

Stop and restart an MQ JMS Activation Specification in WAS

IBM Techdoc: 7024228

<http://www.ibm.com/support/docview.wss?uid=swg27024228>

Date last updated: 23-Feb-2012

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+++ Objective

The objective of this technical document is to describe in detail how to stop and restart a WebSphere MQ JMS Activation Specification in WebSphere Application Server V7 and V8.

The proper terminology in WAS is to "pause" and "resume" a message endpoint.

+++ References

Reference:

http://publib.boulder.ibm.com/infocenter/wasinfo/v8r0/topic/com.ibm.websphere.express.doc/info/exp/ae/tdat_msgendpoint.html

Express (Distributed operating systems), Version 8.0 > Administering applications and their environment > Welcome to administering Messaging resources > Managing message-driven beans

File name: tdat_msgendpoint.html

Managing messages with message endpoints

+++ Summary

Login to the WAS Administrative Console

Left side: Applications > Application Types > WebSphere enterprise applications

Right side: Enterprise Applications > Select the desired MDB

Click on the Runtime tab

Click on "Manage message endpoints"

Click on the Activation Specification.

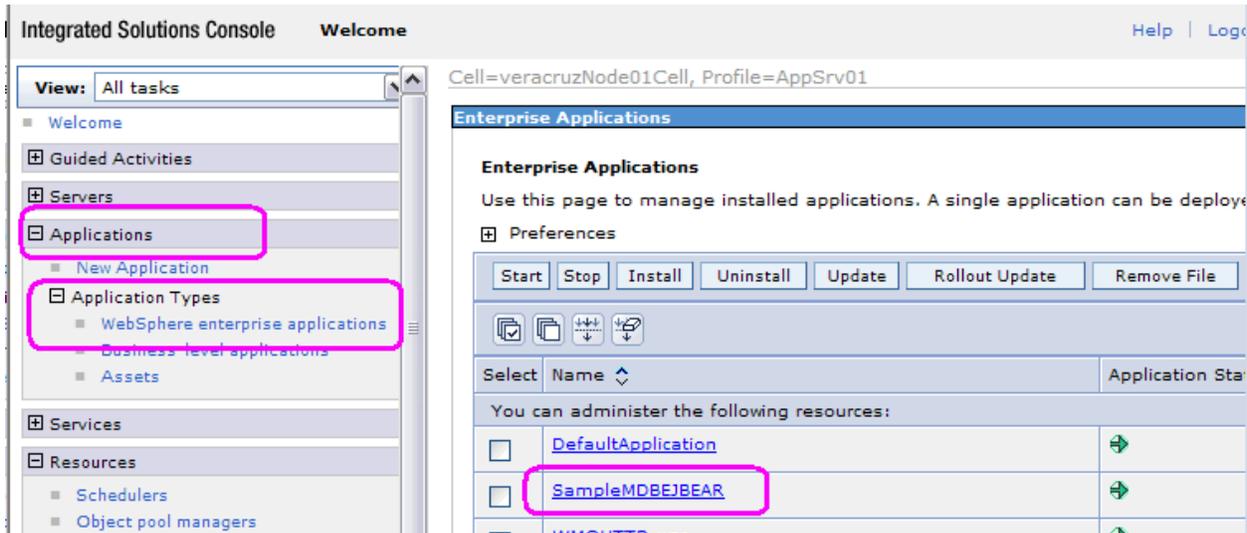
You can pause (stop) and resume (restart) the Activation Specification.

