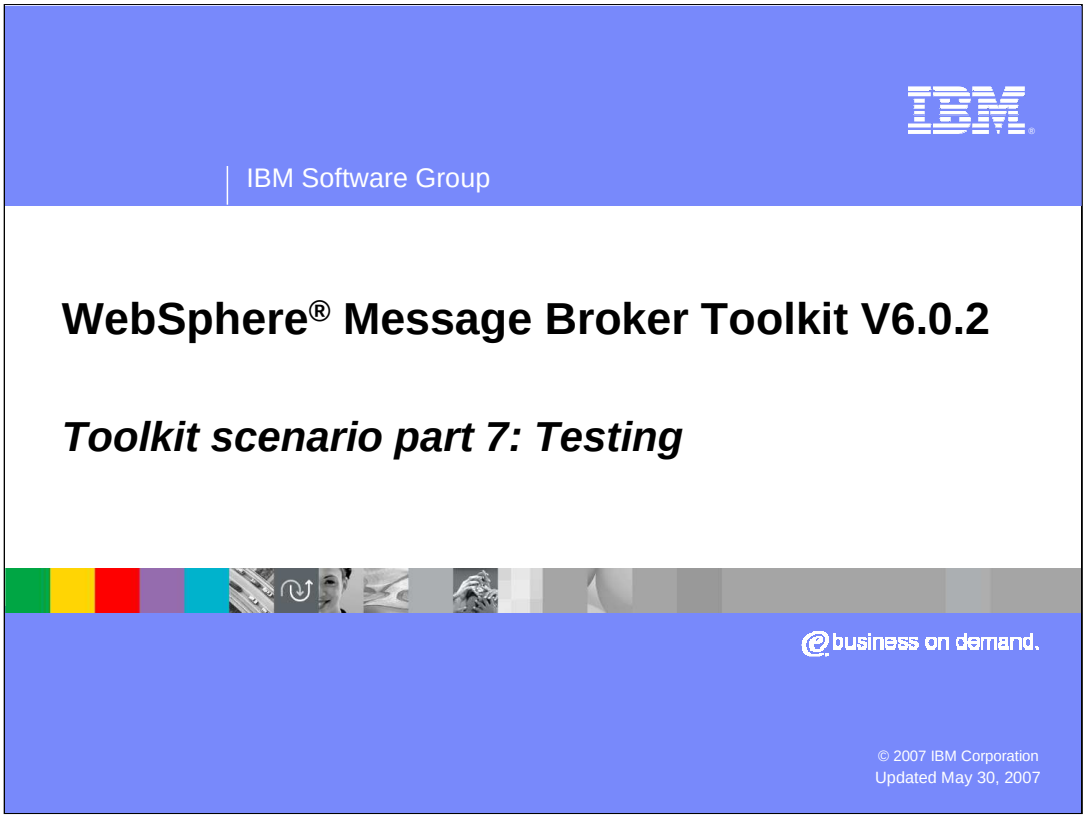


This final module in the WebSphere Message Broker Toolkit V6.0.2 covers testing the flow that was built in the previous modules.

Section

Scenario testing

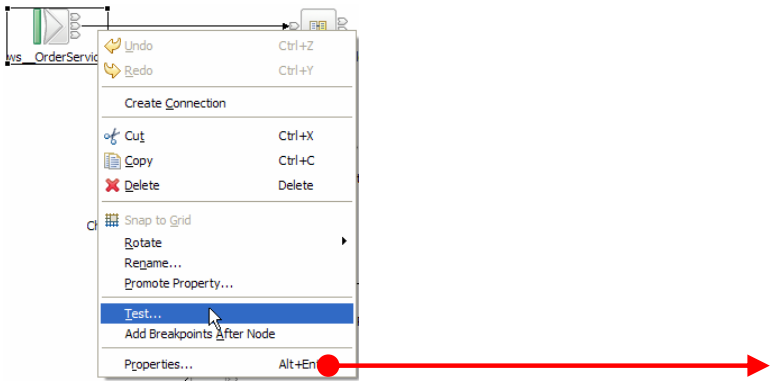
This section explains how to test the Order Processing application in WebSphere Message Broker V6.0.2.

Testing

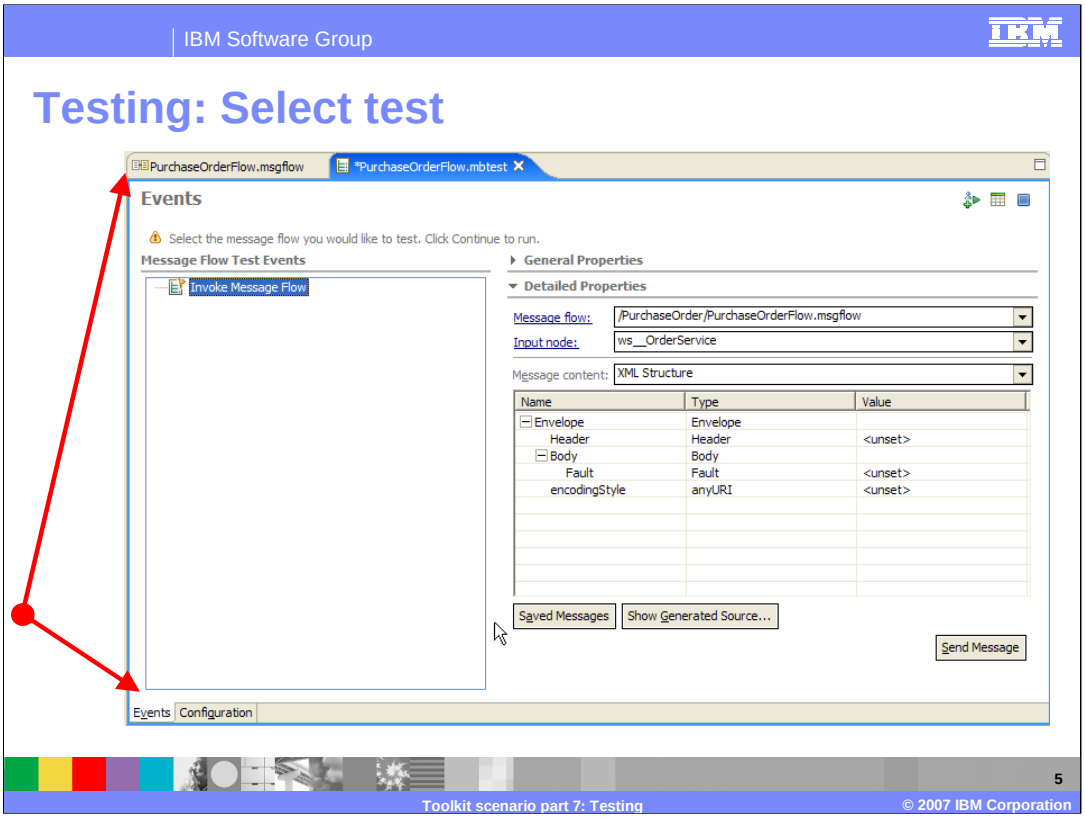
- In previous releases, there was no built-in way to test a flow that starts with HTTPInput.
- New in 602 is support for a new “Test client” for testing flows that are started using HTTPInput or MQInput nodes.

