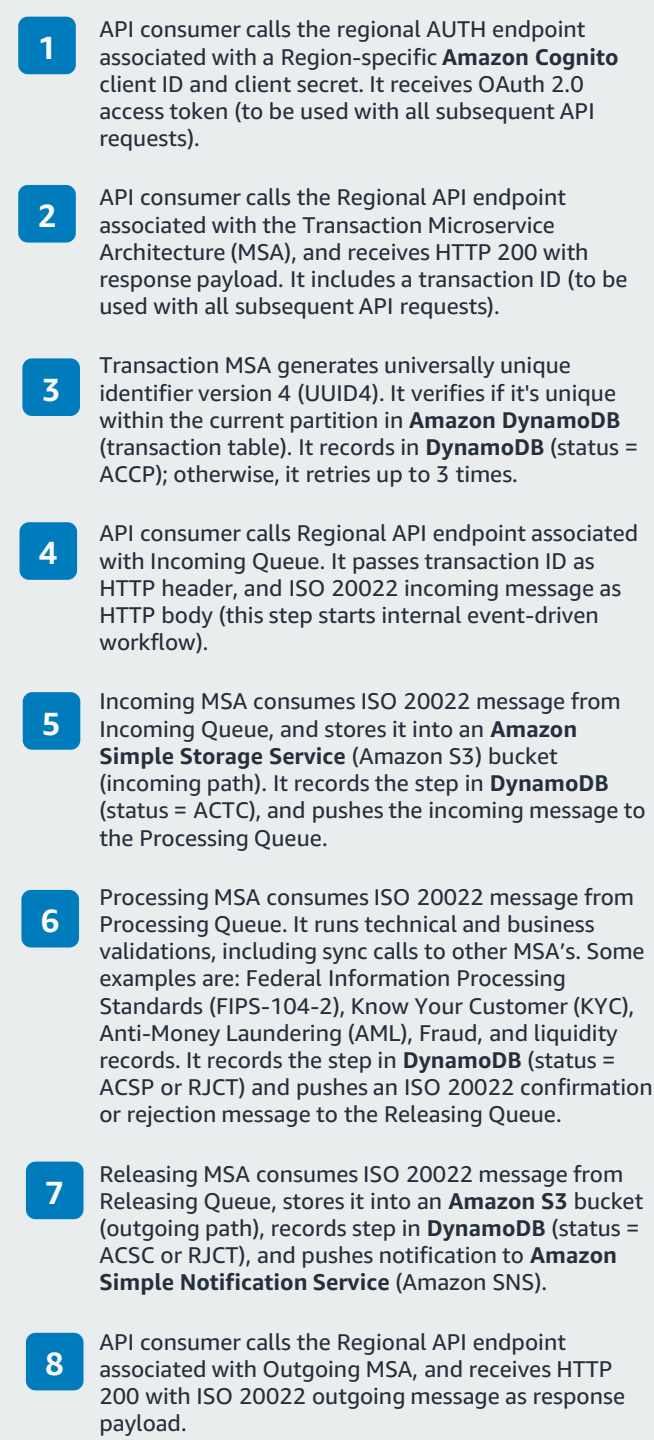
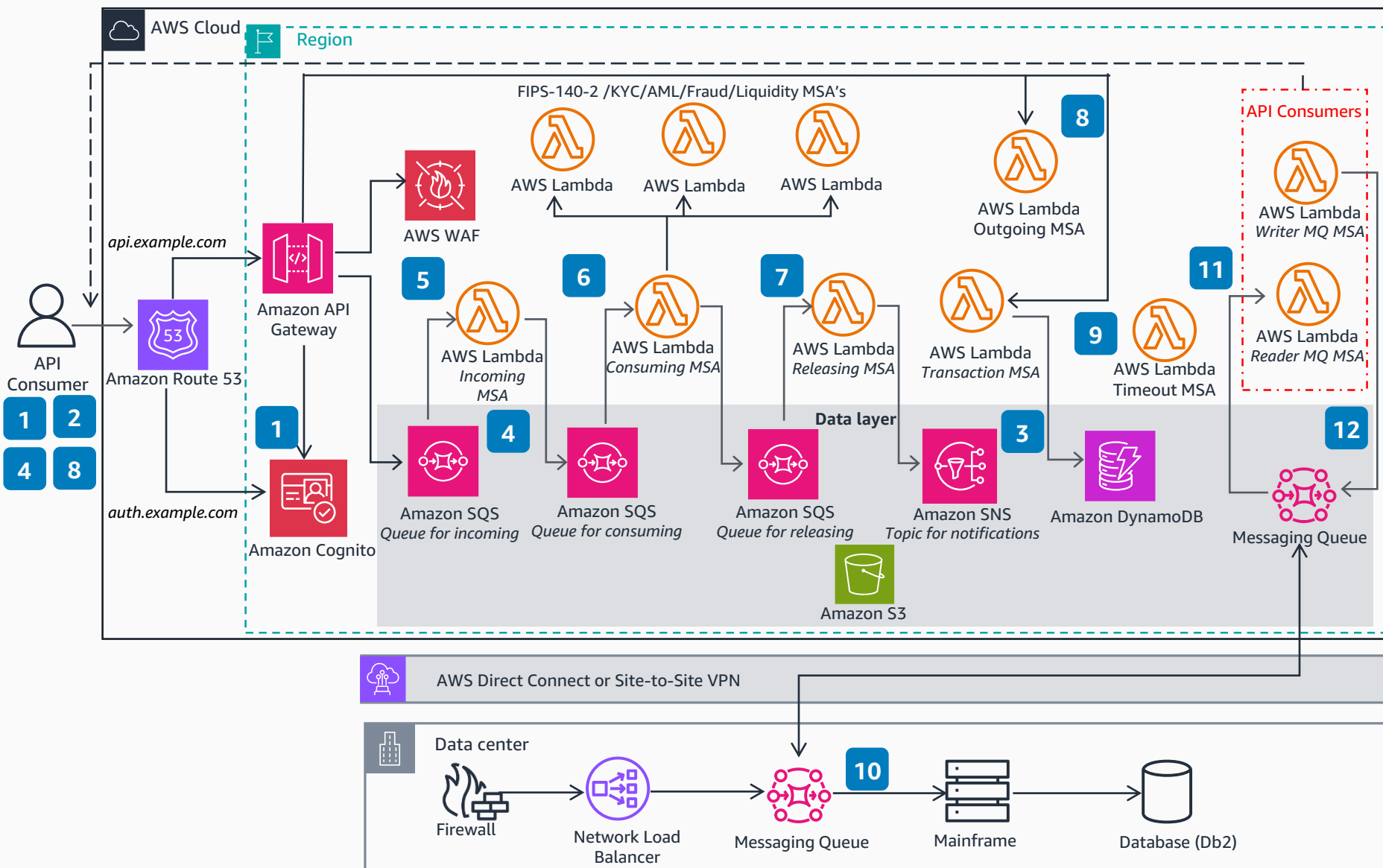


This architecture presents a way to receive, consume, and release ISO 2002 payment messages within a single AWS Region.



Guidance for ISO 20022 Messaging Workflows on AWS

This architecture presents a way to receive, consume, and release ISO 2002 payment messages within a single AWS Region.



- 9** Timeout MSA invokes every 15 seconds to retrieve any transaction that exceeds service level agreement (SLA). It generates rejection ISO 20022 message, stores it in **Amazon S3** (outgoing path), and records new step in **DynamoDB** (status = RJCT).
- 10** OPTIONALLY, for on-premises downstream systems leveraging existing messaging capabilities (for example IBM MQ, or Kafka), deploy the same tool in the AWS Cloud and use the native replication between on-premises and the Cloud.
- 11** Messaging Queue (MQ) Reader MSA consumes messages from cloud-based MQ and submits them to the Incoming API (see the preceding Steps 1 through 5).
- 12** MQ Writer MSA consumes messages from Outgoing API, and pushes them to cloud based MQ (see the preceding Steps 1, 2, and 9).

