



Message Delivery Modes

JMS supports PERSISTENT and NON_PERSISTENT delivery modes for both topics and queues. EMS extends JMS delivery modes to include RELIABLE_DELIVERY.

- **NON_PERSISTENT** - JMS provider is not required to store the message or otherwise guarantee that it is not lost if the provider fails
 - **PERSISTENT** - guaranteed not to be lost due to the JMS provider failure
 - Persistent message sent to a queue, a topic with durable subscriber or subscriber with a fault-tolerant connection must be stored to stable storage (Store)
- EMS Server can write persistent messages asynchronously or synchronously. When Store is configured with **mode=sync** (failsafe mode), the message is written to the store using unbuffered I/O and then acknowledged to the producing client. This increases reliability in case of server failure.
- **RELIABLE_DELIVERY** avoids acknowledgements to producers. This potentially increases throughput, but without the possibility of reporting service trouble to the producing client.