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How does a Queue compare to a Topic

1-2 minutos

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Topics

In JMS a Topic implements *publish and subscribe* semantics. When you publish a message it goes to all the subscribers who are interested - so zero to many subscribers will receive a copy of the message. Only subscribers who had an active subscription at the time the broker receives the message will get a copy of the message.

Queues

A JMS Queue implements *load balancer* semantics. A single message will be received by exactly one consumer. If there are no consumers available at the time the message is sent it will be kept until a consumer is available that can process the message. If a consumer receives a message and does not acknowledge it before closing then the message will be redelivered to another consumer. A queue can have many consumers with messages *load balanced* across the available consumers.

So Queues implement a reliable load balancer in JMS.