

This document summarises the changes between the JMS 2.0 public draft and the reorganised version published to the expert group on 6 Feb 2013.

### ***Which are the completely new sections?***

Old chapter	Old section	New chapter	New section
		2 Architecture	2.5 JMS APIs
			2.6 Interfaces common to multiple APIs
			2.8 Simplified API interfaces
			2.9 Legacy domain-specific API interfaces
		7 Sending messages	7.5 Setting message properties
			7.6 Setting message headers
		8 Receiving messages	8.2 Creating a consumer on a queue
			8.3 Creating a consumer on a topic
			8.4 Starting message delivery

### ***Where have the old sections moved?***

1 Introduction	1.1 Introduction	1 Introduction	1.1 Introduction
	1.2 Overview		1.2 Overview
	1.3 What is required by JMS		1.3 What is required by JMS
	1.4 Relationship to other Java APIs		1.5 Relationship to other Java APIs
	1.5 What's new in JMS 1.1?		<b>Deleted</b>
	1.6 What's new in JMS 2.0?		1.5 What's new in JMS 2.0?
2 Architecture	2.1 Overview	2 Architecture	2.1 Overview
	2.1 What is a JMS application?		2.1 What is a JMS application?
	2.3 Administration		2.3 Administration
	2.4 Two messaging styles		2.4 Two messaging styles
	2.5 JMS Interfaces (Paras 1-4)		<b>Deleted</b> (covered in new sections 2.5 – 2.9)
	2.5 JMS interfaces		2.10 Relationship

	(Table 2.1 Relationship of PTP and Pub/Sub Interfaces)		between interfaces (Table 2 1 Relationship of interfaces) - <b>updated</b>
	2.5 JMS Interfaces (bullet points)		2.7 Classic API interfaces (bullet points)
	2.5 JMS interfaces (Figure 7.1 Overview of JMS object relationships)		2.7. Classic API interfaces (Figure 2 2 Overview of classic API)
	2.5 JMS Interfaces (last 2 paras)		2.11 Terminology for sending and receiving messages
	2.6 Developing a JMS application		2.12 Developing a JMS application
	2.6.1 Developing a JMS client		2.12.1 Developing a JMS client - <b>updated</b>
	2.7 Security		2.13 Security
	2.8 Multi-threading		2.14 Multi-threading - <b>updated</b>
	2.9 Triggering clients		2.15 Triggering clients
	2.10 Request/reply		2.16 Request/reply - <b>updated</b>
3 JMS message model		<b>Unchanged</b>	
4. JMS common facilities	4.1. Overview		Deleted
	4.2. Administered objects	5 Administered objects	5.1 Overview
	4.2.1. Destination		5.2 Destination
	4.2.2 ConnectionFactory		5.3 ConnectionFactory <b>expanded</b>
	4.3. Connection	6 Connecting to a JMS provider	6.1. Connections - <b>updated</b>
	4.3.1 Authentication		6.1.1 Authentication
	4.3.2 Client identifier		6.1.2 Client identifier <b>updated</b>
	4.3.3 Connection setup (first part)		6.1.3 Connection setup <b>updated</b>
	4.3.3 Connection setup (second part)		6.1.4 Starting a connection <b>new</b>
	4.3.4 Pausing delivery of oncoming messages		6.1.5 Pausing delivery of oncoming messages
	4.3.5 Closing a connection		6.1.6 Closing a connection
	4.3.6 Sessions		Deleted
	4.3.7 ConnectionMetaData		6.1.7 ConnectionMetaData

