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# **WebSphere® Enterprise Service Bus V6 WebSphere Process Server V6 WebSphere Integration Developer V6**

## ***Administrative overview***



@business on demand.

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This presentation will focus on the administrative features of WebSphere Process Server and WebSphere Integration Developer V6.

## Goals

- Explain the architecture for administrating WebSphere Process Server
- Understand the different locations for administrating WebSphere Process Server in the administrative console
- References to WebSphere Process Server
  - ▶ WebSphere Enterprise Service Bus

The goals of this presentation are to cover the administrative model of WebSphere Process Server and to provide a brief look at the different features and resources available through the administrative console. All references to the WebSphere Process Server throughout this presentation also apply to the WebSphere Enterprise Service Bus. The administration of the WebSphere Enterprise Service Bus is a subset of the WebSphere Process Server administration.

## Agenda

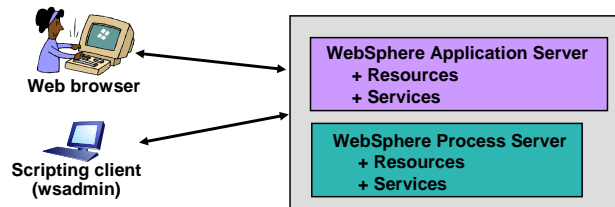
- Administrative overview
- Summary



This section will provide an overview of administrative capabilities.

## WebSphere Process Server administration

- Similar administration model and tools as with WebSphere Application Server
  - ▶ Extended to support administration of WebSphere Process Server resources and services
- Web browser based administrative console
  - ▶ Administrative console is a standard Java™ 2 Enterprise Edition Web application available at <http://localhost:9060/ibm/console>
    - Server must be active to use the console
- Command line tool wsadmin
  - ▶ Additional types and attributes for WebSphere Process Server



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Since WebSphere Process Server V6 is built on top of WebSphere Application Server V6, it uses the same administrative model. The administrative console is the primary means of managing resources, services, and applications installed in the environment. You can also use wsadmin from the command line to manage the servers. Both of these interfaces can also be used to manage WebSphere Process Server resources, allowing you to apply WebSphere Application Server administration skills directly to managing WebSphere Process Server.

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## Areas for administration

- Application resources
- Application Servers
  - ▶ Containers
  - ▶ Business Integration

The screenshot displays the IBM Administrative Overview console. On the left, a navigation tree shows the 'Resources' section expanded to 'JMS', which includes items like 'People directory provider', 'Extended messaging provider', and 'WebSphere Business Integration Adapters'. The main area shows the configuration for an application server. The 'Container Settings' section is highlighted with a red box, listing options like 'Session management', 'SIP Container Settings', and 'Web Container Settings'. Another red box highlights the 'Business Integration' section, which includes 'Business Integration Configuration', 'Service Component Architecture', and 'WebSphere Business Integration Adapter Service'.

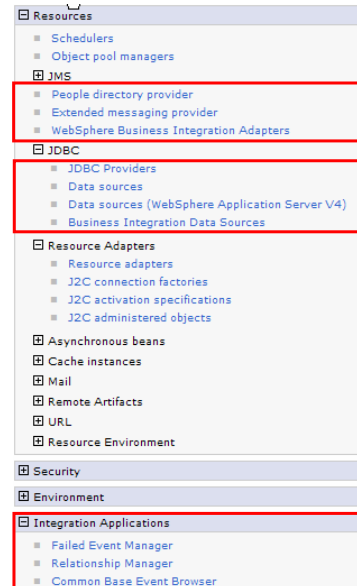
5

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The main areas in the administrative console where WebSphere Process Server resources and services can be administered are shown here. The resources section has been extended to include resources specific for integration applications running on WebSphere Process Server. There are also specific settings within each server definition for integration applications running on WebSphere Process Server and a couple of options under container settings. In addition, there is a business integration section where you can configure additional services used by integration applications.

