Informatica Cloud

Fedex Connector

September, 2018

Overview:

Fedex is one of the world's leading shipping companies. The Fedex Connector package enables Informatica Intelligent Cloud Services (IICS) developers to easily incorporate Fedex Package Tracking into their Cloud Application Integration (CAI) projects.

Prerequisites:

- Fedex Developer Account Credentials
    - Fedex Key
    - Fedex Password
    - Fedex Account Number
    - Fedex Meter Number
- Appropriate role/permissions on Informatica Intelligent Cloud Service to perform an IMPORT operation

Use Case: Get Package Delivery Status for a Single Package

The account credentials are embedded in the service connector, and the process is invoked with just a valid Fedex tracking number. The tracking number and embedded account credentials are sent to Fedex. Upon validation of the account credentials, the tracking number is looked up, and the most recent delivery status for that particular package is returned.

1. Invoke with valid package tracking number
2. Embedded login credentials get validated by Fedex
3. The package tracking number is used to lookup the status of the package
4. Results of the package tracking number lookup
    a. Success – return selected fields, reflecting the most recent package delivery status
    b. Failure – return an error message.

Quick Setup

1. Download the Fedex Connector package, "FedexConnectorPackage-0918.zip" from Informatica CAI Github Repository.
2. Import the package into your CAI workspace
3. This creates a project named "Fedex" with three assets.
    a. "Fedex Tracking API" Service Connector
    b. "Fedex-Tracking-API-Actions" Connection
    c. "Get Fedex Package Status" Process
4. Add login/account credentials to the "Fedex Tracking API" Service Connector
    a. Open the "Fedex Tracking API" Service Connector
    b. Go to the Actions tab
    c. Go to the Binding tab
    d. Enter your Fedex developer account credentials in the XML data in the "Body" section for the fields shown.
        i. <v14:Key>YourKey</v14:Key>
        ii. <v14:Password>YourPassword</v14:Password>
        iii. <v14:AccountNumber>YourAccountNumber</v14:AccountNumber>
        iv. <v14:MeterNumber>YourMeterNumber</v14:MeterNumber>
    e. Save and Publish the Service Connector
5. Publish the "Fedex-Tracking-API-Actions" Connection
6. Publish the "Get Fedex Package Status" process
7. Test the process in your REST tool of choice (Postman, Insomnia, RESTed, etc.)
    a. Define a POST operation
    b. Get the Service Address from the "Get Fedex Package Status" properties
    c. Define the request as type "application/json"
    d. Configure the body of the request

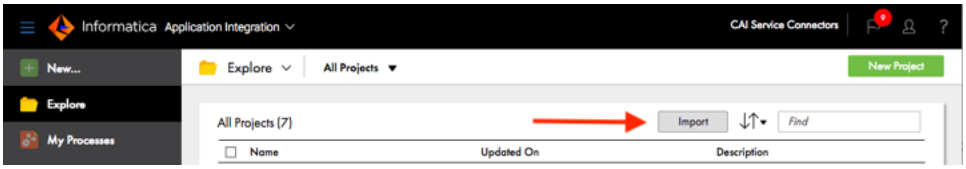
```
{
 "TrackingNumberInput": <Your Tracking Number>
}
```

    e. Invoke the operation
    f. Receive a response that looks like this:

```
{
  "DeliveryStatusOut": "Picked up",
  "CityOut": "ATLANTA",
  "StateOut": "GA",
  "DateTimeDeliveredOut": "2018-08-07T17:13:00-04:00",
  "CarrierOut": "FedEx Express"
}
```

