# REAL-TIME PROJECT EXERCISE

# Transport System Project

# Objectives:

# To develop a software application that support specific to the project travel agency automation that can solve all tedious task related to ticket booking in a travel agency.

# API Landscape

Diagram

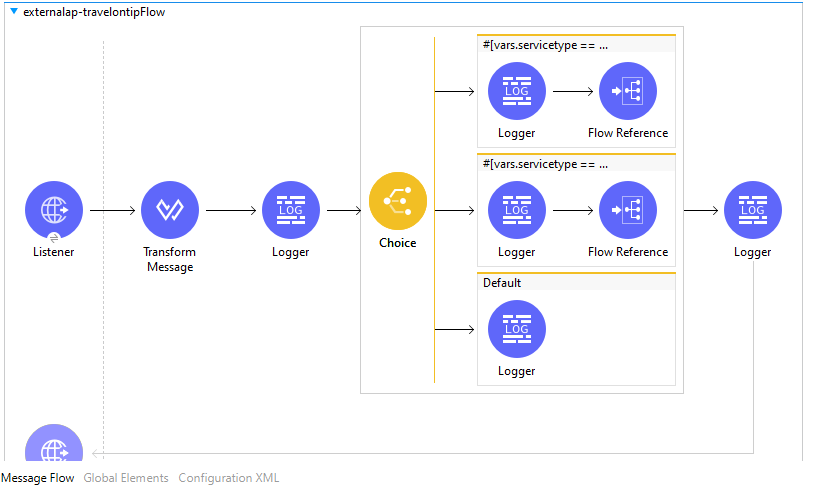
Description automatically generated

**Step:1:- database tables:**

. travelontip : routes and schedules

.fastgo :routes and schedules

**Travelontip-external api:**



The flow represents the process of external api fastgo:

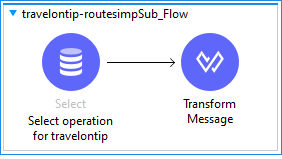
1.In transform message we pass a variable =service type

2.And in choice we give conditions like routes,schedules and default conditions.

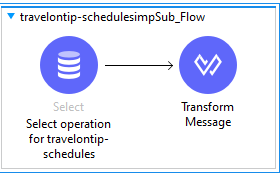
3.when we give service type = routes, then the first condition in choice will execute.

4.when we give service type=schedules,then the second condition in choice willexecute.By flow reference we add a sub-flow for routes and schedules.

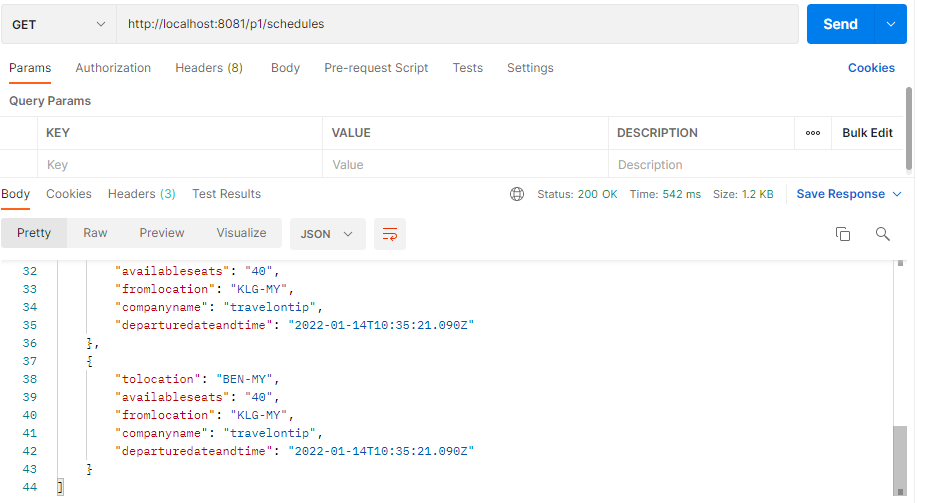
1.In select we write a query for retrieving data from database. And in payload we get the details of the selected query.



