# Infrastructure - Task #8079

Story # 8061 (New): develop queue-based processing system for the CN

## prototype durable task processing for d1_index_processor

2017-04-24 22:29 - Rob Nahf

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|---|---|---|---|
| **Status:** | In Progress | **Start date:** | 2017-04-24 |
| **Priority:** | Normal | **Due date:** | |
| **Assignee:** | Rob Nahf | **% Done:** | 30% |
| **Category:** | d1_indexer | **Estimated time:** | 0.00 hour |
| **Target version:** | | | |
| **Milestone:** | None | **Story Points:** | |
| **Product Version:** | * | | |

### Description

The requirement is publisher confirmation when submitting task to a queue, and consumer acknowledgements when pulling from a queue.  Don't acknowledge consumption until you get publisher confirmation from the outputQueue, or else you risk dropping the task.

It would be good to generalize this pattern to isolate the safe-hand off, but RabbitMQ Java client makes it a bit tricky, since it implements consumers as callbacks - methods that are called under the hood when a message is consumed.

### History

**#1 - 2017-04-26 04:59 - Rob Nahf**

https://raw.githubusercontent.com/rabbitmq/rabbitmq-perf-test/master/src/main/java/com/rabbitmq/examples/ConfirmDontLoseMessages.java

**#2 - 2017-04-26 05:45 - Rob Nahf**

*- Status changed from New to In Progress*

*- % Done changed from 0 to 30*