

# SLSP



## How low can you go? Exploring the Library Open Workflows as a low-code solution

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# Agenda

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- 2 Knowledge vs. effort
- 3 Lowering the barrier
- 4 Thoughts on managing the low-code environment
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# Introduction

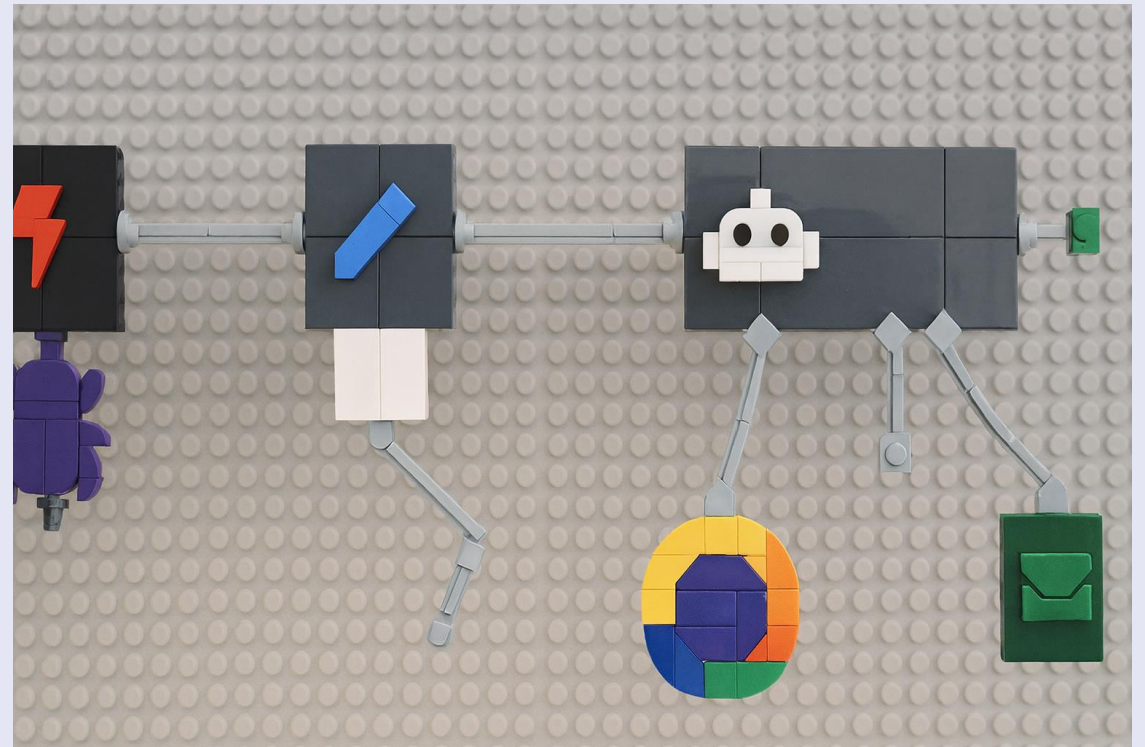
## Low-code development

Streamlined approach to building complex workflows and automating tasks without extensive coding knowledge.

The low code infrastructure allows users to create workflows visually, leveraging preconfigured nodes.

## Workflow

A series of data adjusted / filtered by multiple processes to fulfil a certain task.



# Knowledge vs. effort

## **Coding skills / experience does help**

Having a developer mindset is necessary, but it is not necessary to be a software engineer to create a workflow.

## **Existing script ≠ workflow**

Having the existing script speeds up the initial concept for the workflow, but not necessarily it's development.

## **Low-code ≠ low effort**

The experience is like learning a new programming language.

## **Steep learning curve**

At the beginning, it is difficult to understand the functionality and usage of each node and which node to choose for the intended action.



# Lowering the barrier

## Easier access to Alma / Primo API

The Alma / Primo nodes make it very easy use the API.

## Users with lower coding skills using API

There is no limit to which nodes one can use. The limit is only the API key.

## Testing in Sandbox desirable

API keys for Alma can be set for Sandbox only.

The screenshot shows the configuration interface for the 'Check on job instance' step. It includes a dark-themed header with the step name and an 'Execute step' button. Below the header are tabs for 'Parameters' and 'Settings', with 'Parameters' selected. The main area contains several dropdown menus: 'Credential to connect with' (set to 'NETWORK - PROD - Library Open Workflows'), 'Area' (set to 'Configuration and Administration'), 'Resource' (set to 'Job'), and 'Operation' (set to 'Retrieve Job Instance Details'). A yellow callout box contains the text 'See more information about this API operation [here](#).' Below the dropdowns are two text input fields for 'Job ID' and 'Instance ID', both containing JEXL expressions: `{{ $('Start job: auth export').item.json.id }}` and `{{ $('Extract InstanceID').item.json.instanceId }}` respectively. A 'Docs' link is visible in the top right corner.