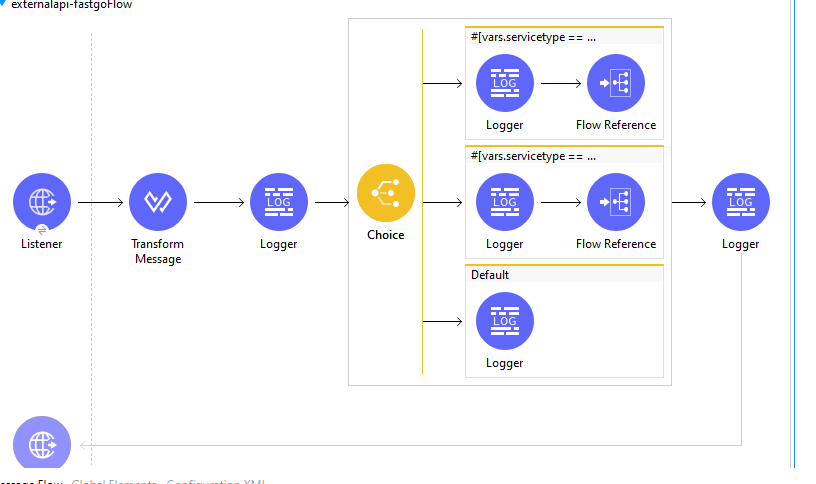
These is the sub-flow for travelontip routes.these will retrieve the data from database by select connector and the required output in transform message payload.



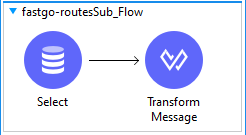
These is the sub-flow for travelontip routes.these will retrieve the data from database by select connector and the required output in transform message payload.



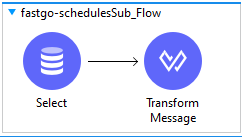
**Externalapi for fastgo:**



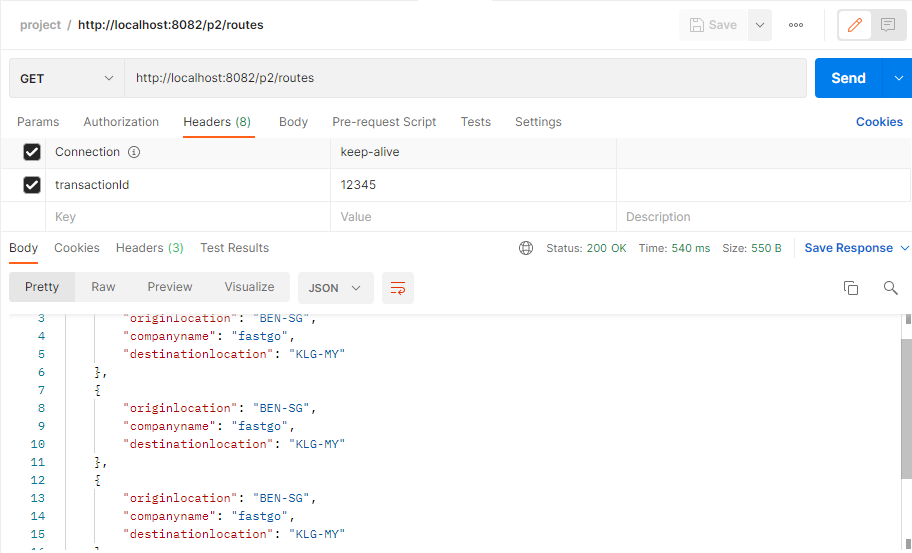
Same as above flow,we implemented for travelontip.



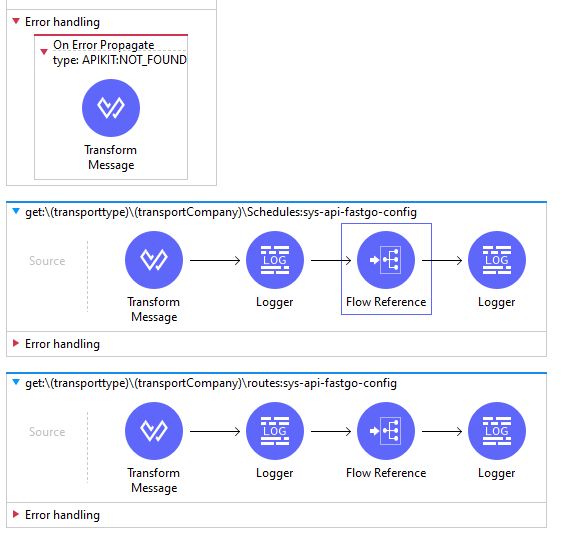
**These is the sub-flow for travelontip routes.these will retrieve the data from database by select connector and the required output in transform message payload.**



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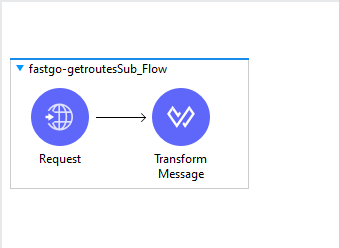
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**Systemapi-fastgo**



