Saga Configuration

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Overview

The saga controls the process, it handles the steps in the queue and instructs the system to perform the next step. The saga runs the steps in the process through predefined business logic configured in the saga.yaml file. You can define a saga each for a different workspace. You can change the steps in the saga, but not the entire saga.

Saga steps

1. Validation: The system validates that a request is not a repeating request.
2. Business process: The system runs the steps in the process in an order, and after each process ends it moves to the next step to be performed.
3. Audit log: The system adds the results of each step to the Audit log.
4. Move to next queue: The system continues to the next queue after getting a message from the saga.

Configuration

You can define the process steps in saga with the following saga.yaml config file.

Template

```
kind: document
metadata:
 name: extraction/v1/documents/saga
spec:
 steps:
 - name: IDE Extraction
   version: 400
   queueName: ide-extraction
   queueDelaySeconds: 0
   onSuccess: IDE Publisher
   onFailure: IDE Extraction Completed

 - name: IDE Publisher
   version: 500
   queueName: ide-publisher
   queueDelaySeconds: 0
   onSuccess: null
   onFailure: null

 - name: IDE Extraction Completed
   version: 600
   queueName: ide-extractioncompleted
   queueDelaySeconds: 0
   onSuccess: null
   onFailure: null
```

Parameter	Description
Name	The step name.
Version	The step order number.

Parameter	Description
queueName	The message bus queue from which the steps are performed.
queueDelaySeconds	The delay on which each step is performed in the process.
onSucess onFailure	The step to be performed after the current step success and failure. If the next step is null then it is the last step of the saga, or the system is instructed to skip the next steps.

For example, in the above template:

```
- name: IDE Extraction
  version: 400
  queueName: ide-extraction
  queueDelaySeconds: 0
  onSuccess: IDE Publisher
  onFailure: IDE Extraction Completed
```

If the IDE Extraction is successful, then the IDE Publisher is performed, and on failure the IDE Extraction Completed is performed.