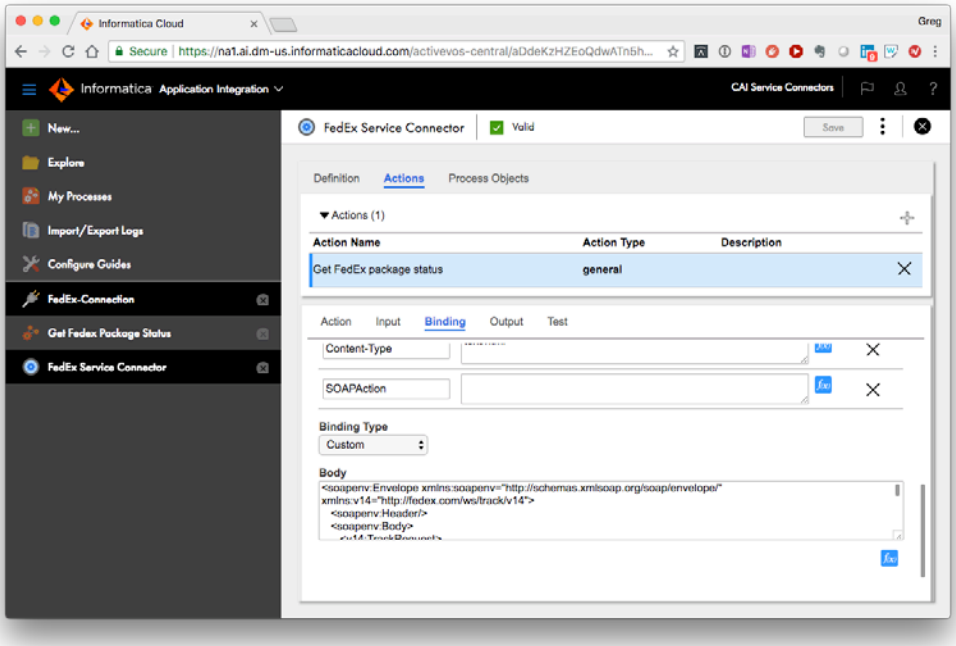
Detailed Setup:

1. Download the Fedex Connector package, “FedexConnectorPackage.zip” from [Informatica CAI Github Repository.]
2. Import the package into your Informatica Intelligent Cloud Service (IICS) using the Import functionality available within IICS.

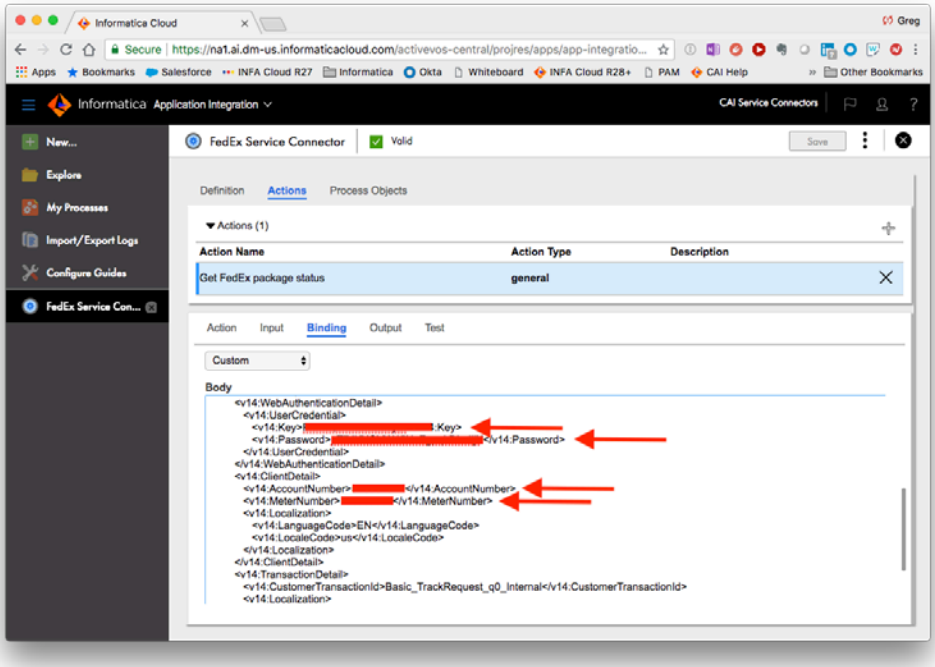


3. Upon completion, the import process will have created a new project named "Fedex" at the root level of your CAI workspace, containing 3 assets.
    a. "Fedex Tracking API” Service Connector
    b. “Fedex-Tracking-API-Actions” Connection
    c. "Get Fedex Package Status" Process

