The worker begins a connection with the QueueStorage and dequeues a message. QueueStorage marks the message as dequeued and makes it invisible. Then it forwards the message to the worker.

The worker processes the message and updates some data persisted in the BlobStorage.

The worker notifies the QueueStorage the message has been successfully processed and should be deleted. QueueStorage deletes the message.

The worker begins a connection with the QueueStorage and dequeues a message. QueueStorage marks the message as dequeued and makes it invisible. Then it forwards the message to the worker.

The worker dies or is shut down before making any update on the BlobStorage.

QueueStorage deletes the message.

The worker begins a connection with the QueueStorage and dequeues a message. QueueStorage marks the message as dequeued and makes it invisible. Then it forwards the message to the worker.

The worker updates the BlobStorage but dies before notifying the QueueStorage that the message has been processed.

Another worker gets the message and correctly processes it.

After a fixed invisibility timespan, the message respawns and is requeued in the appropriate queue. Another worker gets the message and updates a second time the BlobStorage.

Timeline

Scenario 1
The worker begins a connection with the QueueStorage and dequeues a message.
QueueStorage marks the message as dequeued and makes it invisible. Then it forwards the message to the worker.
The worker processes the message and updates some data persisted in the BlobStorage.
The worker notifies the QueueStorage the message has been successfully processed and should be deleted.
QueueStorage deletes the message.

Scenario 2
The worker begins a connection with the QueueStorage and dequeues a message.
QueueStorage marks the message as dequeued and makes it invisible. Then it forwards the message to the worker.
The worker dies or is shut down before making any update on the BlobStorage.

Scenario 3
The worker begins a connection with the QueueStorage and dequeues a message.
QueueStorage marks the message as dequeued and makes it invisible. Then it forwards the message to the worker.

The worker updates the BlobStorage but dies before notifying the QueueStorage that the message has been processed.

After a fixed invisibility timespan, the message respawns and is requeued in the appropriate queue. Another worker gets the message and updates a second time the BlobStorage.