Reminders

- Delete your messages after receiving them
- If you see a lot of duplicates, verify that you're really deleting the messages
- When the application starts, use GetQueueUrl to ensure that a queue exists
- Get the ApproximateNumberOfMessages attribute to determine if a queue is empty
- Wait 60 seconds after deleting a queue before creating a new queue with same name
- Visibility timeout is in seconds, not milliseconds

WSDL: http://queue.amazonaws.com/doc/2011-10-01/QueueService.wsdl

Allowed Unicode characters in message:
#x9 | #xA | #xD | [#x20 to #xD7FF] | [#xE000 to #xFFFD] | [#x10000 to #x10FFFF]

Operations

CreateQueue
Request includes:
- QueueName (80 chars max, hyphens and underscores allowed)
- Attribute.n.Name
- Attribute.n.Value

Response includes:
- QueueURL element

ListQueues
Request includes:
- QueueNamePrefix (80 chars max) — optional

Response includes:
- Zero or more QueueURL elements

DeleteQueue
Request includes:
- Queue name as part of request endpoint

Response includes:
- Nothing besides basic response information

GetQueueUrl
Request includes:
- QueueName
- QueueOwnerAWSAccountId

Response includes:
- QueueUrl

GetQueueAttributes
Request includes:
- AttributeName
  (valid values: All | CreatedTimestamp | LastModifiedTimestamp | Policy | ApproximateNumberOfMessagesNotVisible | ApproximateNumberOfMessages | ApproximateNumberOfMessagesDelayed | VisibilityTimeout | DelaySeconds | MaximumMessageSize | MessageRetentionPeriod)

Response includes:
- Attribute element

SetQueueAttributes
Request includes:
- Attribute.Name
  (valid values: VisibilityTimeout | Policy | MaximumMessageSize | MessageRetentionPeriod)
- Attribute.Value

Response includes:
- Nothing besides basic response information

SendMessage
Request includes:
- MessageBody (max 64 KiB)
- DelaySeconds (in seconds, max 900 seconds) – optional

Response includes:
- MD5OfMessageBody
- MessageId

SendMessageBatch
Request includes up to ten entries, each of which contains:
- Id
- MessageBody (max 64 KiB)
- DelaySeconds (in seconds, max 900 seconds) – optional

Response includes:
- Id
- MD5OfMessageBody
- MessageId

Operations

ReceiveMessage
Request includes:
- MaxNumberOfMessages (max 10) — optional
- VisibilityTimeout (in seconds, max 7200 seconds) — optional
- AttributeName
  (valid values: All | ApproximateReceiveCount |
  ApproximateFirstReceiveTimestamp | SenderId | SentTimestamp)

Response includes:
- Message element, containing Body, MD5OfBody, MessageId, and ReceiptHandle

DeleteMessage
Request includes:
- ReceiptHandle

Response includes:
- Nothing besides basic response information

DeleteMessageBatch
Request includes up to ten entries, each of which contains:
- Id (max 10)
- ReceiptHandle (max 10)

Response includes:
- Nothing besides basic response information

ChangeMessageVisibility
Request includes:
- ReceiptHandle
- VisibilityTimeout (Integer from 0 to 43200 (maximum 12 hours))

Response includes:
- Nothing besides basic response information

ChangeMessageVisibilityBatch
Request includes up to ten entries, each of which contains:
- Id
- ReceiptHandle
- VisibilityTimeout (Integer from 0 to 43200 (maximum 12 hours)

Response includes:
- Nothing besides basic response information

AddPermission
Request includes:
- Label (80 chars max, hyphens and underscores allowed)
- AWSAccountId (Valid 12-digit AWS account number, without hyphens)
- ActionName
  (valid values: * | SendMessage | ReceiveMessage | DeleteMessage |
  ChangeMessageVisibility | GetQueueAttributes)

Response includes:
- Nothing besides basic response information

RemovePermission
Request includes:
- Label

Response includes:
- Nothing besides basic response information