**MQ**

* MQ is a managed message borker service for ActiveMQ that makes it easy to set up and operate message brokers in the cloud, sou you can migrate your messaging and applications without rewriting code
* MQ supports industry-standard APIs and protocols so you can migrate messaging and applications without rewriting code
* MQ provides cost-efficient and flexible messaging capacity – you pay for broker instance and storage as you go
* MQ manages the administration and maintenance of ActiveMQ brokers and automatically provisions infrastructure for HA
* With MQ you can use the AWS Management Console, CF, CLI, or simple API calls to launch production-ready message broker in minutes
* It’s a managed implementation of Apache ActiveMQ
* Fully managed and HA within a region
* MQ stores your messages redundantly across multiple Azs
* Active/standby brokers are designed for HA. In the event of a failure of the broker, or even a full AZ outage, MQ automatically fails over to the standby broker so you can continue sending and receiving messages
* MQ API and support for JMS, NMS, MSQQ and WebSockets
* **Designed as a drop-in replacement for on-premise message brokers**
* Use SQS if you’re creating a new application from scratch
* **Use MQ if you want easy low-hassle path to migrate existing message brokers to AWS**
* MQ provides encryption of your messages at rest and in transit
* It’s easy to ensure that your messages are securely stored in an encrypted format. Connections to the broker use SSL, and access can be restricted to a private endpiont within your VPC, which allows you to isolate your broker in your own virtual network
* You can configure security groups to control network access to your broker
* MQ is integrated with CW and CT. With CW you can monitor metrics on your brokers, queues and topics
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