			<b>minor update</b>
	4.3.8 ExceptionListener		6.1.8 ExceptionListener
	4.4. Session		6.2 Sessions <b>modified</b> (except last 2 paras)
	4.4.1. Closing a Session		6.2.1 Closing a Session <b>modified</b>
	4.4.2. MessageProducer and MessageConsumer Creation		6.2.2. Producer and coinsumer creation
	4.4.3. Creating temporary destinations		6.2.3. Creating temporary destinations
	4.4.4. Creating Destination objects		6.2.4. Creating Destination objects
	4.4.5. Optimized message implementations		6.2.5. Optimized message implementations
	4.4.6. Conventions for using a session		6.2.6. Threading restrictions on a session
	4.4.7. Transactions		6.2.8. Transactions
	4.4.8. Distributed transactions		6.2.9. Distributed transactions
	4.4.9. Multiple sessions		6.2.10. Multiple sessions
	4.4.10. Message order		6.2.11. Message order
	4.4.11. Message acknowledgment		6.2.12. Message acknowledgment
	4.4.12. Duplicate delivery of messages		6.2.13. Duplicate delivery of messages
	4.4.13. Duplicate production of messages		6.2.14. Duplicate production of messages
	4.4.14. Serial execution of client code		6.2.15 Serial execution of client code
	4.4.15. Concurrent message delivery (first para)		6.2.16 Concurrent message delivery
	4.4.15. Concurrent message delivery (second para)		Deleted
	4.5. MessageConsumer	8 Receiving messages	8.1 Consumers <b>modified</b>
	4.5.1. Synchronous delivery		8.5 Receiving messages synchronously <b>modified</b>
	4.5.2. Asynchronous delivery		8.7 Receiving messages asynchronously
	4.5.3. Closing a MessageConsumer		8.8. Closing a consumer

	4.6. MessageProducer	7 Sending messages	7.1 Producers and 7.4 Setting message delivery options <b>modified</b>
	4.6.1. Synchronous send		7.2 Synchronous send <b>modified</b>
	4.6.2. Asynchronous send		7.3 Asynchronous send <b>modified</b>
	4.7. Message delivery mode		7.7 Message delivery mode
	4.8. Message time-to-live		7.8 Message time-to-live
	4.9. Exceptions		Deleted
	4.10. Reliability	9 Other JMS facilities	9.1 Reliability
	4.11. Method inheritance across messaging domains		9.2 Method inheritance across messaging domains
	4.12. Delivery delay	7 Sending messages	7.9 Delivery delay
5 JMS point-to-point model	5.1 Overview (first part)	4 Messaging domains	4.1.1 Overview
	5.1 Overview (second part)		<b>deleted</b>
	5.2 Queue management	4 Messaging domains	4.1.2 Queue management
	5.3 Queue		4.1.3 Queue
	5.4 TemporaryQueue		4.1.4 TemporaryQueue
	5.5 QueueConnectionFactory	6 Connecting to a JMS provider	Merged in with 6.1 "Connections"
	5.6 QueueConnection		Merged in with 6.2 "Sessions"
	5.7 QueueSession		Merged with 6.2 "Sessions" (penultimate para)
	5.8 QueueReceiver		8.2.1 Behaviour of consumers on queues (mostly) and also 8.2.1 "Creating a consumer on a queue"
	5.9 QueueBrowser	4 Messaging domains	4.1.5 QueueBrowser
	5.10 QueueRequestor		4.1.6 QueueRequestor
	5.11 Reliability		4.1.7 Reliability
6 JMS publish/subscribe model	6 JMS publish/subscribe model		4.2 JMS publish/subscribe model
	6.1 Overview (first part)		4.2.1 Overview <b>modified</b>
	6.1 Overview (second part)		<b>deleted</b>

