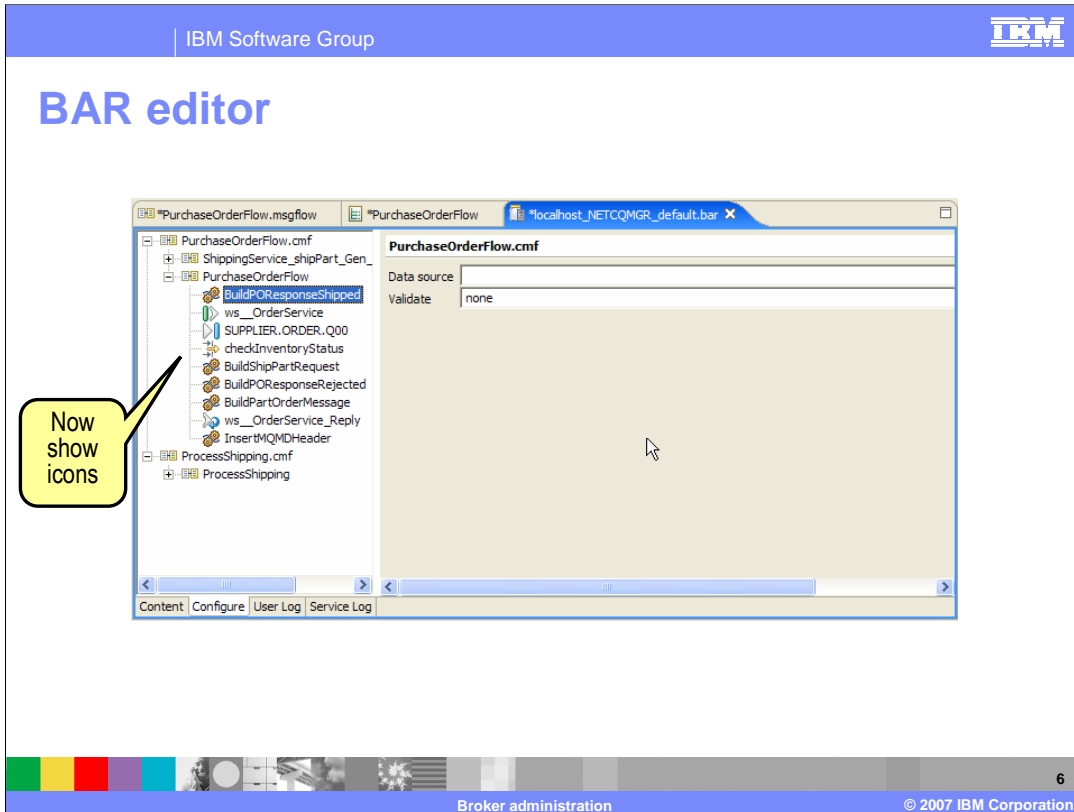
BAR editor

In the configuration tab of the V6.0.2 BAR editor, the icons for the nodes are shown.

BAR editor user log

Broker Archive User Log

View or clear the contents of the broker archive User log.

```
=============================================
!Tue Oct 10 21:45:49 EDT 2006
Processing file "/PurchaseOrderMessageSet/PurchaseOrderMessageSet/messageSet.mset"

BIP0177W This dictionary requires a Version 5 (or later) broker.
This message set has namespace support enabled. Namespaces are not supported by brokers earlier than Version 5.

"Broker will treat Length facet as MaxLength" is true. Length facets will be interpreted as maximum length only. This ensures that string fields which use padding characters will be processed correctly, but does not validate the message according to XML Schema rules. See the documentation for more details.

Processing file "PurchaseOrderMessageSet/com/acmeorders/www/customerinfo/CustomerInfo.mxsd"

Processing file "PurchaseOrderMessageSet/com/acmeorders/www/orderservice/OrderService.mxsd"

Processing file "PurchaseOrderMessageSet/com/acmeorders/www/orderservice/OrderService_InlineSchema1.mxsd"

Processing file "PurchaseOrderMessageSet/com/acmeorders/www/partsinfo/PartsInventory.mxsd"
```

