

Alya - Task #27147

Fix stuck in progress jobs due to missing processor

29/04/2025 11:40 PM - Sachin Divekar

Status:	Closed	Start date:	29/04/2025
Priority:	Normal	Due date:	
Assignee:	Sachin Divekar	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
Alya batch job rows (batchrows) can get stuck in the inprog status indefinitely. This happens when a JobManager worker picks up a job but doesn't have the processor function registered locally for the job's app+op. The current error handling logs the issue but doesn't update the status, blocking the entire batch from completing.			

Associated revisions

Revision 625c1b73 - 30/04/2025 10:57 AM - Sachin Divekar

Prevent jobs from getting stuck in 'inprog' status due to missing processors #27147

Jobs in the Alya Jobs package would get stuck in the 'inprog' status when a worker picked up a job row but didn't have the processor function registered for that app and operation.

Changes:

- Added custom error types (ProcessorNotFoundError, ConfigurationError) to better identify and handle missing processor scenarios
- Implemented handleProcessingError function to categorize errors and apply appropriate handling strategies
- Added SQL queries to batch.sql for batch-updating rows by app and app+op
- Used sqlc-generated code for database operations instead of direct SQL queries
- Fixed error implementation to properly handle error cases via errors.As
- Included detailed error messages in the failed rows for easier debugging
- Added unit and integration tests to verify error handling behavior

Refactoring:

- Extracted single iteration of the job processing loop into RunOneIteration
- Added context aware methods RunWithContext and RunOneIterationWithContext

History

#1 - 08/05/2025 07:17 PM - Sachin Divekar

- % Done changed from 0 to 100
- Status changed from New to In Progress

#2 - 08/05/2025 07:17 PM - Sachin Divekar

- Status changed from In Progress to Closed