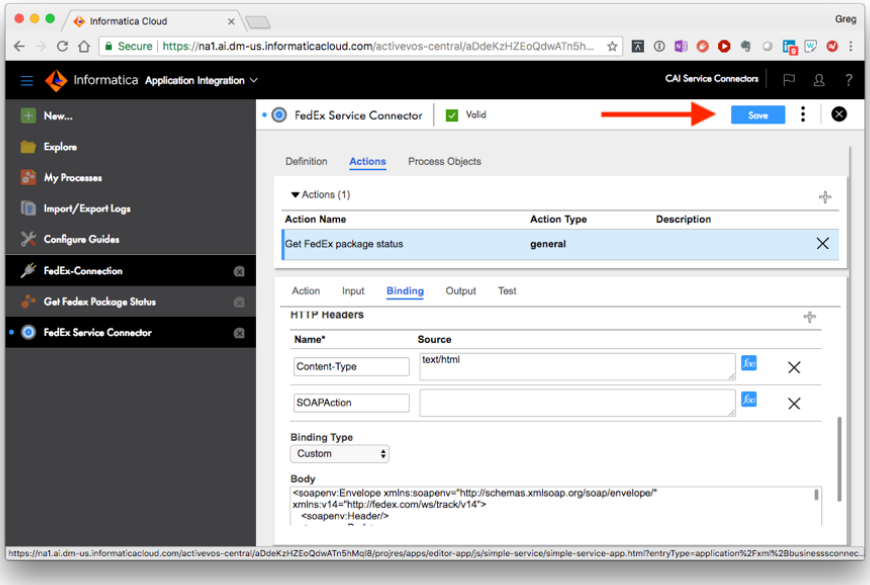
4. Open the “Fedex Tracking API” Service Connector
    a. Navigate to "Actions"
    b. Navigate to "Binding"



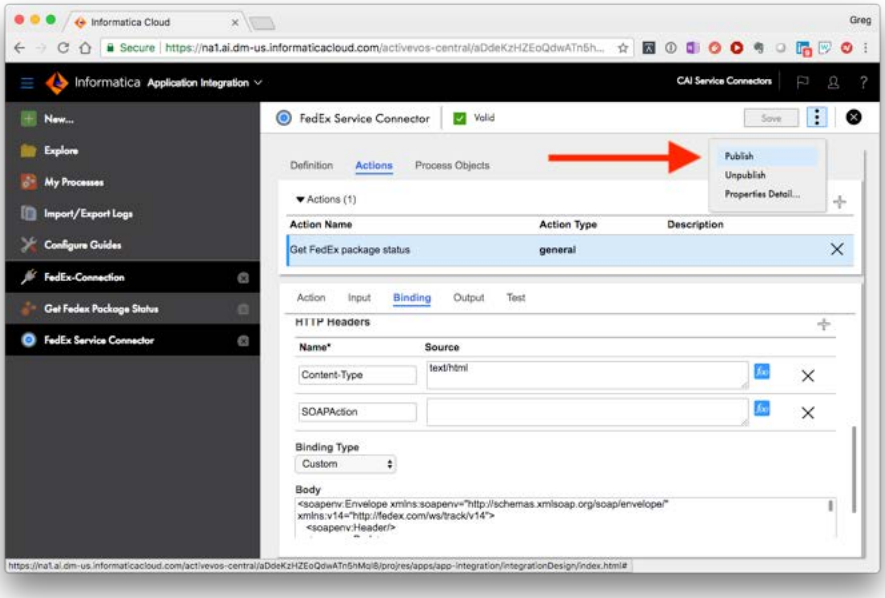
c. Enter your Fedex developer credentials into the "Key", "Password", "AccountNumber", and "MeterNumber" elements in the XML in the "Body" section of this page.