# Final thoughts on managing the low-code environment

## General API key concept

Who can get API key?

What areas can the user get access to? Read / write access?

API key per app / user?

## Controlled access

Who can use LibOW?

Who will be the admin?

## LibOW concept

API key distribution?

Sandbox use?

Who approves a workflow for productive use?

## Workshops & training

Who will train LibOW?

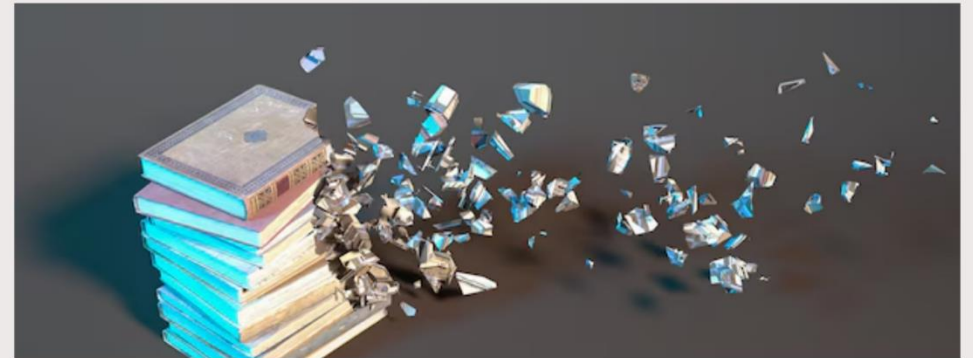
What training is required?

CURRENT

LIBRARY NEWS

### Records Vanish: System Error?

Millions of entries disappeared overnight, shocking library automation experts nationwide.