WebSphere Message Broker Toolkit V6.0.2 now supports testing flows, beginning with HTTPInput or MQInput nodes.

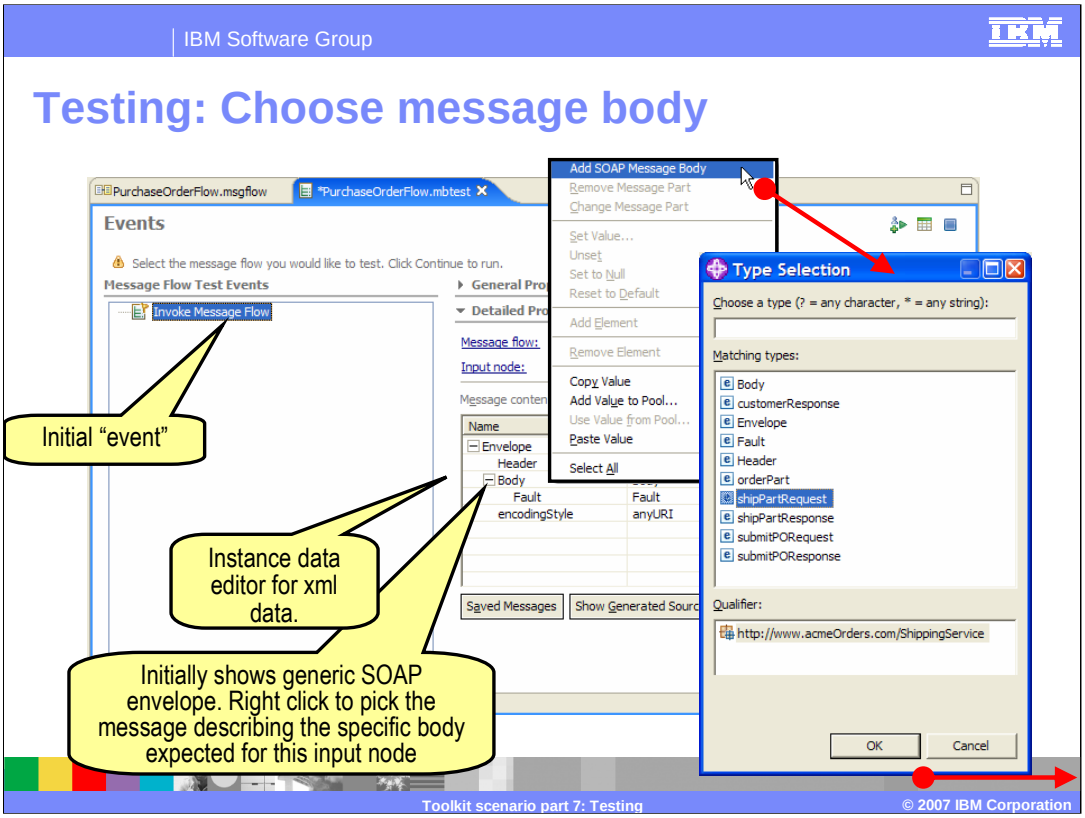
Testing: Invoke test



Once you have created all the objects needed in your flow, you can test your flow by right clicking on the HTTPInput node. Objects required include a WebSphere Message Broker Configuration Manager and broker, WebSphere MQ queue manager, queues and listener; and the files and databases used in your flow.

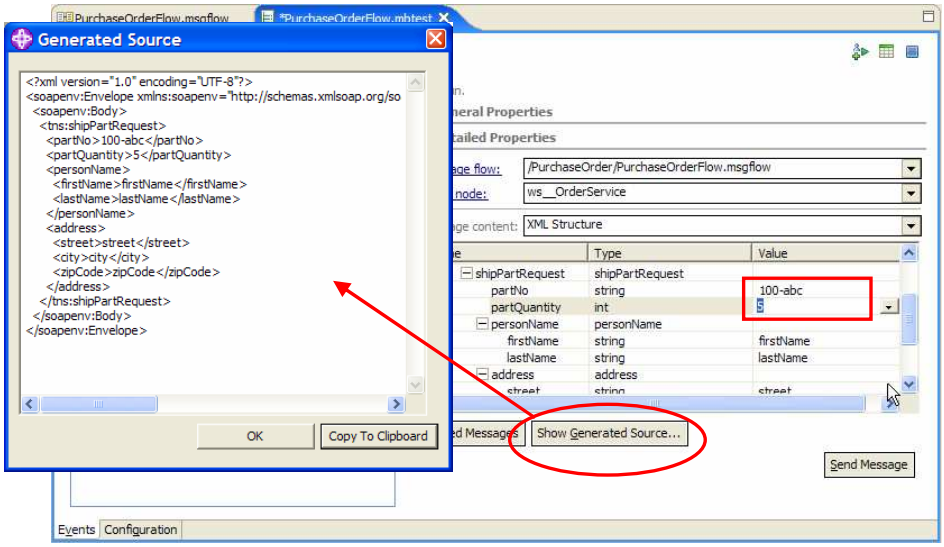


Selecting 'Test' for the HTTPInput node presents you with the view shown here. The two views available (on the tabs in lower left) are Events (shown here) and Configuration.