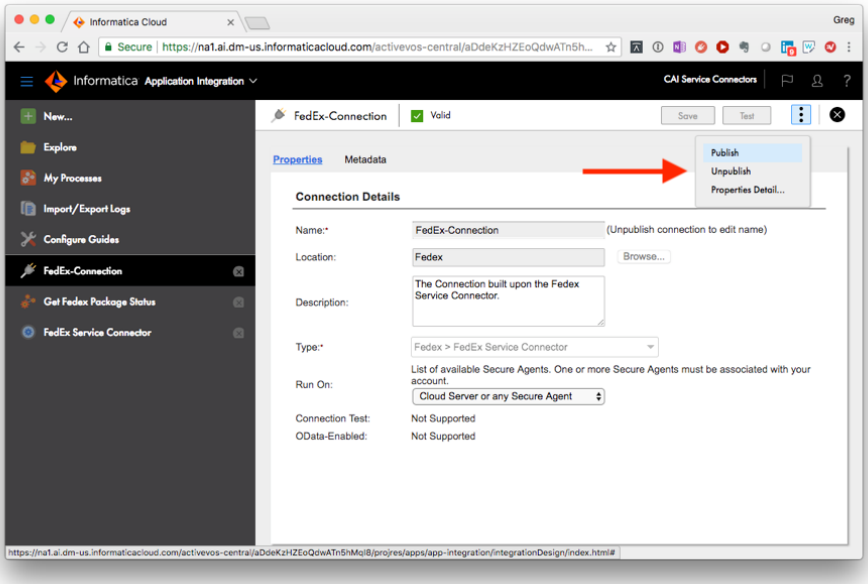
d. Save this Connector



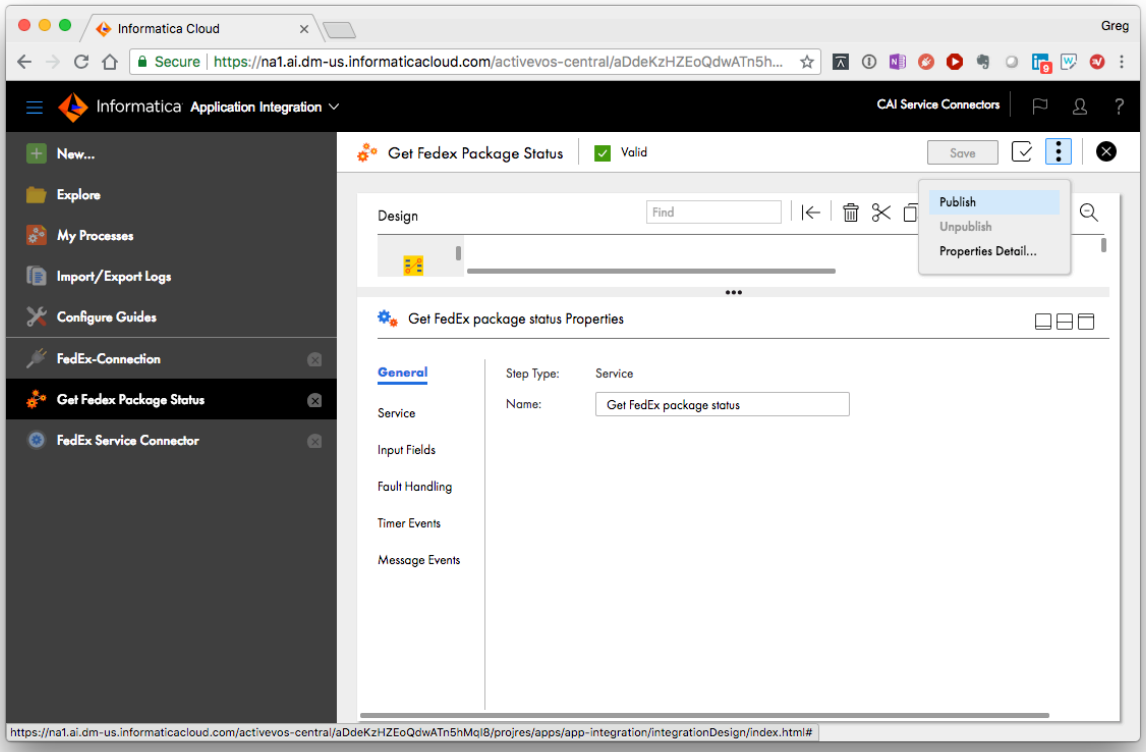
