

## 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

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

#### 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