## Resources and integration applications

- Definitions for resources used with services and by applications
- Services must be enabled for full functionality with resources
- Most resource definitions include JNDI name value
- Additional application management capabilities available with integration applications



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Resources used by integration applications can be managed under the resources section of the administrative console. If you use the human tasks feature, you must configure the staff plug-in providers provided for you by default. If you use WebSphere Business Integration Adapters, you can view the state and manage these from this location as well. The common event infrastructure provider can be configured for message destinations that event consumers can bind to and receive messages from. Under the Integration Application section, there are some additional capabilities to work with artifacts and the results of your integration applications, including the relationship manager and the failed event manager. With the integration of these three applications in the console, access to them can be restricted once you enable security in your environment.

## Container and business integration settings

- Setup business process container and human task (manager) container on server
  - ▶ Other setup options available
  - ▶ Some configuration on actual applications still required
- Business integration services can be enabled or disabled
  - ▶ Specific to server
- Business rules and selectors viewed and available for download



The other two areas on the console where integration applications can be administered are shown here. Under each server there is a container settings section which has areas where you can configure the business process container or the human tasks container for production. This section can also be used to install these features using the Web interface if the option to configure process choreography was not selected at profile creation time and you are planning to run business processes or human tasks in a production environment. You are prompted to supply the type of data source to create, messaging resources, and security aliases to be used for accessing these resources. For either the business process or human tasks container set up, a database is required, which must be created and configured outside the administrative console. The Business Integration section provides links that allow you to configure a variety of services and perform other operations. The links under Business Rules and under Selectors allow you to access items that you have updated and bring them back into the WebSphere Integration Developer tool environment.

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## Application control

- Applications
  - Default
- Security
  - Integration applications
  - Application control

Enterprise Applications

Enterprise Applications

Use this page to manage installed applications. A sir

Preferences

Start Stop Install Uninstall Update

Select Name

<input type="checkbox"/>	<a href="#">AppScheduler</a>
<input type="checkbox"/>	<a href="#">BPCECollector_default.Support</a>
<input type="checkbox"/>	<a href="#">BPCEExplorer_default.Support_bpc</a>
<input type="checkbox"/>	<a href="#">BPCObserver_default.Support</a>
<input type="checkbox"/>	<a href="#">BPECContainer_default.AppTarget</a>
<input type="checkbox"/>	<a href="#">BusinessRulesManager_default.Support</a>
<input type="checkbox"/>	<a href="#">RemoteAL61</a>
<input type="checkbox"/>	<a href="#">TaskContainer_default.AppTarget</a>
<input type="checkbox"/>	<a href="#">persistentLkMgr</a>
<input type="checkbox"/>	<a href="#">sca.sib.mediation</a>
<input type="checkbox"/>	<a href="#">wpsFEMgr_6.1.0</a>

Total 11

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Applications can be installed, started, and configured through the administrative console. Several default applications are installed; these applications allow the appScheduler, BPC, business rules, containers, and mediations to be run within the server. New applications can also be installed using a series of panels that allow configuration options. Security can be set for application access and control to allow only the system administrator or application owner to change configuration options. The integration applications can also have separate security credentials set up. This allows business analysts and other business control management to access CEI and other information without allowing them access to configuration or application control.



## Section

# *Summary*

This section provides a summary of this presentation.

## Summary

- Administration model for WebSphere Process Server is identical to WebSphere Application Server
- Web browser based administration through the Administrative console
- Command line administration through wsadmin
- Features, services and resources grouped for easy administration in the administrative console

The key point of this presentation is that WebSphere Process Server is built upon WebSphere Application Server and therefore provides a very similar administrative model for managing resources, services and applications running on the process server. Administrative tools include the administrative console, wsadmin, and ANT scripts and tasks. For administration through the administrative console, you will find features, services, and resources grouped logically together for easy location and modification.

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