

JMS 2 (sequel)

Architecture and demo

Igor Pavlin

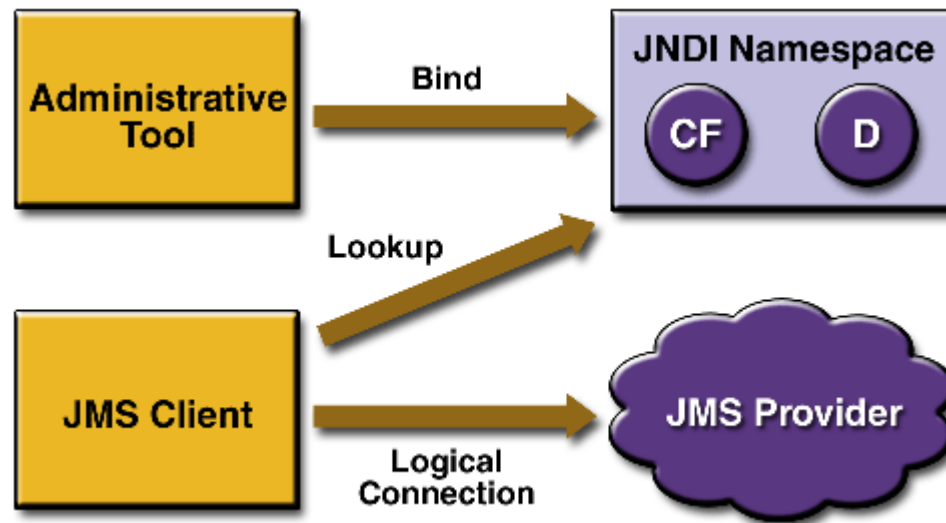
June 3, 2005



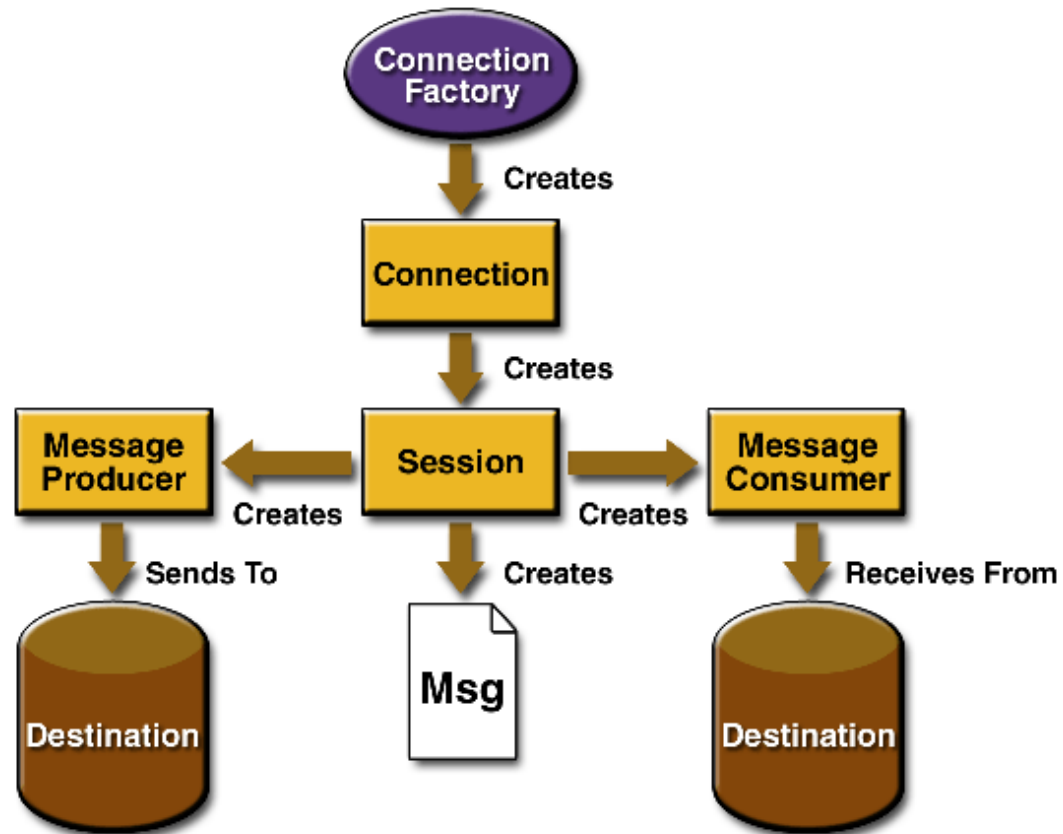
JMS 1 recap

- JMS provider: JBossMQ (JMS 1.1)
- JMS domains:
 - 1-1 point to point (asynchronous)
 - 1-n publish subscribe (synchronous)
- Durable subscriptions
- Message driven beans