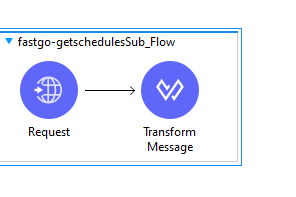
**Imported raml file from any point studio and in transform message = transactionId and in flow reference we connect the sub flow.**

**In sub flow we invoke the url of external layer for fastgo**

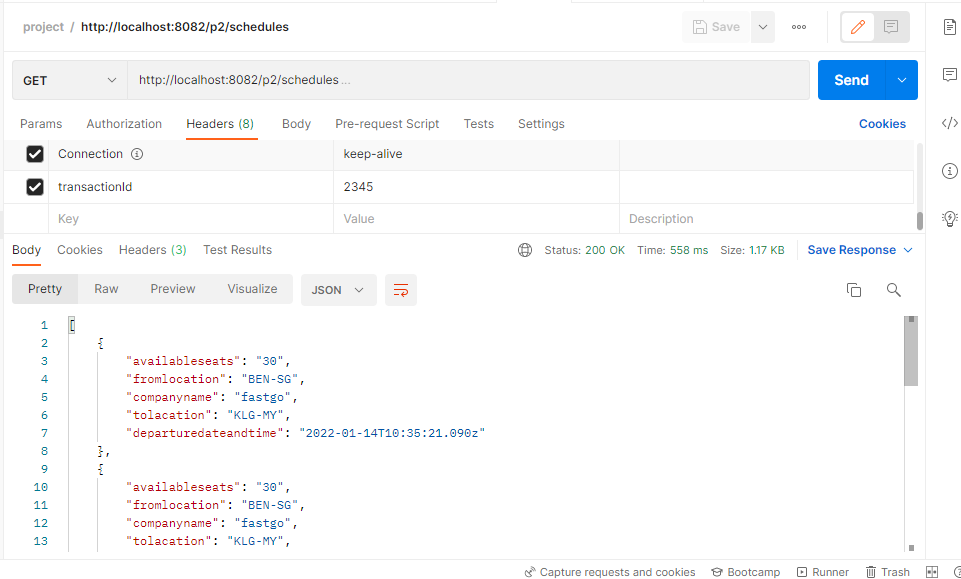


**These is the sub-flow for travelontip routes.these will retrieve the data from database by select connector and the required output in transform message payload.**

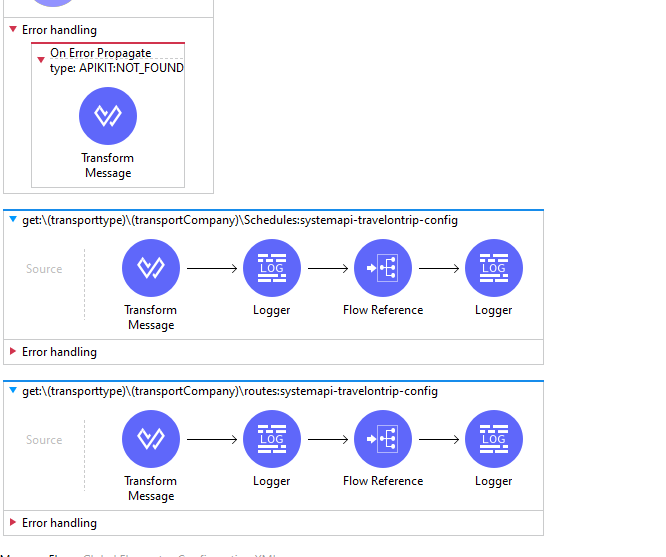
**Sub flow for schedules:**



**These is the sub-flow for travelontip routes.these will retrieve the data from database by select connector and the required output in transform message payload.**

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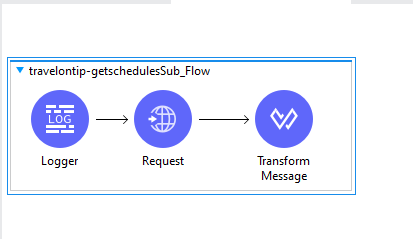
**System api for travelontip:**

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**Import raml file from any point platform**

