

Generic Rest sink in dataflow

Last updated by | Zhuoyang Zhang | Apr 27, 2022 at 1:42 AM PDT

1. How Rest sink send request in dataflow?

1.1 Each row of data triggers 1 request(by default)

Data preview in sink, Example:

```
orderId, amount, price, productId
90001, 100, 8.88, 3b2ddf85-50f4-eb11-94ef-000d3a48dbfc
90002, 200, 9.99, 4c3eeg96-50f4-eb11-94ef-111d3a48dced
```

Request body will be json object. Example:

First Request body: {"orderId":"90001","amount":100,"price":8.88, "productid":" 3b2ddf85-50f4-eb11-94ef-000d3a48dbfc"}

Second request body: {"orderId":"90002","amount":200,"price":9.99, "productid":" 4c3eeg96-50f4-eb11-94ef-111d3a48dced"}



1.2 Batch mode: several rows data will batch into 1 request.

Batch size specified as 2, request body will be json array. Example:

```
[{"orderId":"90001","amount":100,"price":8.88, "productid":" 3b2ddf85-50f4-eb11-94ef-000d3a48dbfc"},
{"orderId":"90002","amount":200,"price":9.99, "productid":" 4c3eeg96-50f4-eb11-94ef-111d3a48dced"}]
```

1.3 How Request URL generated with property(Base url, relative url, row relative url)

RequesetUrl will be baseUrl/relativeUrl/{rowRelativeUrl}

Column Value of rowRelativeUrl will be directly append after relativeUrl, Example:

baseUrl: https://example.crm4.dynamics.com

relativeUrl: api/data/v9.0/accounts

rowRelativeUrl: productId

source data:

```
orderId, amount, price, productId
90001, 100, 8.88, (3b2ddf85-50f4-eb11-94ef-000d3a48dbfc)
90002, 200, 9.99,( 4c3eeg96-50f4-eb11-94ef-111d3a48dced)
```

First Request Url:

[https://example.crm4.dynamics.com/api/data/v9.0/accounts\(3b2ddf85-50f4-eb11-94ef-000d3a48dbfc\)](https://example.crm4.dynamics.com/api/data/v9.0/accounts(3b2ddf85-50f4-eb11-94ef-000d3a48dbfc))

Second Request Url:

[https://example.crm4.dynamics.com/api/data/v9.0/accounts\(4c3eeg96-50f4-eb11-94ef-111d3a48dced\)](https://example.crm4.dynamics.com/api/data/v9.0/accounts(4c3eeg96-50f4-eb11-94ef-111d3a48dced))

2. How to trouble shoot

Error Message Example: {"StatusCode":"DFExecutorUserError","Message":"Job failed due to reason: DF-REST_001 - Rest - Error response received from the server (url:https://example.crm4.dynamics.com/api/data/v9.0/accounts(my productid='8065796'),request body: Some(** {"sre mdmpartnerid\":"8065796\","name\":"TEST CONTRAPARTES 3RD PARTY 30 DIC\","address1 composite\":"TEST CONTRAPARTES 3RD PARTY 30 DIC\\n, C1\\n12345 CITY\\nBarbados (Principal Address)\\","ownerid\":"3b2ddf85-50f4-eb11-94ef-000d3a48dbfc"})**), request method: PATCH, status code: 400)

Customer should have knowledge of REST API he is calling. From the error message, we can find the request URL and content of request body, and rest connector called with failure.

Customer request can be verified in PostMan first, the result should be same in PostMan. If same request can work fine in PostMan. Guide Customer compare the payload between success one in POSTMAN and failure one in error message. Then modify the source data or column name to make the content of request body correct.