4.4.2 New, enhanced business process features with WebSphere Process Server V6.1

This section describes the new or enhanced business process capabilities for business integration applications that are available with WebSphere Process Server V6.1.

> **Note:** We discuss some of these new features in detail in the subsequent sections.

The new or enhanced features include:

► Generic JMS interface for the Business Flow Manager allows for programmatic interaction with business process templates and instances (Figure 4-8).

In WebSphere Process Server V6.0.2, there is support for Enterprise Java Bean (EJB) clients and Web Services clients to interact generically with business process templates and instances.

In V6.1, this interface is also exposed to JMS clients. It allows custom JMS clients to:

– Query and retrieve processes and activities
– Invoke and send messages to processes
– Life cycle operations (Restart/Delete/Suspend/Resume instances)
– Repair a business process
– Create and work with stored queries
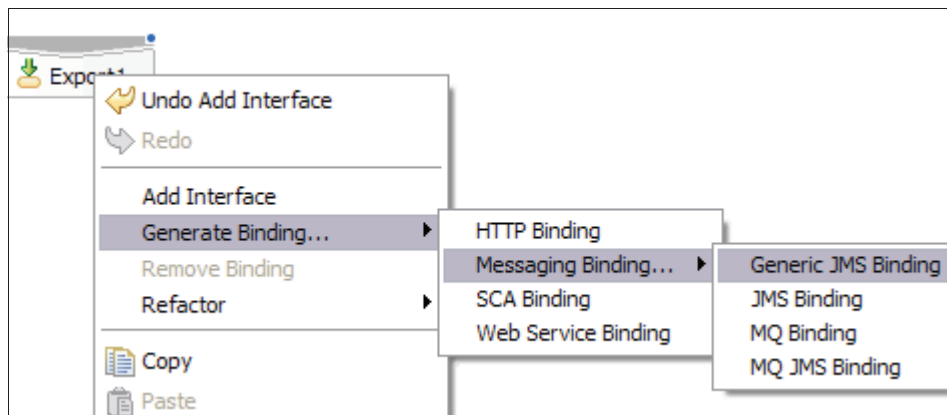– Handle variable
– Handle Input/Output/Fault

Figure 4-8   Generic JMS binding

Application adapters include:

- JD Edwards EnterpriseOne

  Provides bidirectional, real-time integration between JD Edwards Enterprise One and OneWorld Xe.

- Oracle E-Business Suite

  Supports real-time, bidirectional integration to all Oracle applications modules and other systems.

- PeopleSoft Enterprise

  Provides bidirectional, real-time integration between PeopleSoft and other applications.

- SAP Exchange Infrastructure

  Allows business applications to send and receive business data and events as XML messages asynchronously.

- SAP Software

  Provides bidirectional, multi-threaded, real-time integration between SAP and other applications, using SAP's all interfaces capabilities.

- Siebel Business Applications

  Provides comprehensive bidirectional, real-time integration between Siebel and order management, ERP, e-business, and existing systems.

Technology adapters

WebSphere Adapters V6.1 technology adapters deliver file and database connectivity solutions for IBM Business Process Management and enterprise service bus solutions in an SOA.

The technology adapters include:

- Email

  Enables the exchange of business objects with a variety of applications.

- Flat Files

  Enables the communication with an application through the exchange of text files.

- File Transfer Protocol (FTP)

  Extend ESB with business document exchange via FTP server.

- JDBC

  Allows the exchange of objects with applications built on any database supported by JDBC Driver.