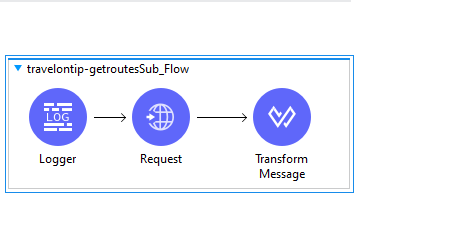
**In transform message we set a variable = transactionId and in flow reference of schedules we created in sub flow**

**For fastgo schedules:**

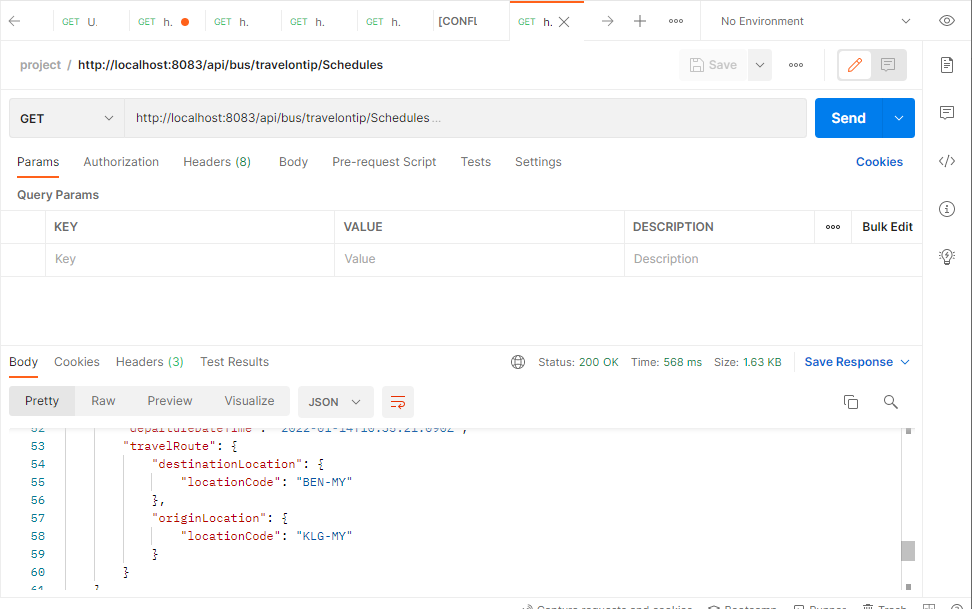
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**In Request we pass the url of external api of fastgo and in transform message the required payload.**

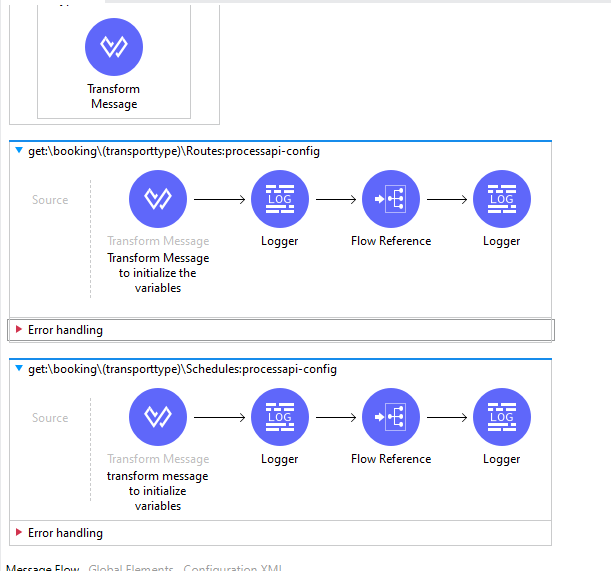
**Fastgo-routes:**

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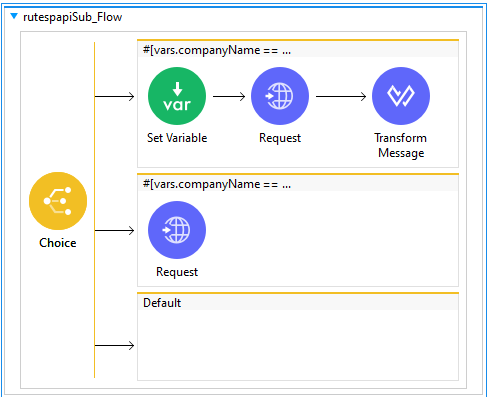
**Request component for routes.**

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**Process api for travelontip and fastgo**

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**In transform message is set a variable = destinationLocation.And in flow reference we connect with sub flow of routes.**

