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.