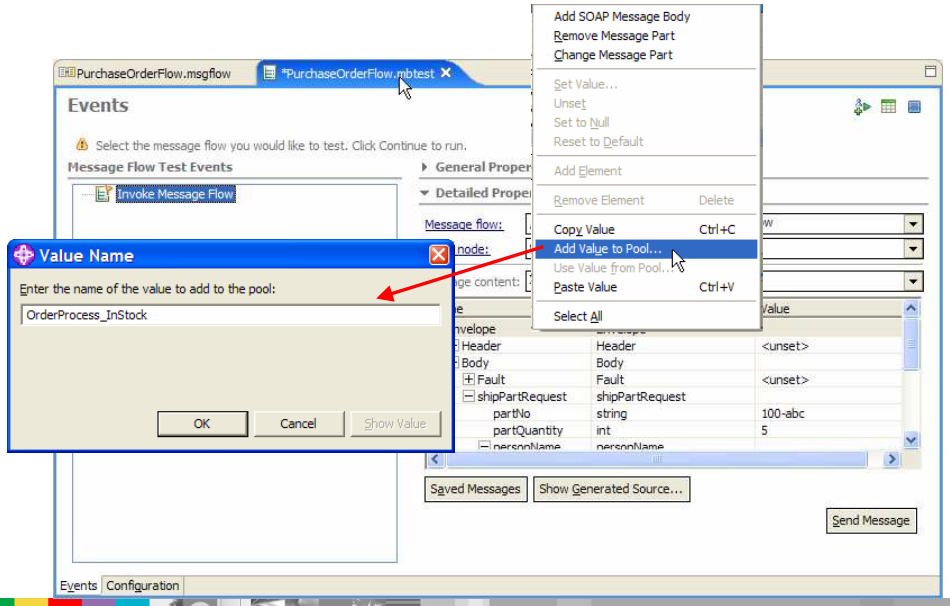
Right click on "Body" in message content, and select "**Add SOAP Message Body**"

Testing: Set input data



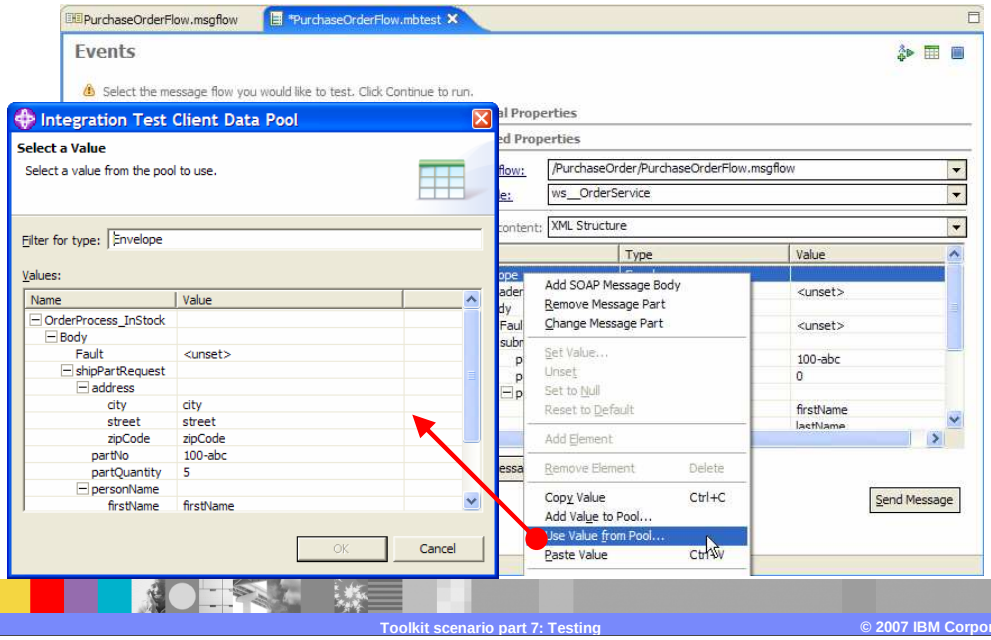
Set `partNo` to 100-abc and `partQuantity` to 5, then click **Show Generated Source**…

Testing: Save input data



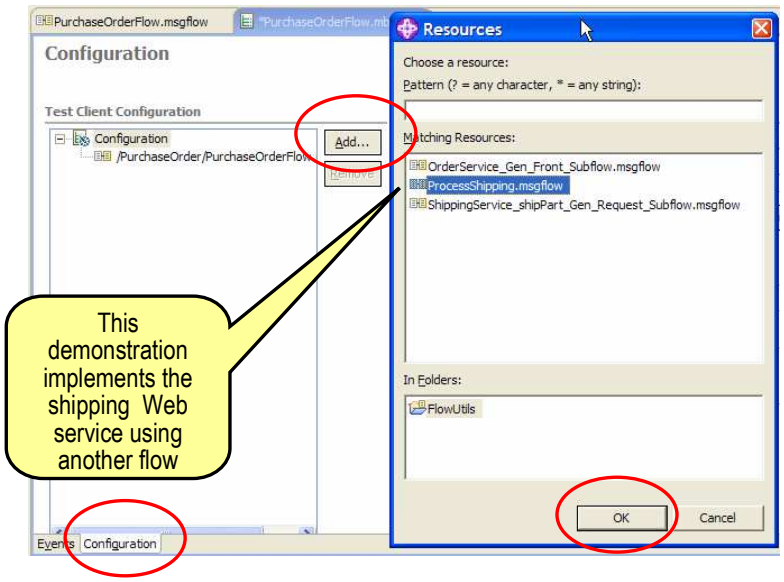
By selecting Add Value to Pool, the data will be saved and can be reused.

Notes: Use value from pool



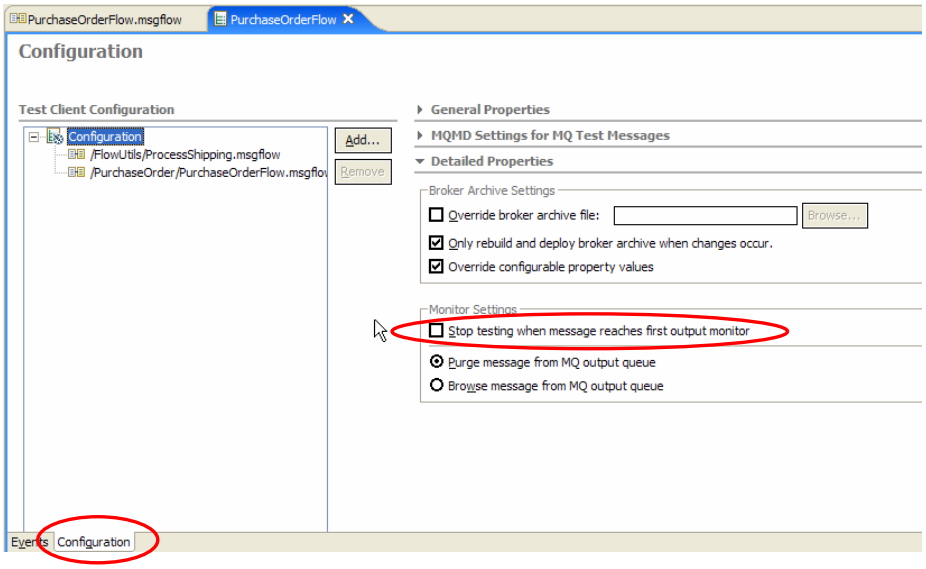
In subsequent runs, you can re-use the pool values**.**