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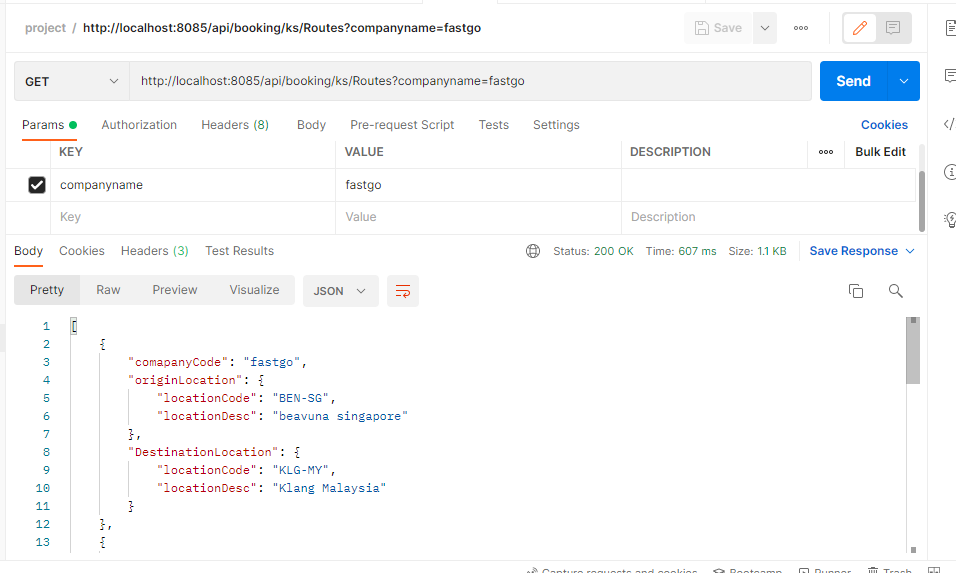
**In choice condition for first flow (If company name=fastgo)**

**We pass the systemapi of fastgo url in request component**

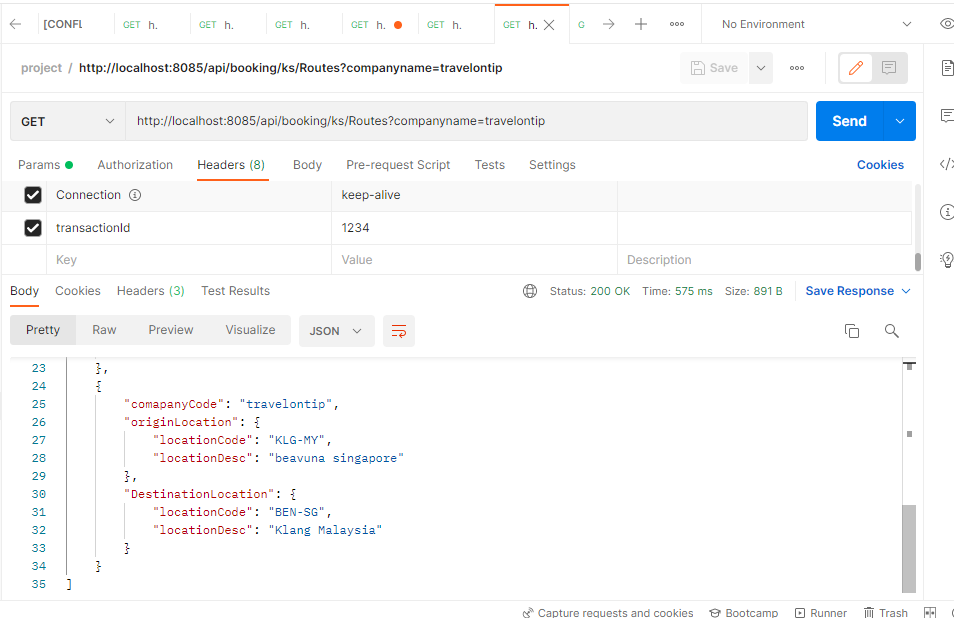
**If company name = travelontip the second flow will be executed.**

