



IBM Software Group

IBM® WebSphere® Application Server V7

WebSphere MQ enhancements in WebSphere Application Server



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Updated September 25, 2008

This presentation will discuss the WebSphere MQ enhancements in WebSphere Application Server version 7.

Agenda

- WebSphere MQ Enhancements



This presentation will discuss WebSphere MQ enhancements in WebSphere Application Server version 7.

Enhancements for WebSphere MQ

- WebSphere Application Server V7 contains a JCA RA for WebSphere MQ
 - ▶ Panels and commands for configuration of JMS resources
 - Connection factories, activation specifications, and so on
 - ▶ Synchronous send and receive of messages to WMQ
 - Bidirectional messaging
 - JMSText messages
 - Client connection to the queue manager can be used
- Enables message delivery to Message-Driven Beans using activation specifications, the standard Java™ EE delivery mechanism
- Listener port usage is deprecated
 - ▶ Listener ports can be converted to activation specifications



WebSphere application server version 7 ships with a Java Connector Architecture resource adapter for WebSphere MQ version 7.

The administrative console has been improved to more accurately reflect the capabilities added to more recent versions of WebSphere MQ JMS.

Delivery of messages by way of activation specifications to message driven beans is enabled in this resource adapter, with JCA version 1.5 activation specification mechanism support.

Although listener port usage is deprecated, it is still supported, but there is now an emphasis that listener ports can be converted to activation specifications.

Improvements to SIB and WebSphere MQ interoperability

- SIB JMS applications can now access WebSphere MQ message attributes
 - ▶ For example Message ID and Correlation ID
- Single bus interoperation of SIB and “WMQ server” configuration object now supports MQ V7 on all platforms supported by MQ
- MQLink enhancements
 - ▶ Enhanced trace and first failure data capture
 - ▶ Improved documentation
- Now supports filtering of the display of discovered MQ queues
 - ▶ For single-bus interoperation only

New APIs have been added to allow some WebSphere MQ message attributes to be accessed programmatically, for example the Message ID and the correlation ID.

The WebSphere MQ server object that was introduced in WebSphere Application server version 6.1 for support of WebSphere MQ on Z/OS® is now supported to connect to WebSphere MQ on all platforms that are supported by WebSphere MQ.

This can be used as an alternative to MQ link and allows applications to take advantage of the high availability and load balancing of the MQ queue sharing groups that WebSphere MQ now provides on more than just the Z/OS version.

There is also improved documentation for MQ links and enhancements to the tracing and first failure data capture, for those seeking technical support.

Panels have been updated in the administrative console to filter the MQ queues that are discovered while browsing for them in single bus operation scenarios.

Summary

- This presentation has covered MQ enhancements provided by WebSphere Application Server V7.0



This presentation has reviewed the WebSphere MQ enhancements available in WebSphere Application Server version 7.

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