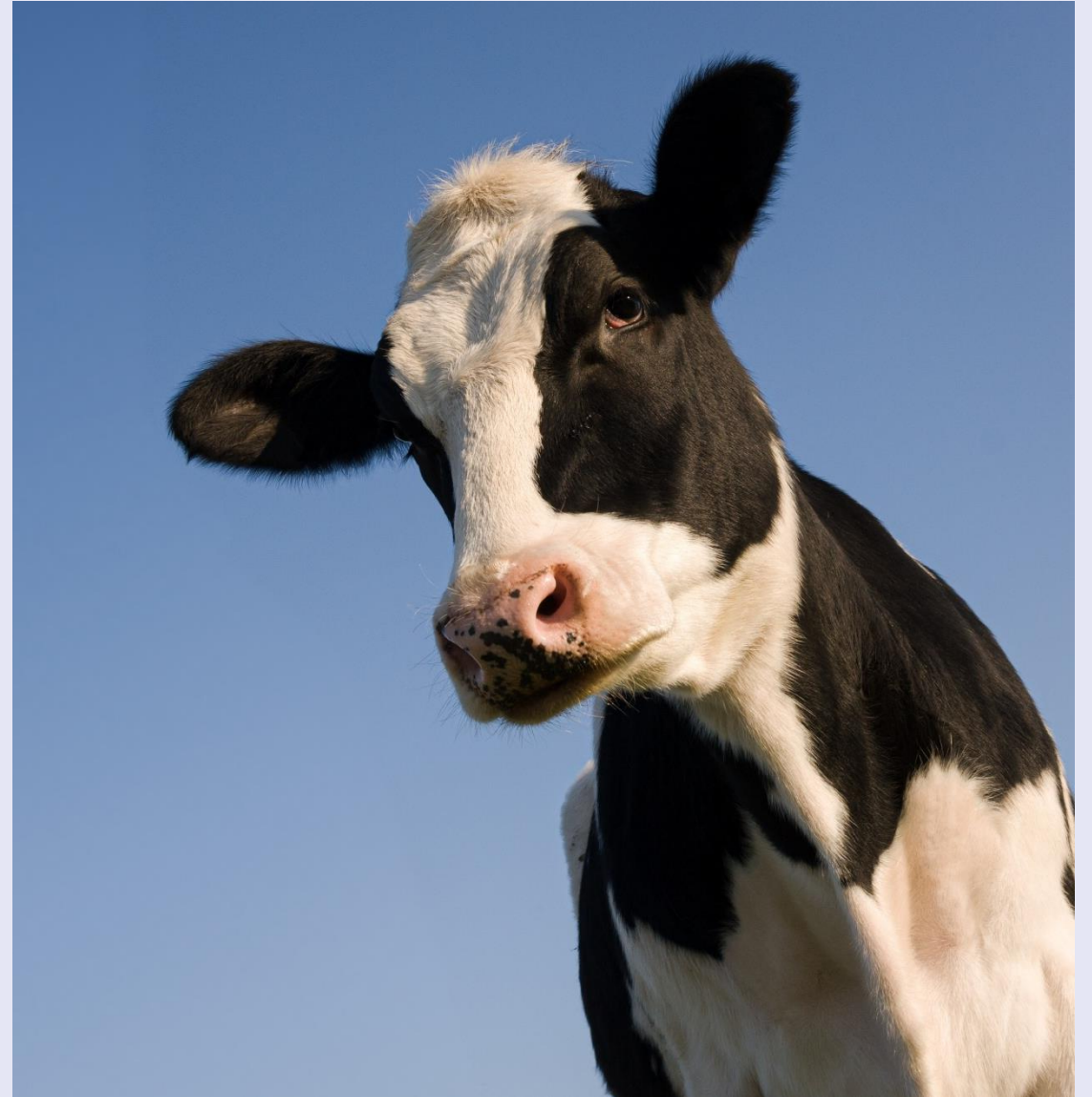
# Opportunities

- Better reusability of internal scripts
- Connect data from multiple platforms
- Automating of personal or team workflows
- Add functionality to Alma / Primo



# What's next?

- LibOW not yet ready for SLSP topology and consortial environment

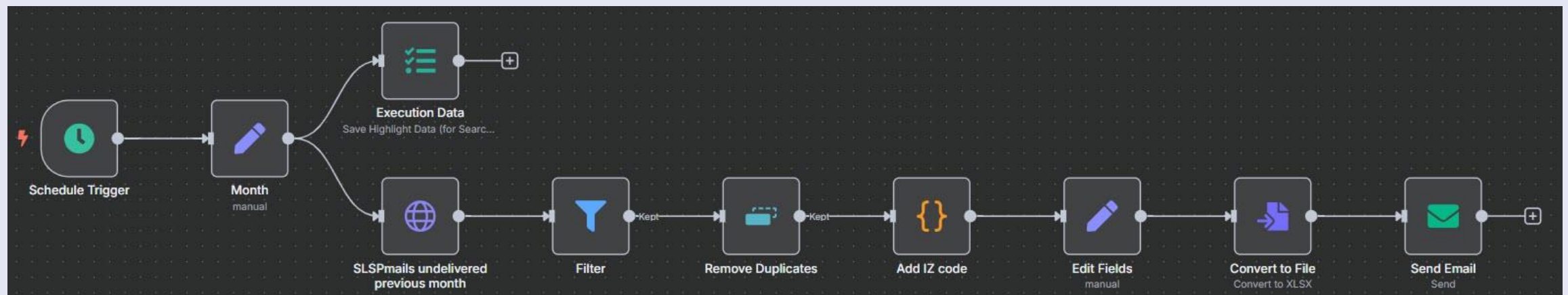


# Workflow examples



# Undelivered Saved Search e-mails

- Runs at a given day and time
- Extracts the date of the previous month in year-month format
- Connects to our e-mail server log and downloads undelivered e-mails for that date
- Filters undelivered e-mails by Subject
- Adds IZ code
- Saves the metadata to an Excel File
- Sends the file as an attachment to an operator via e-mail



# Check inventory in IZs

- Processes a csv file uploaded by a user in the Alma LibOW Cloud App
- Calls the Alma SRU with the MMS IDs from the file
- Retrieves the inventory information from the SRU response
- Creates an Excel file with the results
- Starts the download of the file in the browser
- Sends the file to the user via an e-mail

Back to App List

Library Open Workflows

UPLOAD MMS IDS

Home

### Upload MMS IDs

Please upload the file as single column CSV with a header MMSID.