	6.2 Pub/sub latency		4.2.2 Pub/sub latency
	6.3 Durable subscriptions (para 1)		4.2.3 Topic subscriptions (para 6, modified)
	6.3 Durable subscriptions (para 2)		4.2.3 Topic subscriptions (paras 10,11,12, modified)
	6.3 Durable subscriptions (para 3)		4.2.9 Administering subscriptions (last para)
	6.3 Durable subscriptions (para 4)		4.2.4 Topic subscriptions ( last para)
	6.4 Topic management		4.2.5 Topic management
	6.5 Topic		4.2.6 Topic
	6.6 TemporaryTopic		4.2.7 TemporaryTopic
	6.7 TopicConnectionFactory	6 Connecting to a JMS provider	Merged in with 6.1 “Connections”
	6.8 TopicConnection		Merged in with 6.1 “Connections”
	6.9 TopicSession		Merged with 6.2 “Sessions” (last para)
	6.10 TopicPublisher		Merged in with 7.1 “Producers
	6.11 TopicSubscriber	4 Messaging domains	4.2.3 Topic subscriptions <b>modified</b>
	6.11.1 Unshared non-durable subscriptions	8 Receiving messages	8.3.1 Unshared non-durable subscriptions
	6.11.2 Shared non-durable subscriptions		8.3.2 Shared non-durable subscriptions
	6.11.3 Unshared durable subscriptions		8.3.3 Unshared durable subscriptions
	6.11.4 Shared durable subscriptions		8.3.4 Shared durable subscriptions
	6.12 Recovery and redelivery		4.2.8 Recovery and redelivery
	6.13 Administering subscriptions		4.2.9 Administering subscriptions (first two paras)
	6.14 TopicRequestor		4.2.10 TopicRequestor
	6.15 Reliability		4.2.11 Reliability
7 JMS Exceptions	7.1 Overview		10.1 Overview
	7.2 JMSEException and JMSRuntimeException		10.2 JMSEException and JMSRuntimeException
	7.3 Standard exceptions		10.3 Standard exceptions
8 Application server			11 JMS application

facilities			server facilities (slightly modified)
9 JMS Example code		14 Examples of the classic API	
10 Use of JMS API in Java EE applications		12 Use of JMS API in Java EE applications	Unchanged (omits domain-specific methods, could probably fix)
11 Simplified JMS API	11 Simplified JMS API		<b>Deleted</b>
	11.1 Goals of the simplified API	2. Architecture	2.8.1 Goals of the simplified API
	11.2.1 JMSContext		2.8.2 Key features of the simplified API
	11.2.2 Static constants for session mode		<b>Deleted</b>
	11.2.3 Creating messages		<b>Deleted</b>
	11.2.4 Sending messages	7 Sending messages	Merged in with 7.1 Producers, 7.4 Setting message delivery options, 7.6 Setting message headers, 7.5 Setting message properties, 7.10 JMSProducer method chaining
	11.2.5 Consuming messages	8 Receiving messages	Merged in with 8.1 Consumers
	11.2.5.1. Creating a JMSConsumer		<b>Deleted</b>
	11.2.5.2. Consuming messages asynchronously		<b>Deleted</b>
	11.2.5.3. Consuming messages synchronously		<b>Deleted</b>
	11.2.5.1. Consuming message bodies synchronously		8.3 Receiving message bodies synchronously
	11.2.6 Closing the JMSContext	6 Connecting to a JMS provider	Merged into 6.1.6 Closing a Connection
	11.2.7 Automatic start of message delivery		Merged into 6.1.4 Connection start

	11.2.8 Threading restrictions on a JMSContext		6.2.7 Threading restrictions on a JMSContext
	11.2.8 Exceptions		<b>Deleted</b>
	11.3 Injection of JMSContext objects	12 Use of JMS API in Java EE applications	12.4 Injection of JMSContext objects
	11.4 Examples using the simplified API	15 Examples of the simplified API	
12 Resource adapter	12 Resource adapter	13 Resource adapter	13 Resource adapter
A Issues	A.1 Resolved issues		<b>Deleted</b>
	A.2 Unresolved issues in the JMS 2.0 Early Draft		<b>Deleted</b>
B Change history	B.1 Version 1.0.1		<b>Deleted</b>
	B.2 Version 1.0.2		<b>Deleted</b>
	B.3 Version 1.0.2b		<b>Deleted</b>
	B.4 Version 1.1		<b>Deleted</b>
	B.5. Version 2.0	A Change history	A.1. Version 2.0