



Amazon Simple Queue Service (Version 2012-11-05)

Quick Reference Card (page 1)

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/2012-11-05/QueueService.wsdl>

Allowed Unicode characters in message:

#x9 | #xA | #xD | [#x20 to #xD7FF] | [#xE000 to #xFFFF] | [#x10000 to #x10FFFF]

GetQueueUrl

Request includes:

- QueueName
- QueueOwnerAWSAccountId

Response includes:

- QueueUrl

GetQueueAttributes

Request includes:

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

Response includes:

- Attribute element

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

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



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Quick Reference Card (page 2)

Operations

ReceiveMessage

Request includes:

- MaxNumberOfMessages (max 10) — optional
- VisibilityTimeout (in seconds, max 7200 seconds) — optional
- AttributeName
(valid values: All | ApproximateReceiveCount | WaitTimeSeconds
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