Testing: Add other flows



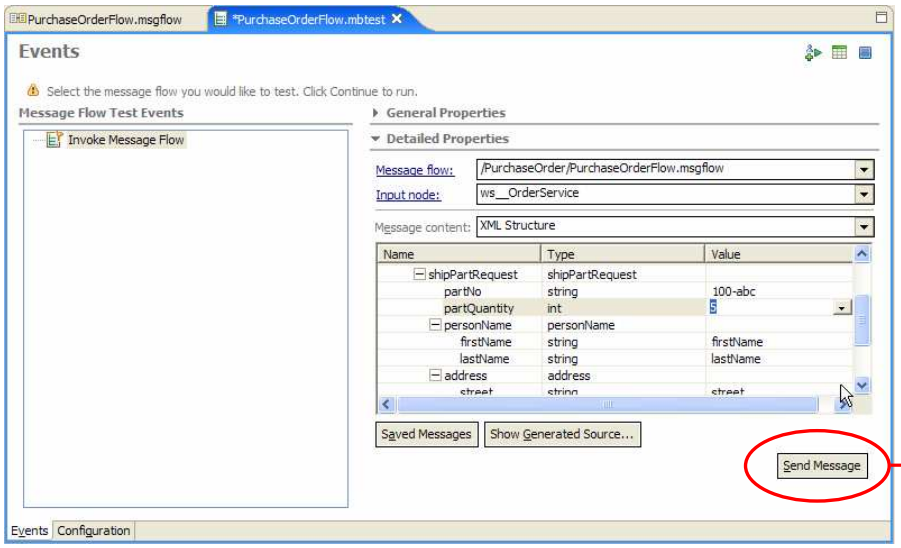
Use the Configuration tab to add flows from other projects that are required by the current project.

Testing: Configuration

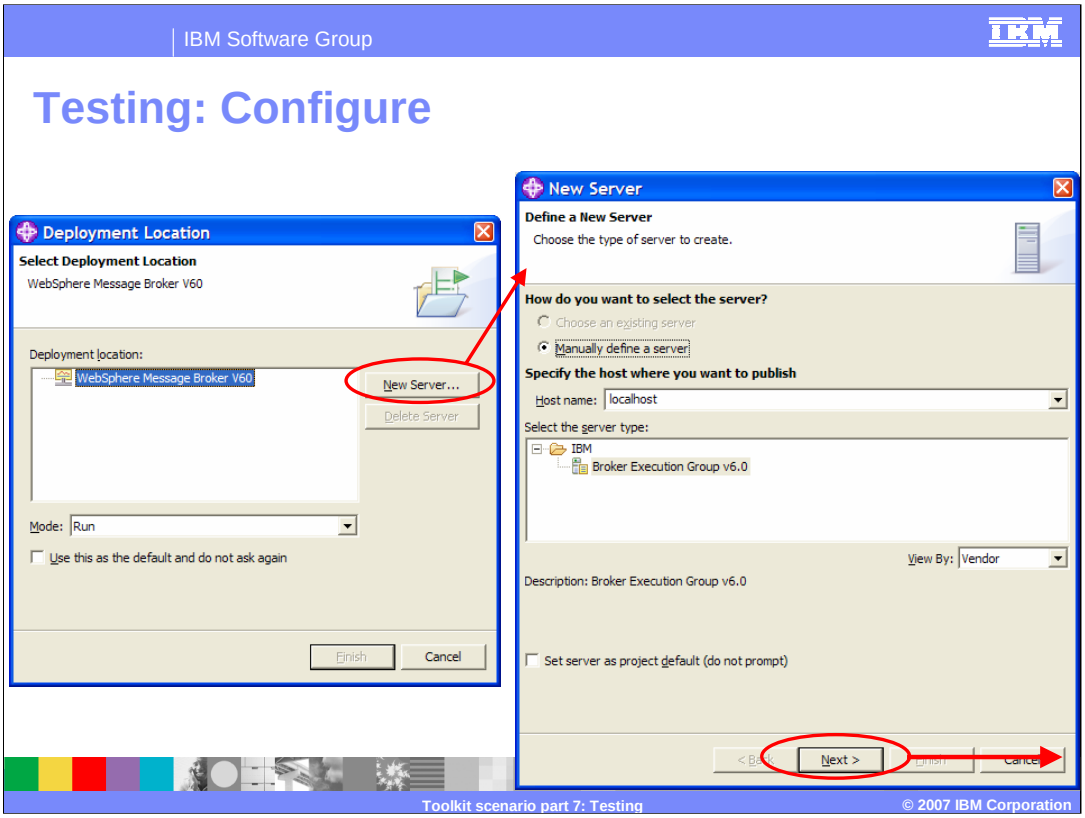


This scenario contains MQOutput nodes. Clear the 'Stop testing when message reaches the output monitor' check box so that the test will continue to run after messages are put on a queue.

