The following table lists the proposed Admin Console changes in order to support JBoss Messaging:

Change Area	Description	Primary Files Affected	Days of Work
List Destination	Fix getDestinationsByType() to return the correct list. Remove the "State" attribute since it's no longer availabl	listDestinations.jsp DestinationServiceImple.java DestinationState.java	0.5

View Destination	Make changes to access the new mbeans.
	
	Common attributes to be added:
	    DownCacheSize (int/RW)
	    FullSize (int/RW)
	    PageSize (int/RW)
	    CreatedProgrammatically (boolean/R)
	
	Queue specific attributes to be added:
	    MessageCount (int/R)
	
	Common attributes to be dropped:
	    InMemory
	    RedeliveryDelay
	    RedeliveryLimit
	    MaxDepth
	    MessageCounterHistoryDayLimit
	    ReceiversImplClass
	    DestinationManager
	    SecurityManager
	
	Queue specific attributes to be dropped:
	    QueueDepth
	    ScheduledMessageCount
	    ReceiversCount
	
	Topic specific attributes to be dropped:
	    DurableMessageCount
	    NondurableMessageCount
	    AllMessageCount
	
	Attributes remain unchanged:
	    Name
	    JNDIName
	    QueueName/TopicName
	    SecurityConfig
	
	Topic attributes still remain but need to be obtained usin
		detailDestination.jsp detailDestination2.jsp jmsmessages.properties jms/validation.xml
		
		DestinationForm.java Destination.java MBeanServerDestinationHelper.jav Constant.java
			5

	mbean operations:
	  AllSubscriptionCount (subscriptionCount())
	  DurableSubscriptionCount (subscriptionCount(tr
	  NondurableSubscriptionCount
	  (subscriptionCount(false))		

Create/Update Destination	Fix the velocity templates for queue/topic with the new s attributes. Verify if mbean-update template still works. Update code to supply the correct attribute & value pairs DeploymentServices' method calls.	jms-queue/template-config.xml jms-queue.xml.vm jmx-topic/template-config.xml jms-topic.xml.vm DeploymentServiceDestinationHel va	3

View Queue Data	Remove the following tabs:
	  Message Statistics
	  Receivers
	  Message Counter History
	
	Modify the "Messages" tab to invoke the listMessages() removeAllMessages() operations and display the results appropriately.
		viewMessageStatistics.jsp
		viewReceivers.jsp
		viewMessageStatistics.jsp
		viewMessages.jsp
		listDestinations.jsp
		jms/struts-config.xml
		jms/tiles-defs.xml
		MBeanServerDestinationHelper.jav
			3

View Topic Data	Add a "Messages" tab to invoke listMessageDurableSub listMessagesNonDurableSub() operations and display the results appropriately. Modify the "Subscriptions" tab to invoke the listSubscriptionsAxText() operations and display the durable/nondurable subscriptions appropriately.	viewMessages.jsp viewSubscriptions.jsp MBeanServerDestinationHelper.jav	2

View/Update JMS Attributes	Support of the following attributes from the Messaging mbeans is proposed. Please review and let me know if anything should be added or removed.
	
	jboss.messaging:service=ServerPeer
	  DefaultQueueJNDIContext (String/R)
	  DefaultSecurityConfig (org.w3c.dom.Element/R
	  DefaultTopicJNDIContext (String/R)
	  JMSProviderName (String/R)
	  JMSVersion (String/R)
	  MessageStore (ObjectName/RW)
	  ProviderVersion (String/R)
	  QueuedExecutorPoolSize (int/RW)
	  SecurityDomain (String/RW)
	  ServerPeerID (String/R)
		detailJms.jsp
		detailJms2.jsp
		detailJms3.jsp
		detailJms4.jsp
		jmsmessages.properties
		jms/validation.xml
		persistenceSql.properties
		
		JmsForm.java
		Jms.java
		MbeanServerJmsHelper.java
		DeploymentServiceJmsHelper.java
		Constant.java
			15

		jboss.messaging:service=PersistenceManager
		     CreateTablesOnStartup (boolean/RW)
		     DataSource (String/RW)
		     MaxParams (int/RW)
		     SqlProperties (String/RW)
		     TransactionManager (ObjectName/RW)
		     UsingBatchUpdates (boolean/RW)
		
		jboss.messaging:service=ChannelMapper
		     DataSource (String/RW)
		     SqlProperties (String/RW)
		     TransactionManager (ObjectName/RW)
		
		Note: Changing of server peer, persistent manager, and channel mapper will not be supported at this time.
		
		Incorporate the sqlProperties for MySql, Oracle, and Syb into the persistenceSql.properties file and support updati sqlProperties for these databases.
		
		Display appropriate message if JBoss Messaging is not available.		

Unit Test			Various	5
WebTest			DestinationQueueTest.java DestinationTopicTest.java DestinationTestCase.java JmsPageTest.java	5
Documentation			JBossMQ_use_cases.doc JBossMQ_elements.xls Queue_Topic_use_cases.doc queue_elements.xls topic_elements.xls JBossMQ_use_cases.pdf JBossMQ_elements.pdf Queue_Topic_use_cases.pdf queue_elements.pdf topic_elements.pdf	1

* The number of days required to make the changes are estimated based on the assumption that JBoss stays relatively stable. If further JBoss changes are introduced that affects the Console, the amount of time may increase.