

Using Workflow to Prepare Source Tables

Workflow can be used to prepare source tables for Master Segments.

You can start the creation of a master segment by pre-processing data using workflows.

Here's an example workflow task using an HTTP operator to start the creation of a master segment.

```
+kick_audience_workflow:  
  http>: "https://api-cdp.treasuredata.com/audiences/YOUR_AUDIENCE_ID/run"  
  method: POST  
  headers:  
    - authorization: "TD1 ${secret:td.apikey}"  
  retry: true
```

The screenshot displays a workflow management interface. On the left, a list of workflows is shown, all named 'metering_audience' with IDs ranging from 2708 to 2743. The workflow 'metering_audience cdp_metering_audience_2717' is selected and highlighted. On the right, the 'Workflow Definition' tab is active, showing the configuration for 'metering_audience.dlg'. The configuration includes a 'timezone' of 'UTC', an 'http' step to fetch 'metering_workflow_queries' from a specific API endpoint with an authorization header, and a 'metering' step that uses the fetched query to execute a query in a database and save the results. The workflow ends with a 'callback finished' message.

```
metering_audience.dlg  
1 # CDP: Metering Audience "██████_3226" created at  
2 # https://console-development-cdp.treasuredata.com  
  /audiences/2717  
3  
4 timezone: "UTC"  
5  
6 +get_queries:  
7   http>: "https://api-development-cdp.treasuredata.com  
  /audiences/2717/metering_workflow_queries"  
8   headers:  
9     - authorization: ${secret:td.apikey}  
10  store_content: true  
11  retry: true  
12  _retry: 5  
13  
14 +metering:  
15   +execute_query:  
16     td>: metering.sql  
17     query: ${JSON.parse(http.last_content)["query"]}  
18     database: ${JSON.parse(http.last_content  
  )["parent_database_name"]}  
19     store_last_results: true  
20     _retry: 5  
21  
22   +save_results:  
23     echo>: ${td.last_results}  
24  
25 # +callback finished:
```