e. Publish this Connector



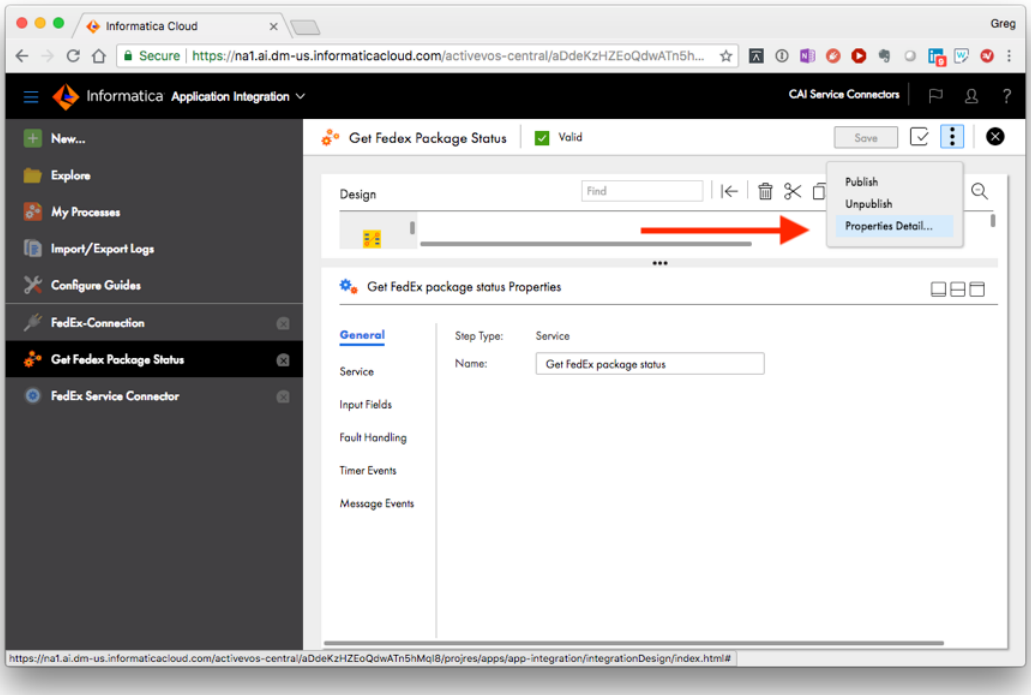
5. Publish the “Fedex-Tracking-API-Actions” Connection

