



IBM Software Group

WebSphere Process Server V6 WebSphere Enterprise Service Bus V6

Service integration bus browser



@business on demand.

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This module will cover the service integration bus browser.

Agenda

- Service integration bus browser
 - ▶ SIB busses and queues elements in a tree view
 - ▶ Message contents of an SIB queue



The new SIB browser in the administrative console shows the SIB elements in a tree table view. This shows all relevant information at a glance, enhancing the ability to see the SIB elements and their relationship to each other. It also shows the message contents of an SIB queue.

Service integration bus browser

Service Integration Bus Browser

Service Integration Bus Browser

A service integration bus supports applications using message-based and service-oriented architectures. A bus is a group of interconnected servers and clusters that have been added as members of the bus. Applications connect to a bus at one of the messaging engines associated with its bus members. The service integration bus (SIB) browser lets you explore SIBs. It also displays the message content of an SIB queue.

Use the tree view to the left to navigate the service integration buses. Click a tree node to see more details.

Preferences

Name	Description
BPC.widCell.Bus	Messaging bus for Process Choreographer
CommonEventInfrastructure_Bus	CommonEventInfrastructure Bus
SCA.APPLICATION.widCell.Bus	Messaging bus for Service
SCA.SYSTEM.widCell.Bus	Messaging bus for Service
Total 4	

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The Service Integration Bus browser is listed under Service Integration in the administrative console navigation on the left. The service integration bus browser has two panes that appear to the right of the navigation frame. The first pane, called the tree pane, is a navigation tree where you can browse the service integration buses configured on the system. The second pane, called the content pane, contains the collection and detail pages for the buses and their individual components, such as messaging engines, queue points, destinations, publication points, and mediation points. When you click an item in the tree pane, its corresponding collection or detail page opens in the content pane.

Service integration bus browser

The screenshot displays the Service Integration Bus Browser interface. On the left, a navigation tree shows the hierarchy of the system, with 'Service integration' expanded to show 'Buses'. The main content area is divided into two panes. The left pane shows a tree view of the selected bus 'BPC.widCell.Bus', including sub-items like 'Destinations', 'widNode.server1', 'Queue Points', 'Publication Points', 'Mediation Points', 'SCA.SYSTEM.widCell.Bus', 'CommonEventInfrastruct', and 'SCA.APPLICATION.widCe'. The right pane, titled 'Buses', contains a description of a service integration bus and a 'Configuration' section with fields for Name, UUID, Description, Inter-engine transport chain, and High message threshold.

On the left you see the first item on the tree pane, “BPC.widCell.Bus”, and on the right in the content pane you see the detail information about this bus. Several different content panes are available by selecting them in the tree pane. In the buses content pane, you can view the configuration properties of a service integration bus. This content pane will open when you click a bus in the tree pane. Service integration buses support applications using message-based and service-oriented architectures. A bus is a group of interconnected servers and clusters, called *bus members*. Applications connect to a bus at one of the messaging engines associated with its bus members.

Destinations

Service Integration Bus Browser

Destinations Close page

Destinations

A bus destination is defined on a service integration bus, and is hosted by one or more locations within the bus. Applications can attach to the destination as producers, consumers, or both to exchange messages.

Preferences

New Delete Mediate Unmediate

Select	Identifier	Bus	Type	Description	Mediation
<input type="checkbox"/>	BFMJSAPIQueue_widNode_server1	BPC.widCell.Bus	Queue		
<input type="checkbox"/>	BFMJSCallbackQueue_widNode_server1	BPC.widCell.Bus	Queue		
<input type="checkbox"/>	BFMJSReplyQueue_widNode_server1	BPC.widCell.Bus	Queue		
<input type="checkbox"/>	BPEHldQueue_widNode_server1	BPC.widCell.Bus	Queue		
<input type="checkbox"/>	BPEIntQueue_widNode_server1	BPC.widCell.Bus	Queue		
<input type="checkbox"/>	BPERetQueue_widNode_server1	BPC.widCell.Bus	Queue		
<input type="checkbox"/>	Default.Topic.Space	BPC.widCell.Bus	Topic space		
<input type="checkbox"/>	HTMHldQueue_widNode_server1	BPC.widCell.Bus	Queue		
<input type="checkbox"/>	HTMIntQueue_widNode_server1	BPC.widCell.Bus	Queue		
<input type="checkbox"/>	SYSTEM.Exception.Destination.widNode_server1-BPC.widCell.Bus	BPC.widCell.Bus	Queue		
Total 10					

Service integration bus browser 5

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The destinations pane lets you view and administer destinations. This pane opens when you click the “Destinations” link under a bus in the tree pane. A bus destination is defined as part of a service integration bus and is hosted by one or more locations within the bus. Applications can attach to the destination as producers, consumers, or both to exchange messages.

