

Generate State Workflow

Overview

User Code: `com.finmars.standard-workflow:generate-state`

This script is designed to generate state files for state managers. It processes input data to create a structured state file that includes information about workers and their respective states.

Workflow Function

The main `workflow` function is a task that generates the state file based on the provided payload.

Parameters:

- `payload`: A dictionary containing the necessary information for state generation.

Process:

1. Validates the presence of a payload
2. Retrieves the input data from the specified path `input_file`
3. Generates a new state file using the `generate_state_file` function
4. Saves the generated state file
5. Updates the status of the operation in the state file

Helper Functions

1. `get_first_transaction_date`: Retrieves the earliest transaction date from the API.
2. `get_next_date`: Calculates the next date based on the given periodicity.
3. `get_period_end_date`: Calculates the end date of a period based on the start date and periodicity.
4. `build_url`: Constructs the full API URL for a given endpoint.
5. `get_headers`: Generates headers with authorization token for HTTP requests.

6. `log_message`: Logs a message with a timestamp.
 7. `save_file`: Saves data to a specified file path in JSON format.
 8. `get_files`: Lists files in the specified directory.
 9. `get_folders`: Lists directories in the specified path.
 10. `get_data`: Reads data from a JSON file.
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