Testing: Launch test

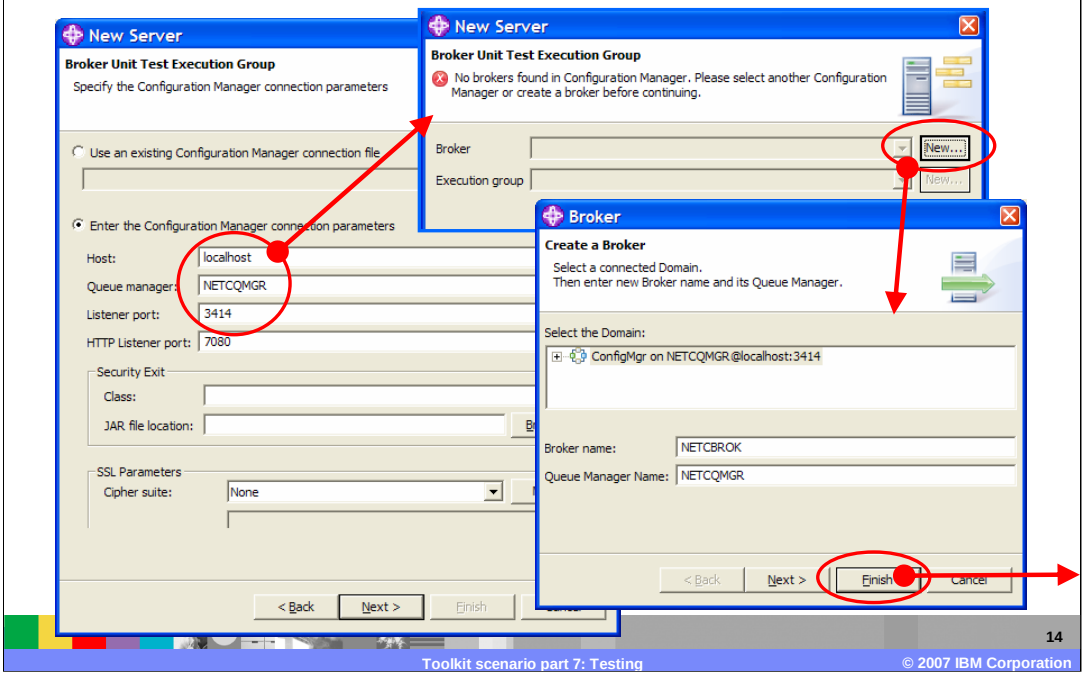


To launch the test, click **Send Message**….

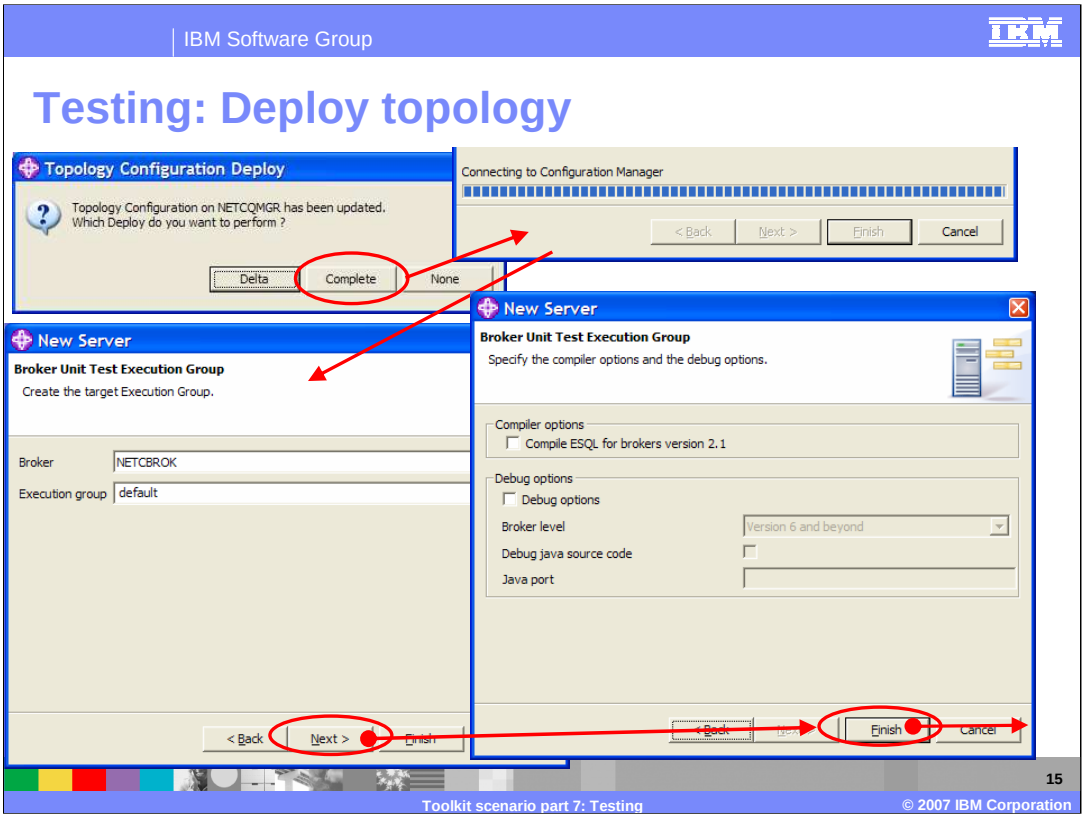


The first time you test, you must configure the runtime environment.

Testing: Create test broker

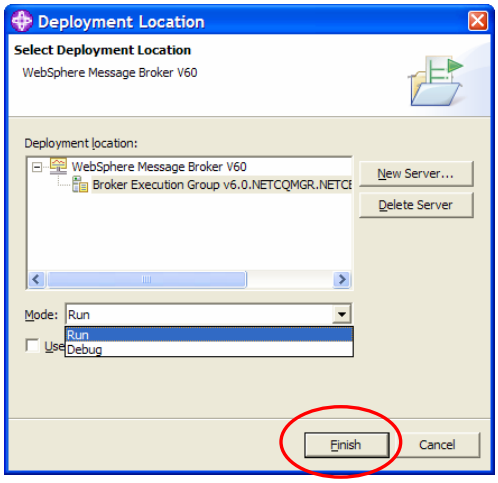


This scenario is using an existing Configuration Manager and a new broker, which will utilize the Configuration Manager queue manager.



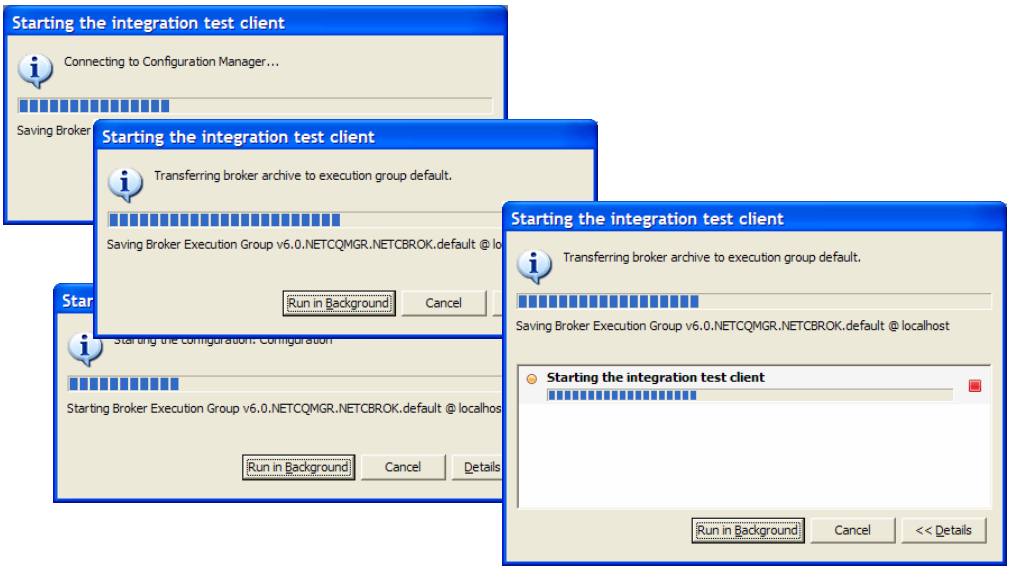
The new broker topology is deployed to the Configuration Manager.