Messaging engine and queue points

The screenshot displays two panes from the Service Integration Bus browser. The left pane, titled 'Messaging Engine', provides configuration details for a messaging engine. The right pane, titled 'Queue Points', shows a list of message points for queues.

Messaging Engine Configuration:

- Name:** widNode.server1-BPC.widCell.Bus
- UUID:** DB2A82E6ADEF43DA
- Description:**
- Initial state:** Started
- Message store type:** Data store
- High message threshold:** 50000 messages
- Target groups:**
- Bus name:** BPC.widCell.Bus
- Bus UUID:** 8E452EC0DF471145

Queue Points Table:

Queue Depth	Identifier
0	SYSTEM.Exception.Destination.widNode.server1-BPC.widCell.Bus@widNode.server1-BPC.widCell.Bus
0	BFMJMSReplyQueue.widNode.server1@widNode.server1-BPC.widCell.Bus
0	BFMJMSCallbackQueue.widNode.server1@widNode.server1-BPC.widCell.Bus
0	HTMIntQueue.widNode.server1@widNode.server1-BPC.widCell.Bus
0	BPEIntQueue.widNode.server1@widNode.server1-BPC.widCell.Bus
0	BPERetQueue.widNode.server1@widNode.server1-BPC.widCell.Bus
0	BFMJMSAPIQueue.widNode.server1@widNode.server1-BPC.widCell.Bus
0	HTMHidQueue.widNode.server1@widNode.server1-BPC.widCell.Bus
0	BPEHidQueue.widNode.server1@widNode.server1-BPC.widCell.Bus
Total 9	

The messaging engine pane shows the configuration of a messaging engine. A messaging engine is a component running inside a server that manages messaging resources for a bus member. Applications are connected to a messaging engine when accessing a service integration bus.

The queue points pane lets you view the message points for queues, for point-to-point messaging.

Service integration bus browser

The screenshot displays the Service Integration Bus Browser interface. The top navigation bar includes "Admin Console", "Integrated Solutions Console", "Welcome admin", "Help", and "Logout". The left sidebar shows a tree view with categories like "View: All tasks", "Servers", "Applications", "Resources", "Security", "Environment", "Services", "Integration Applications", "System administration", "Users and Groups", "Monitoring and Tuning", "Troubleshooting", "Service integration", and "UDDI". The main content area is titled "Messaging Engine" and contains a description: "A messaging engine is a component, running inside a server, that manages messaging resources for a bus member. Applications are connected to a messaging engine when accessing a service integration bus." Below the description is a configuration form with fields for Name, UUID, Description, Initial state, Message store type, High message threshold, Target groups, Bus name, and Bus UUID. A "Help" sidebar on the right provides "Field help" and "Page help" links. The bottom status bar shows "Service integration bus browser" and "© 2009 IBM Corporation".

There is a gray line that divides the tree pane from the content pane; in the middle it is moveable left to right. You can view more detail on either side just by moving the gray line in either direction. Here you see that gray line is moved way over to the left to expand the content pane to full width.

Section

Summary



This section summarizes the topics discussed in this presentation.

Summary

- Discussed Installation of WebSphere® Process Server V6
 - ▶ Covered an overview and initial install information
 - ▶ Stepped through installation flow discussing information on each installation screen and uninstall
- Profile management tool
 - ▶ Typical installation
 - ▶ Deployment environment installation



This presentation covered the WebSphere Process Server V6 installation. It also covered initial installation information and stepped through the installation flow. You saw how to update an existing installation and how to uninstall. Troubleshooting topics like known limitations, best practices, and debugging and logging information were also covered. The profile management tool was shown as part of the installation but can also be run separately to create additional profiles. The deployment environment creation option in the profile management tool is discussed in the clustering section.

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