+++ Detailed procedure

Login to the WAS Administrative Console

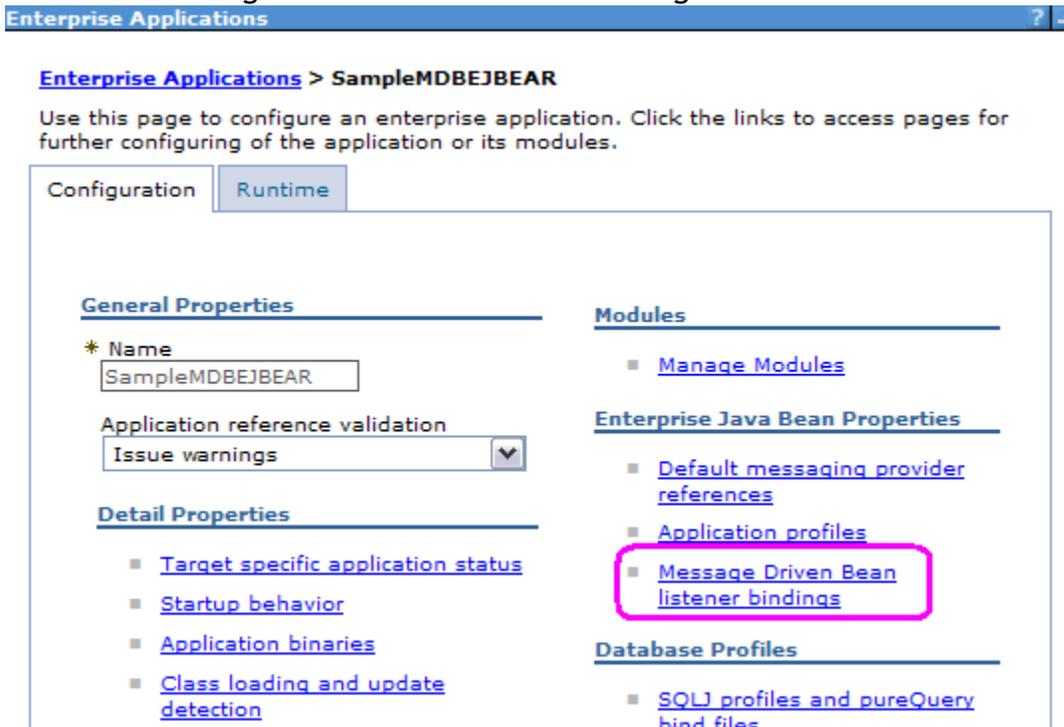
Left side: Applications > Application Types > WebSphere enterprise applications

Right side: Enterprise Applications > Select the desired MDB



- Optional step: Confirm that the MDB is associated with an Activation Specification and not with a Listener Port.

- Click on "Message Driven Bean listener bindings"



- (Optional) Ensure that the radio button is selected for: Activation Specification

Return to previous screen.

Enterprise Applications

[Enterprise Applications](#) > [SampleMDBEJB](#) > Message Driven Bean listener bindings

Message Driven Bean listener bindings

Each message-driven enterprise bean in your application or module must be bound to a listener port name or to an activation specification JNDI name. When a message-driven enterprise bean is bound to an activation specification JNDI name you can also specify the destination JNDI name and authentication alias.

Apply Multiple Mappings

Select	EJB module	EJB	URI	Messaging type	Listener Bindings
<input type="checkbox"/>	SampleMDBEJB	SampleMDB	SampleMDBEJB.jar,META-INF/ejb-jar.xml	javax.jms.MessageListener	<input type="radio"/> Listener port Name <input type="text"/> <input checked="" type="radio"/> Activation Specification Target Resource JNDI Name <input type="text" value="jms/SampleMDBQueueA"/> Destination JNDI name <input type="text"/> ActivationSpec authentication alias <input type="text"/>

- Click on the Runtime tab
- Click on "Manage message endpoints"

Cell=veracruznode01Cell, Profile=AppSrv01

Enterprise Applications

[Enterprise Applications](#) > [SampleMDBEJB](#)

Use this page to configure an enterprise application. Click the links to access pages for further configuring of the application or its modules.

Configuration **Runtime**

General Properties

Name

Enterprise Java Bean Properties

- Manage message endpoints

- Click on the Activation Specification. Notice the icon on the Status column (right). If the color of the icon is green, then the MDB is running. If the color is red, then it is stopped.

- If it is running, you can pause (stop) the Activation Specification. Select the Activation Specification and click on "Pause".

Enterprise Applications > **SampleMDBEJB** > **Manage message endpoints**

Use this page to manage situations where messaging providers fail to deliver messages to their intended destinations. For example, a provider might fail to deliver messages to a message endpoint when its underlying Message Driven Bean attempts to commit transactions against a database server that is not responding. To temporarily deactivate a message endpoint from handling messages, select the appropriate endpoint and click Pause. After the message endpoint is inactive, repair the underlying cause of the message delivery failures. To reactivate the message endpoint, select the appropriate endpoint and click Resume. To view the configuration binding for the underlying endpoint message Driven Bean and Activation Specification, click the name of the message endpoint.

Preferences

Pause Resume

Select	Name (Activation Specification) ⌵	Running object scope ⌵	Status 🔄
<input checked="" type="checkbox"/>	SampleMDBEJB#SampleMDBEJB.jar#SampleMDB_J2CMessageEndpoint (jms/SampleMDBQueueActivationSpec)	Cell:veracruzNode01Cell Node:veracruzNode01 Server:server1	🟢

Total 1

- You can resume (restart) the Activation Specification by clicking on "Resume".

Enterprise Applications > **SampleMDBEJB** > **Manage message endpoints**

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<input checked="" type="checkbox"/>	SampleMDBEJB#SampleMDBEJB.jar#SampleMDB_J2CMessageEndpoint (jms/SampleMDBQueueActivationSpec)	Cell:veracruzNode01Cell Node:veracruzNode01 Server:server1	🔴

Total 1

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