Testing: Run mode

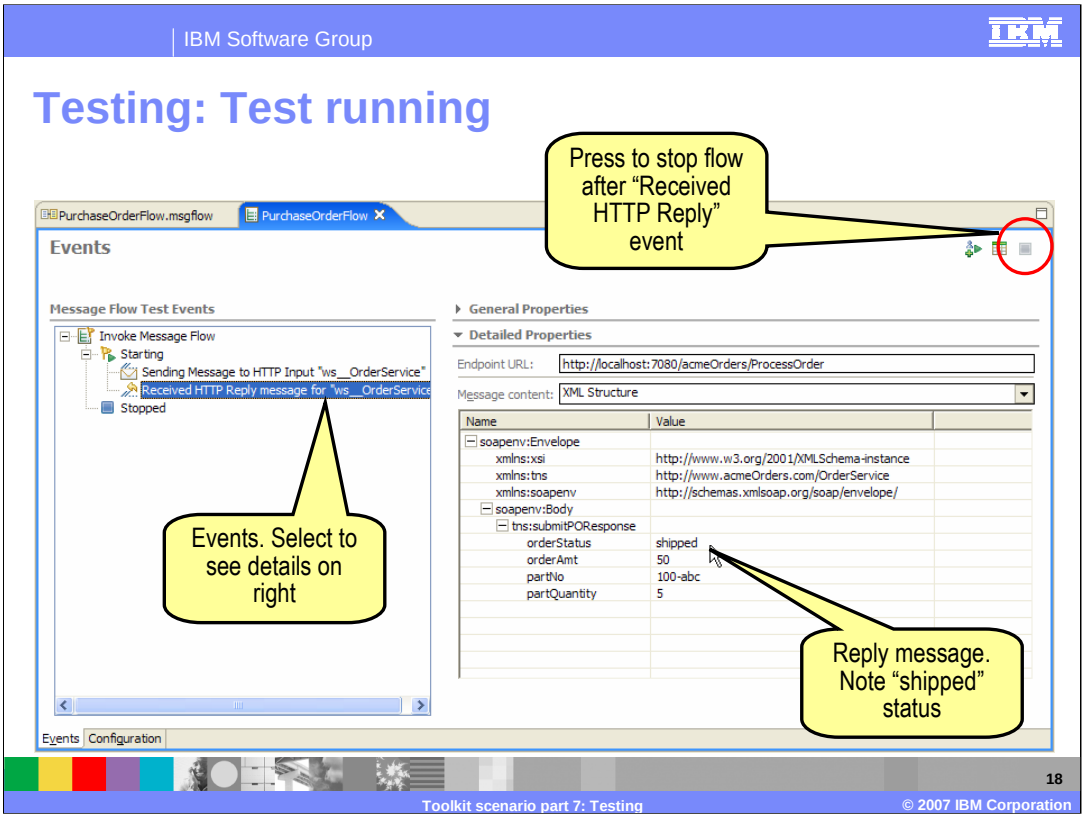


Select Run mode and click finish.

Testing: Prepare to test



The BAR file is created, deployed, and the test client is started.



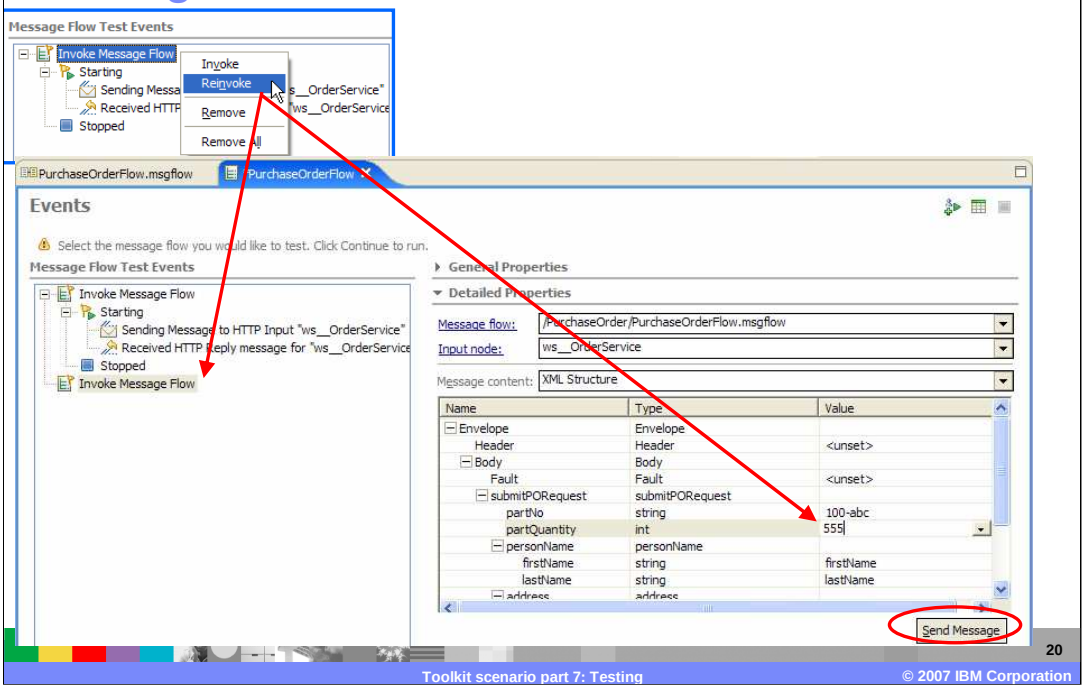
As the flow runs, you see the events on the left as they occur. Stop the flow at any time to view the details of an event. Selecting an event on the left shows details on the right.

