#SQS: standard Queues:

Decouple applications

Default retention of message: 4days, maximum of 14days

Low latency

Limitation of 256KB per message sent

Can have duplicate message

!!SQS Standard : Unlimited throughput

#SQS with Auto Scaling Group

#SQS Queue Access Policy

#SQS message visibility timeout ( 可见性超时)

A picture containing timeline

Description automatically generated

If a consumer needs more time to process a message, call the ChangeMessage Visibility API

#Amazon SQS – Dead Letter Queue（DLQ）

After the maximum receives threshold is exceeded the message goes into a dead letter queue

Useful for debugging

#SQS – Request Response System

How do you implement the request -response system? \_\_there is a client called SQS temporary queue client.

#SQS -Delay Queue

#SQS – FIFO Queue

#SQS Auto Scaling Group (ASG)

Graphical user interface, text, application

Description automatically generated

#Amazon SNS:

SNS fanout pattern

#Kinesis

AWS destination

Amazon S3

Amazon Redshift

Amazon ElasticSearch

Data Streams vs firehose

Graphical user interface, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

#Amazon MQ = managed Apache ActiveMQ

Exam: to migrate application from on-premises(就地部署) to the cloud without rearchitecting it, and that application is using some standard protocols, application using some standard protocol, such as MQTT or MQP, amazon MQ will be the answer.