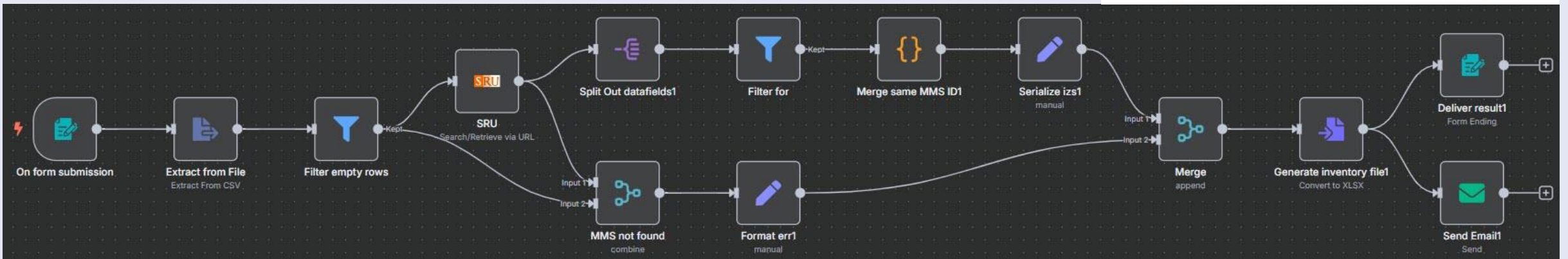
Upload the CSV file \*

Choose file No file chosen

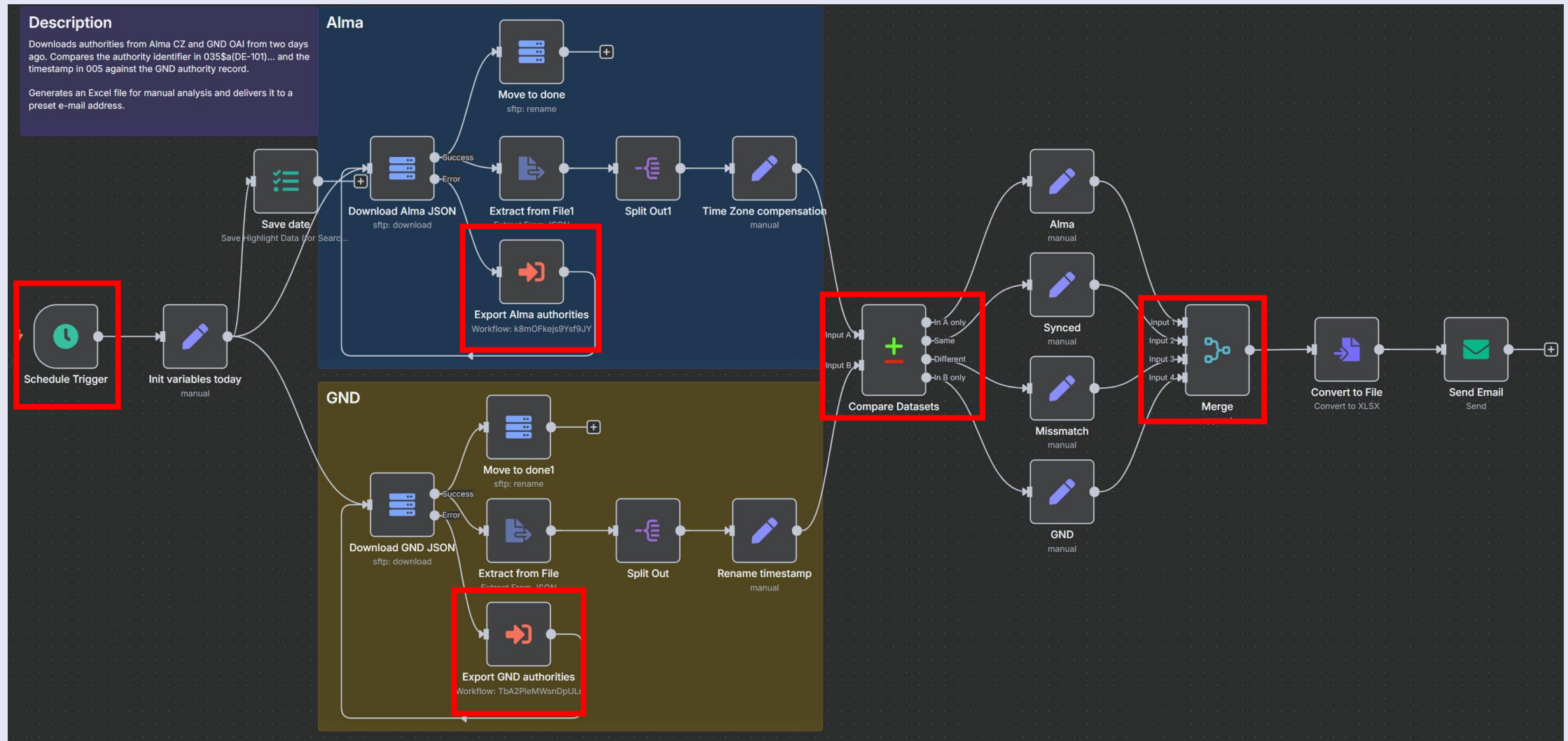