Testing: Events

Event Type	What you can see
Starting	All queue monitors
Sending message to HTTP Input node	Request message in a read only source editor
Sending message to MQ Input node queue	The queue, queue manager, host, port of the WebSphere MQ queue that the message came from The message in a read only source editor.
Receiving message from HTTP Reply node	Response message in a read only source editor.
Receiving message at MQOutput node queue	The queue, queue manager, host, port of the WebSphere MQ queue that is being listened to. The reply message in a read only source editor
Stopping	

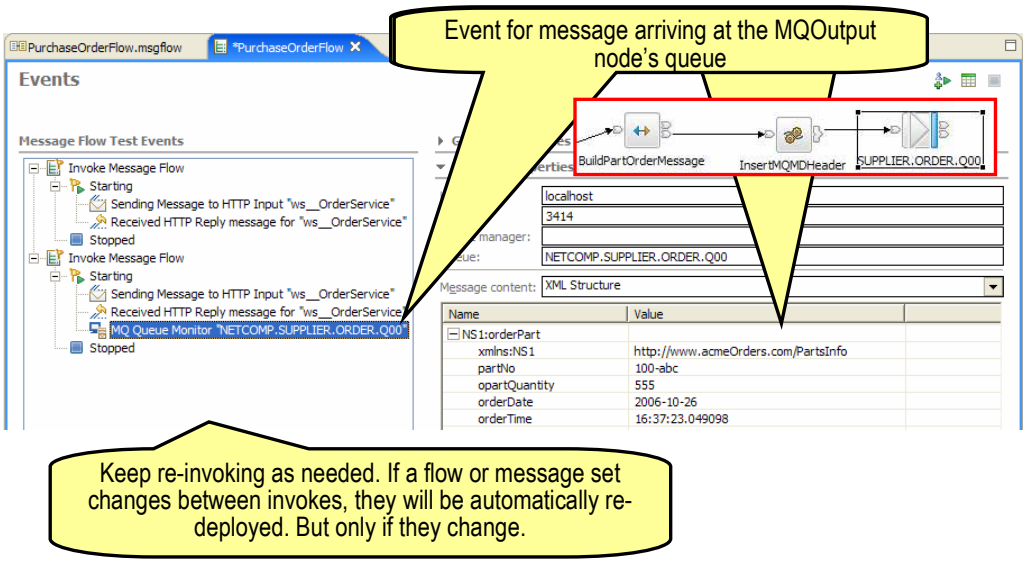
The information you see after selecting each event listed on the left is explained on the right.

Testing: Re-invoke



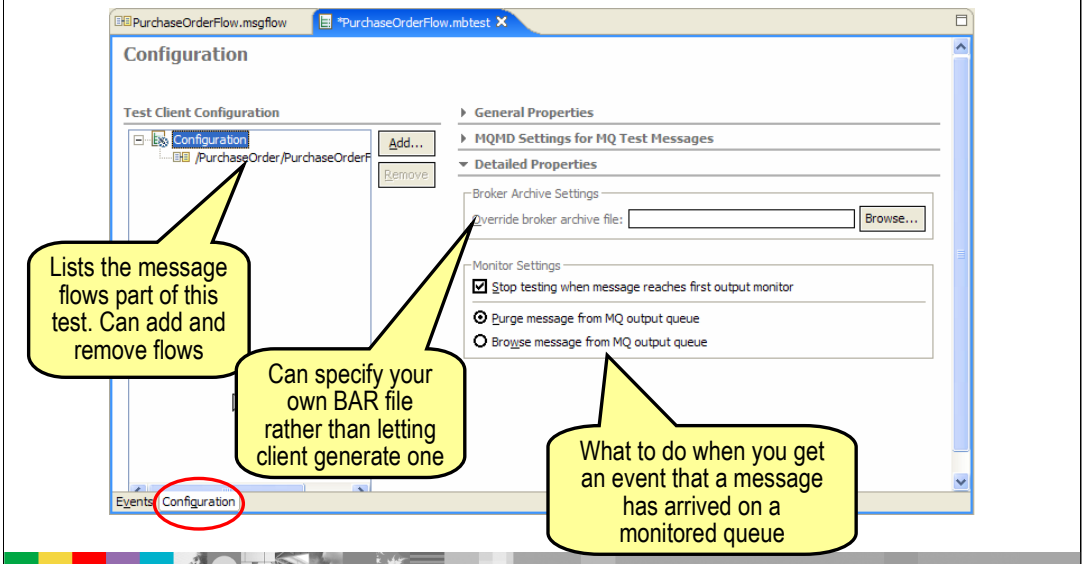
Data can be changed and the test re-invoked for additional testing.

Testing: Changing data



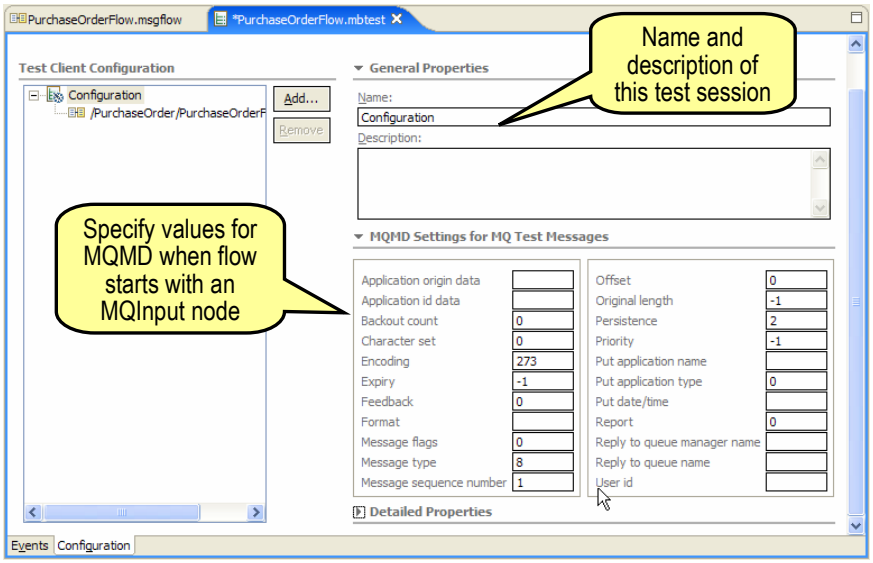
Change data and re-invoke as often as needed to test the flow. If a flow or a message set changes between tests, they are automatically re-deployed.

