A message ~~queue~~ service.

EC2 needs to pull. { You can autoscale to increment EC2 }

Pull based system.
Limits : 256 KB
         2GB

Visibility Timeout: Amount of time that the message is invisible in SQS

"Decoupling the interface"

30 secs
12 hours : MAX

Types:
1. Standard Queue: At least 1. Best effort Ordering.
2. FiFO: Exactly One Order preserved. (250 TPS)

SQS Delay Queue: Postpone delivery of the messages

For Standard: Only affects new messages
FiFo: affects already messages

Large message could be stored in S3
must use Java. SDK!

SQS

SHORT-POLLING
- Returns a response immediately even if the empty message being polled is empty
- This can result in a lot of empty responses if nothing is in the queue
- You will still pay for these responses

LONG POLLING
- Periodically polls the queue
- Does not return a response until a message arrives in the message queue or the long poll times out
- Can save money
- Preferable to short polling.

PULL BASED SYSTEM.
SYSTEM MUST MARK THE MESSAGE PROCESSED.

FIFO
- First-in-first-out message order os strictly preserved
- Message are delivered once
- No duplicates
- Good for banking transactions wich need to happen in a strict order

STANDARD
- Best-effort ordering
- Message delivered at least once.
- Ocassional duplicates
- The default queue type