Where to send the erroneous MMS IDs? \*

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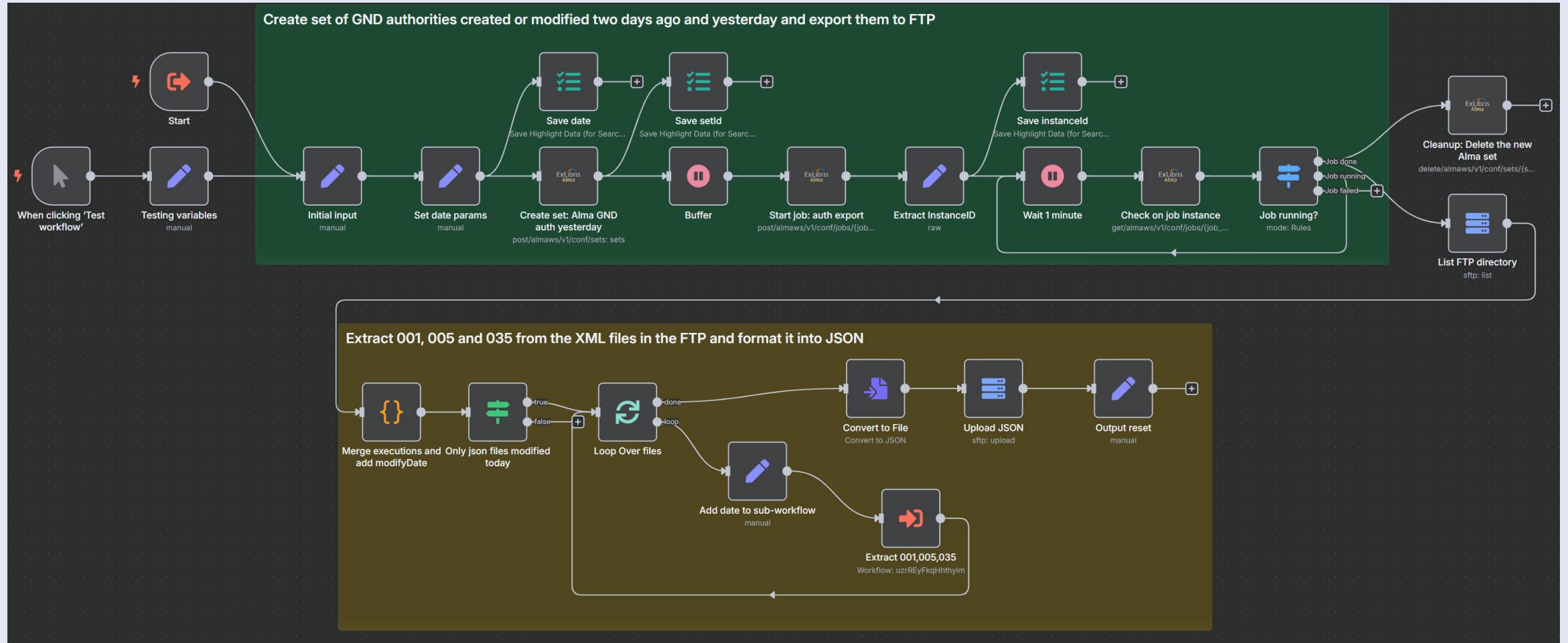
Submit