Notes: Test client

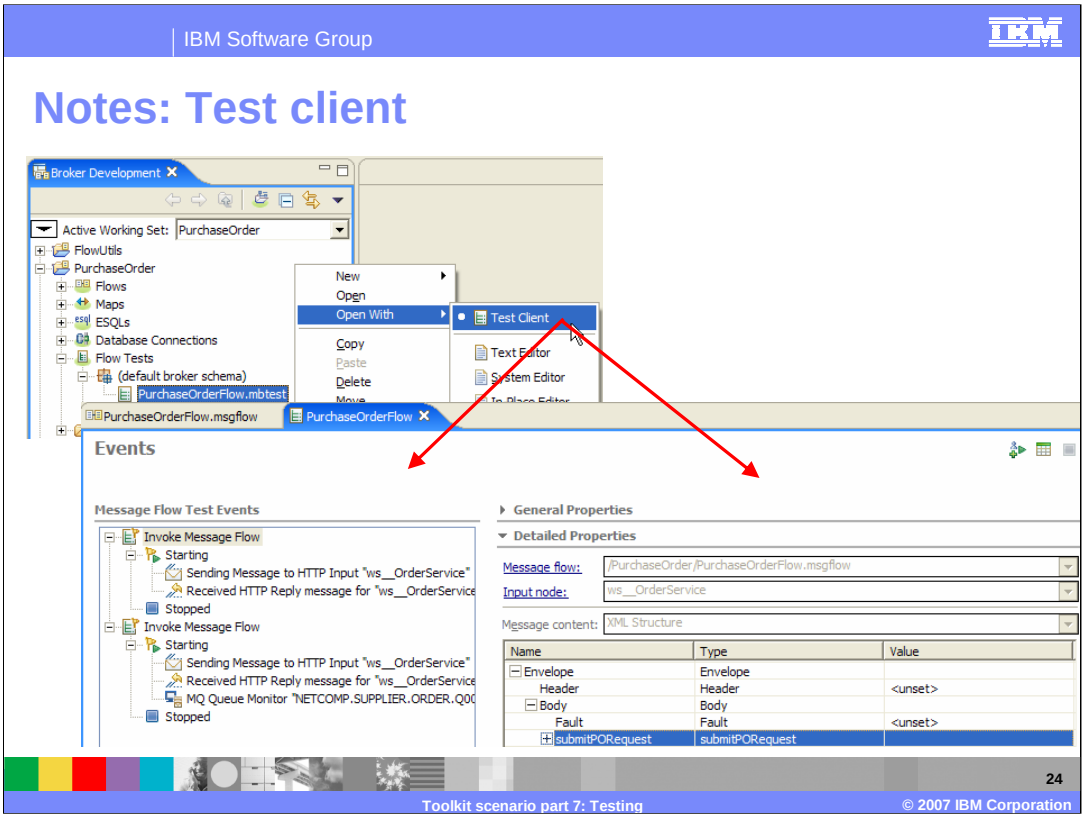


The Configuration view of the Test Client is for configuring your test session and there are several options available. You can add and remove flows and. in the detailed properties, you can specify a BAR file rather than having the Test Client generate one. When a message arrives on a monitored queue, you can elect to purge the message or browse the message.

Notes: Test client



In the General Properties, you can specify the name and description of the test session. In MQMD Settings, you can specify values when the flow starts with an MQInput node.

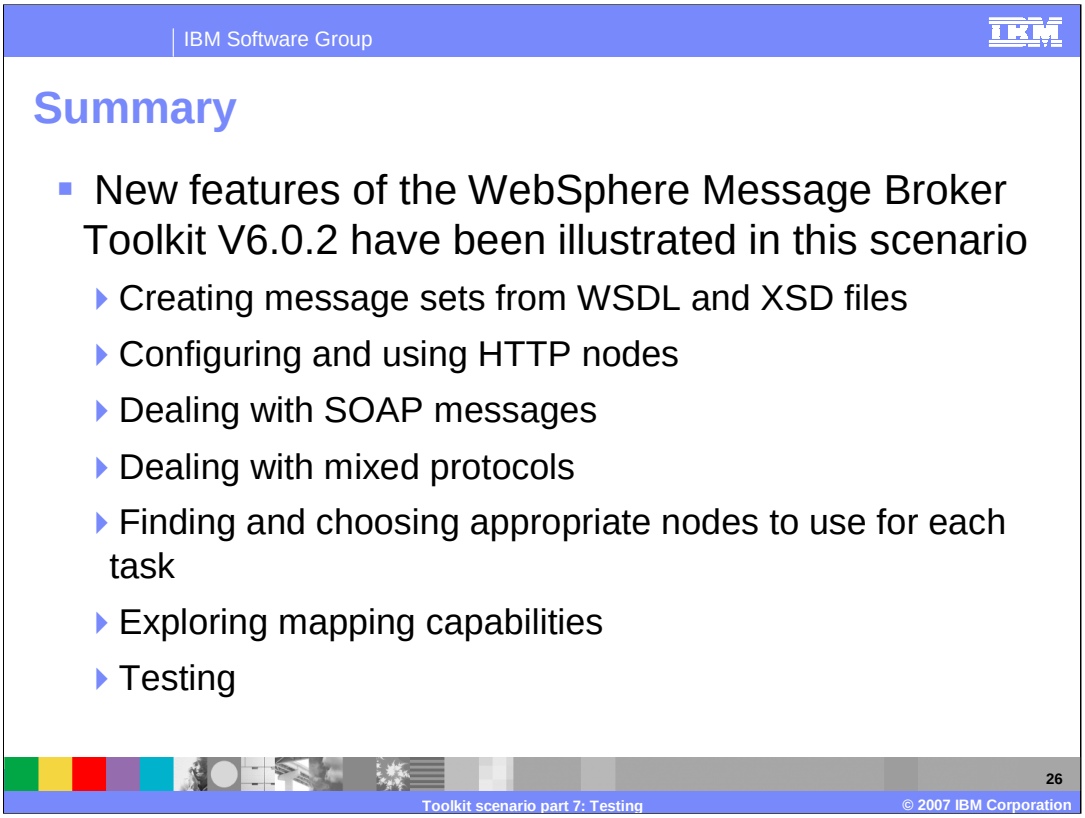


A saved test configuration can be opened and reused.

Section

Summary

This section provides a summary of all parts of this Scenario.



New features of the WebSphere Message Broker Toolkit V6.0.2 have been illustrated in this scenario. Screen captures showed the changes in formats in this version of the toolkit. The scenario also showed how to use the new features including:

* Creating message sets from WSDL and XSD files
* Configuring and using HTTP nodes
* Dealing with SOAP messages and mixed protocols
* Finding and choosing the appropriate nodes to use for each task
* Exploring mapping capabilities

and

* Testing

This concludes the WebSphere Message Broker V6.0.2 Toolkit scenario.

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