JMS API Architecture



The JMS API Programming Model





Preview

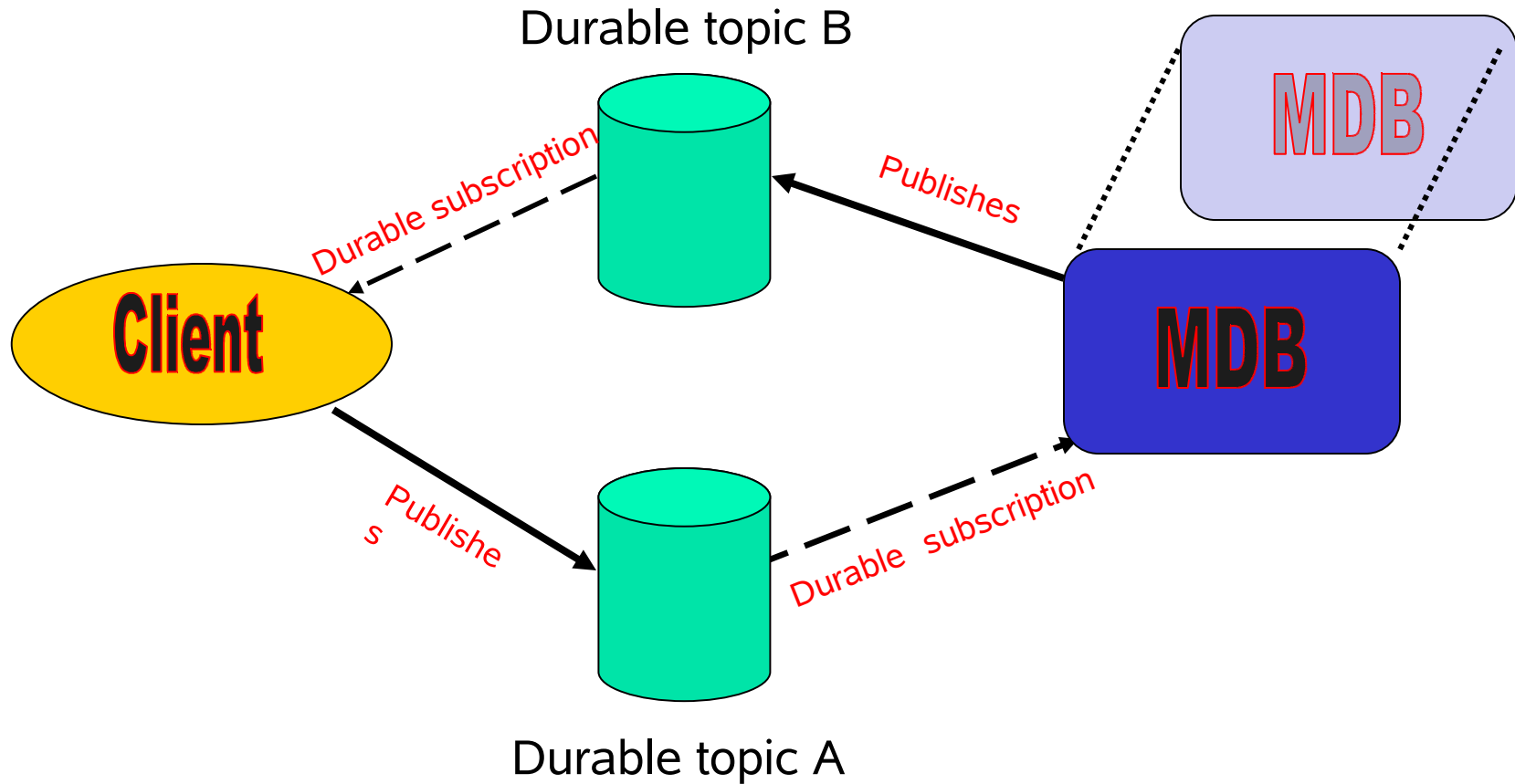
- Build and debug JBoss 4.0.1
 - Use of console to inspect messaging
- Simple queue demo
 - Synchronization in single client
- Simple topic demo
- Durable topic demo
 - Authenticated topic connection



Message Driven Bean Demo

- Use of multiple durable custom topics
 - Queue scenario
 - Topic scenario
- Authentication of bean and client
- Declarative connections and security

MDBs with two durable topics





Preview of next sequel

- Remote invocation
- Database support
- Distributed invocation
- Implement Tony's JobControlService using MDBs and remote clients



References

- <http://www.jboss.org>
 - JBoss AS 4.0.2 admin guide
 - JBoss 4.0.1 API documentation
- Igor's source code