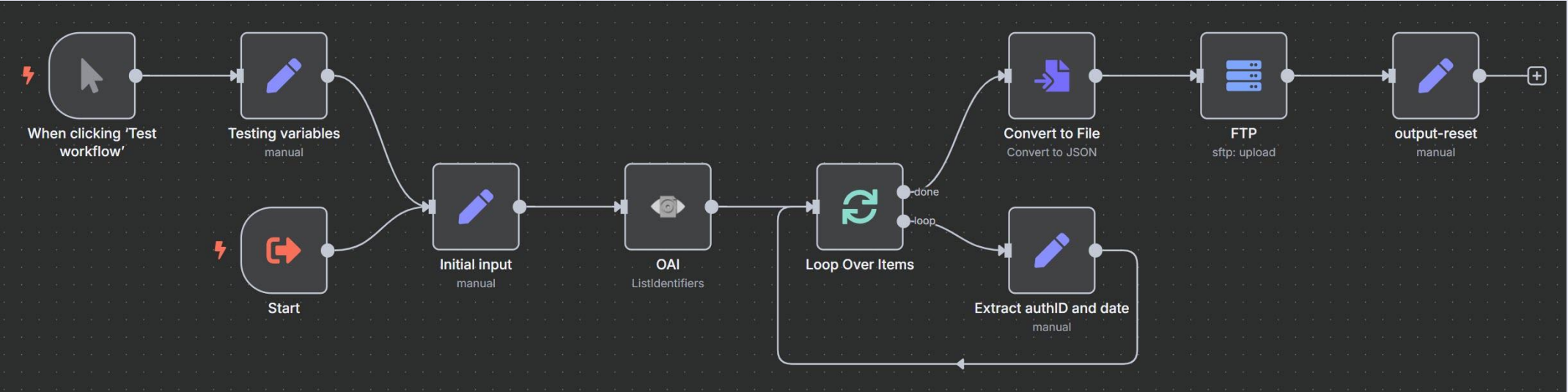
# Compare GND authority timestamps



# Compare GND authority timestamps - Alma

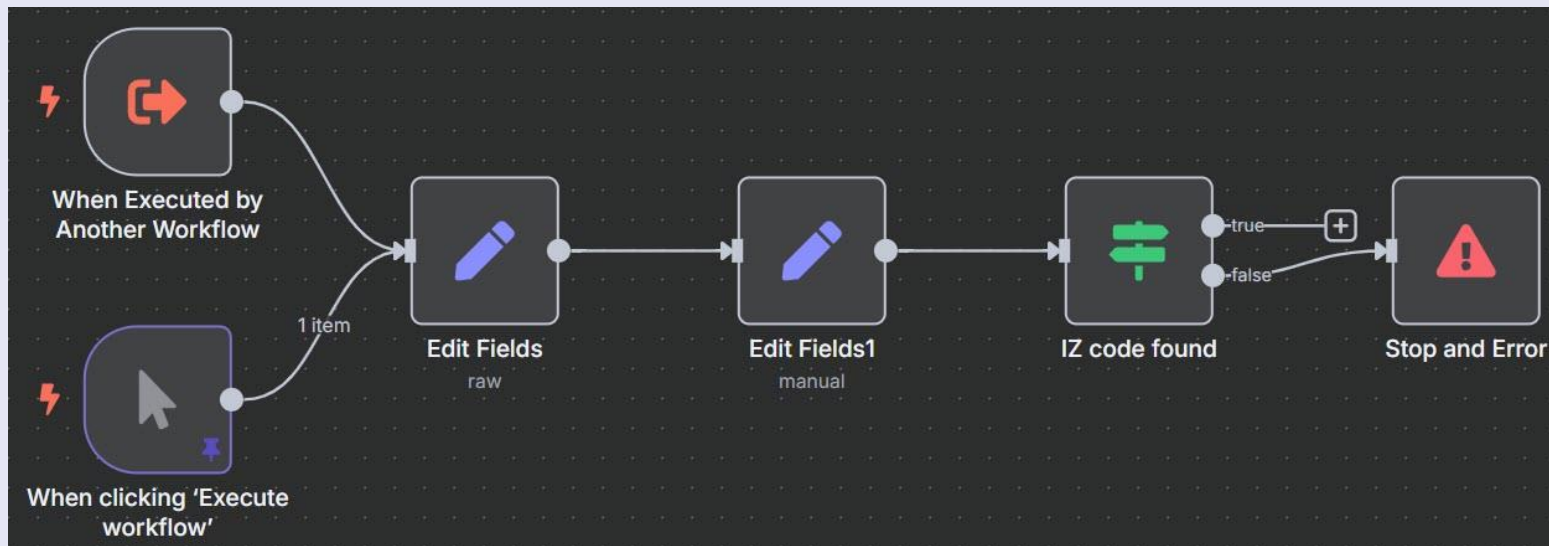


# Compare GND authority timestamps - GND



# Get IZCode

- Starts when called from a workflow with an input
- Initializes list of IZs and their possible codes / abbreviations (5501 or NETWORK or 41SLSP\_NETWORK)
- Returns the IZ code in format 41SLSP\_NETWORK
- Or gives an error if input is not recognized



# Thank you!

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