**And in request component we pass the url of travelontip systemapi.**

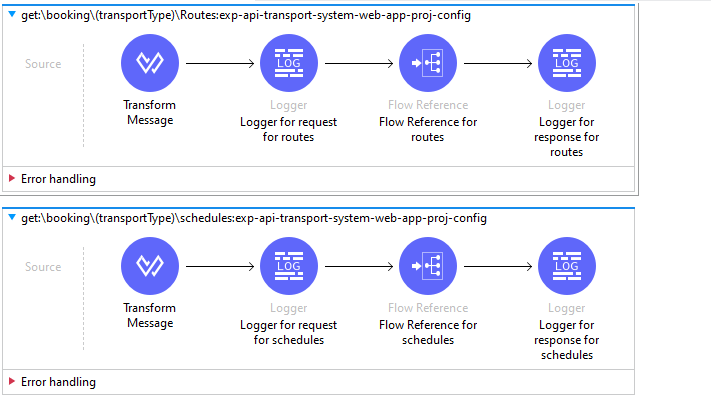
**For fastgo:**

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**For travelontip:**

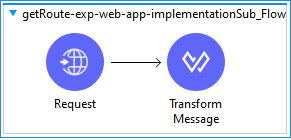
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**Externalapi -web application:**

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**Import raml into anypoint studio in transform message=destination location and a flow reference**

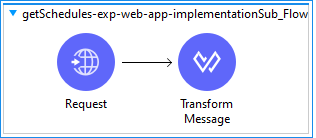
**Experience api routes:**

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**1.In request connector we pass the process api url to consume the data from process api**

**2.And a transform message to display the required output**

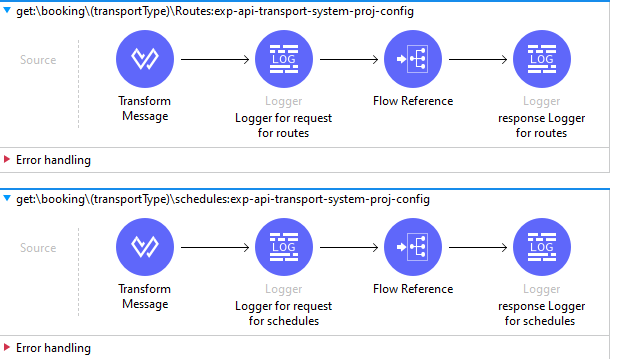
**Schedules:**

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**1.In request connector we pass the process api url to consume the data from process api**

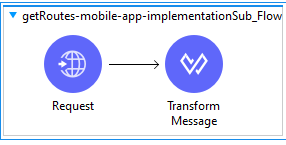
**2.And a transform message to display the required output**

**Externalapi for mobile application:**

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**Import raml into anypoint studio in transform message=destination location and a flow reference**

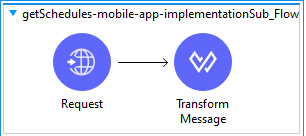
**For routes:**

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**1.In request connector we pass the process api url to consume the data from process api**

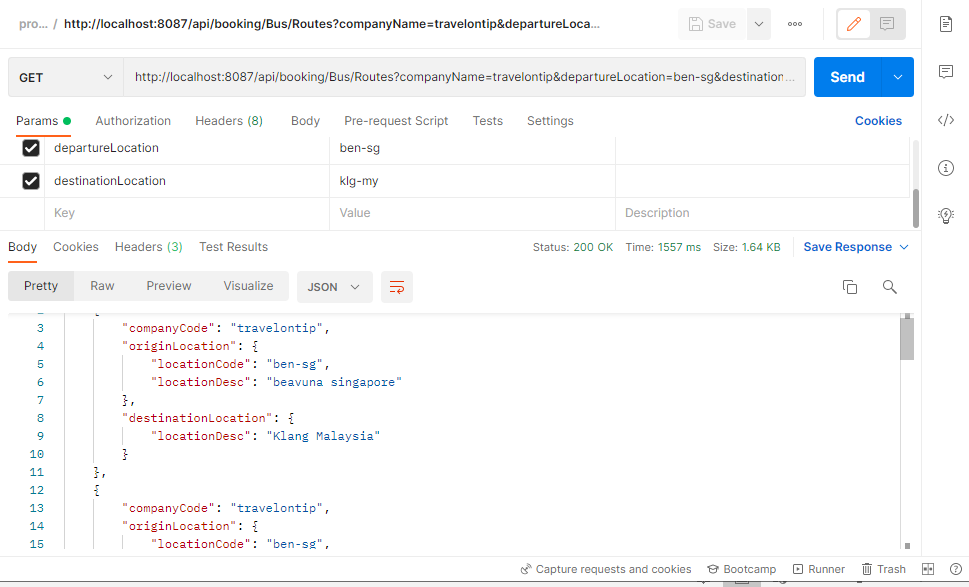
**2.And a transform message to display the required output**

**For schedules:**

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**1.In request connector we pass the process api url to consume the data from process api**

**2.And a transform message to display the required output**

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**https://github.com/moanusha/transport-system**