Content | Configure | User Log | Service Log

This screen capture shows the Broker Archive User Log.
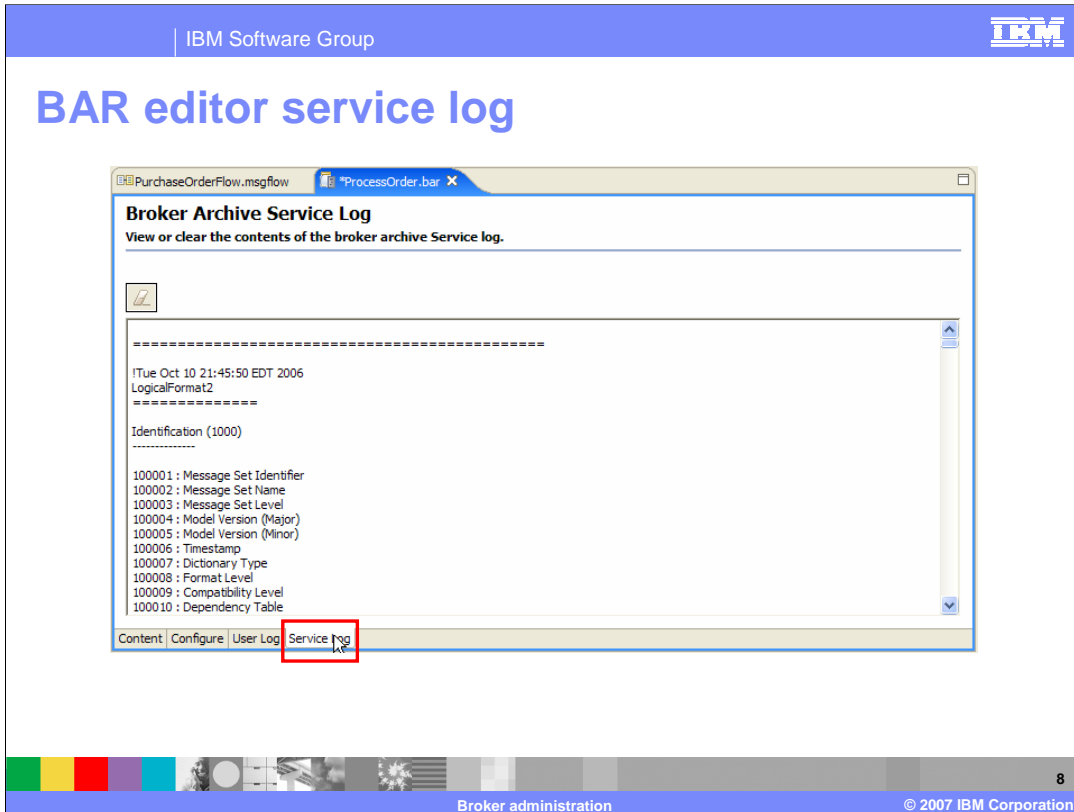
Here is a screen capture of the Broker Archive Service Log.

BAR refresh
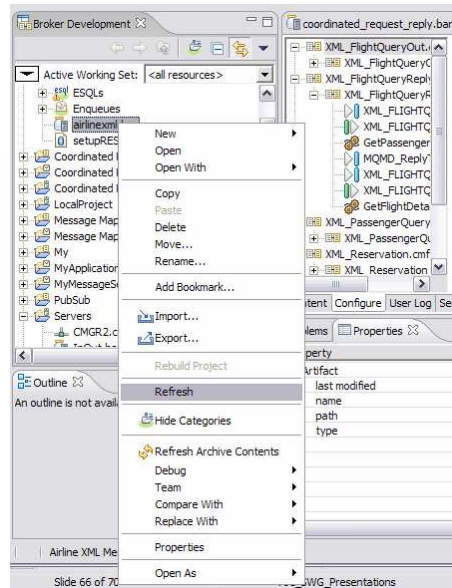
A BAR file refresh is invoked by a right-click on the BAR file contents and selecting Refresh. There is also the Refresh button in the Content view of an opened BAR file.

Line command: mqsiapplybaroverride

- There is also a new command for updating the override values in a BAR file:

  - >>-mqsiapplybaroverride-- -b --barFile -p --propertiesFile
  - **Parameters**
    - -b barFile
      - (Required) The path to the broker archive file to apply override values to.
      - relative from the executable or a full path to the broker archive file
    - -p propertiesFile
      - (Required) The path to the properties file containing the override values
      - relative from the executable or a full path to the properties file

In V6.0.2 there is a line command, mqsiapplybaroverride. This command provides a command-line tool that replaces configurable values in the barfile with new values specified in a properties file.

Using the mqsiapplybaroverride command together with the mqsicreatebar command, you can write scripts to create broker archive files and can apply different override values in the broker archive file.

This section will provide a summary of this presentation.

Summary

New features of the WebSphere Message Broker Toolkit V6.0.2:

- Basics
  - ‣ Workbench layout
- Application Development
  - ‣ Quick start wizards
  - ‣ Message sets
  - ‣ Databases
  - ‣ WSDL and SOAP
  - ‣ Message flows
  - ‣ Mapping
  - ‣ Testing
- Broker Administration
  - ‣ BAR files

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Enhancements to WebSphere Message Broker Toolkit in V6.0.2 have been presented in five modules. The first module discussed changes to the basic workbench layout and the quick start wizards for application development. The second module covered enhancements for the broker developer in the areas of message sets and databases. The third module discussed WSDL and SOAP enhancements including SupportPac IA9O which introduces two new nodes, the SOAPExtract node and the SOAPEnvelope node. Module 3 also covered message flow enhancements. The fourth module covered mapping changes and the new capability for testing flows that begin with HTTPInput or MQInput nodes. This final module discussed Broker administration BAR file enhancements.

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Broker administration

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