

Groovy Messaging Service API

Content on this page is under development, check the following email thread for the time being: <http://www.nabble.com/Groovy-JMS-Category-td19861454.html>

Design Requirement

- API must be in Groovy-style
 - use typical Groovy syntax like with, each etc.
 - sounds like English language
- Follow JMS concept and keywords, but need to use exact name and API
- Simple and Easy to use
- Thread-safety
- JMS resource re-use and direct JMS usage
 - Allow provision of ConnectionFactory, Connection or Session for reuse.
 - Return sensible JMS resource for reuse or keeping reference

AS-IS, v0.1 release

- assumed to be start with a user provided JMS ConnectionFactory named "jms". In future release, this should not be required.

Type	JMS Usage (In Groovy Syntax with Static Type for clarity)	Proposed/Current API	Reference
Create Connection	Connection conn = jms.createConnection()	jms.connect()	v0.1
Create Session	Session session = conn.createSession(false, Session.AUTO_ACKNOWLEDGE)	jms.session() conn.session()	v0.1
Create Topic	Topic topic = session.createTopic("testTopic");	jms.topic("testTopic") conn.topic("testTopic") session.topic("testTopic")	v0.1
Subscribe to Topic	TopicSubscriber subscriber = session.createDurableSubscriber(topic, "sub-name") MessageListener listener = {Message m -> println m.text } as MessageListener subscriber.setMessageListener(listener)	topic.subscribe({} as MessageListener)	v0.1

Groovy SQL-style API

Content in this section is moved to [GroovyJMS Docs](#)

Proposed

- Create
 - jms.createQueue withName: "replyQueue"
 - Queue replyQueue = jms.createQueue("replyQueue")
- Topic subscription
 - jms.subscribeTo topic/ subscribe toTopic: "greeting", withListener/with:{ Message m -> println "hey i got a message. it says, \\${m.text}" }
 - jms.subscribeToTopic: "greeting", onMessage:{ Message msg -> println "hey i got a message. it says, \\${m.text}" }
 - jms.subscribe("greeting"){ println "hey i got a message. it says, \\${m.text}" }
 - jms.subscribe("greeting") { println "hey i got a message. it says, \\${m.text}" }