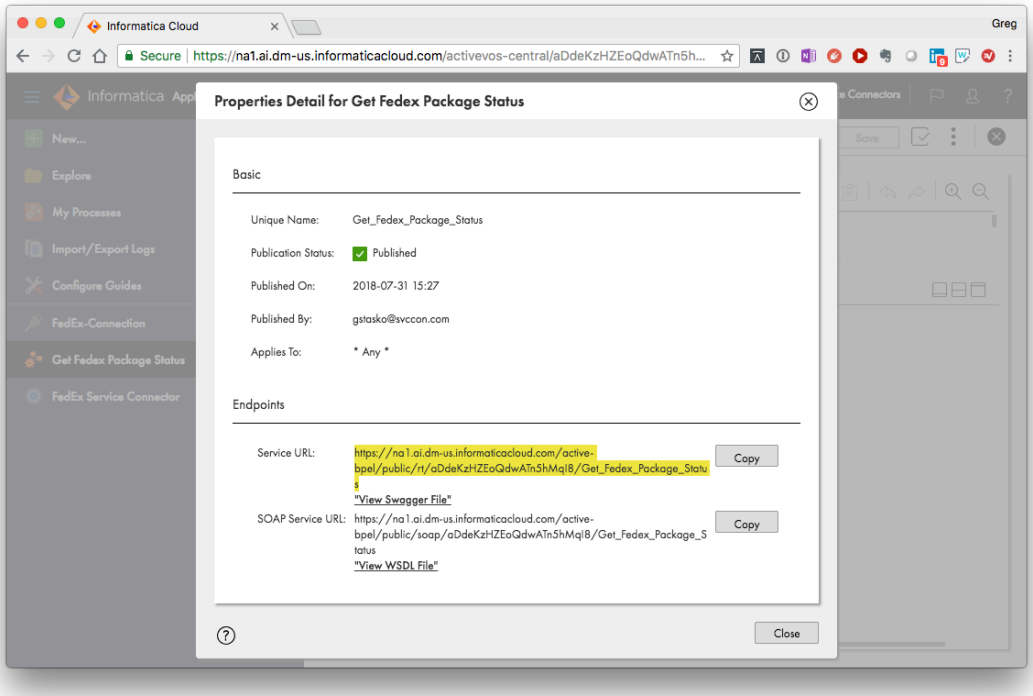


6. Publish the "Get Fedex Package Status" Process



7. Get the Service Address from the Properties Detail of the just-published "Get Fedex Package Status" Process

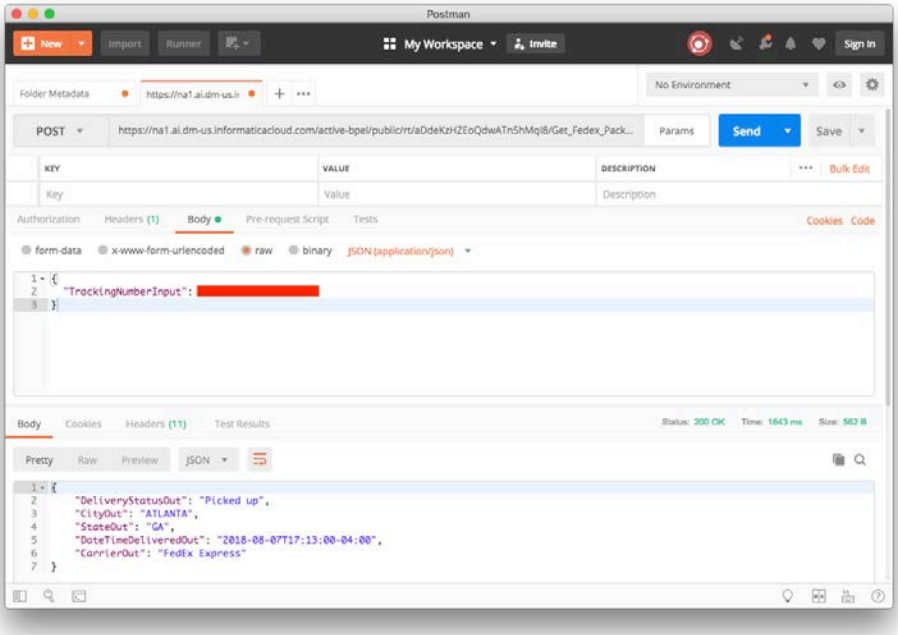




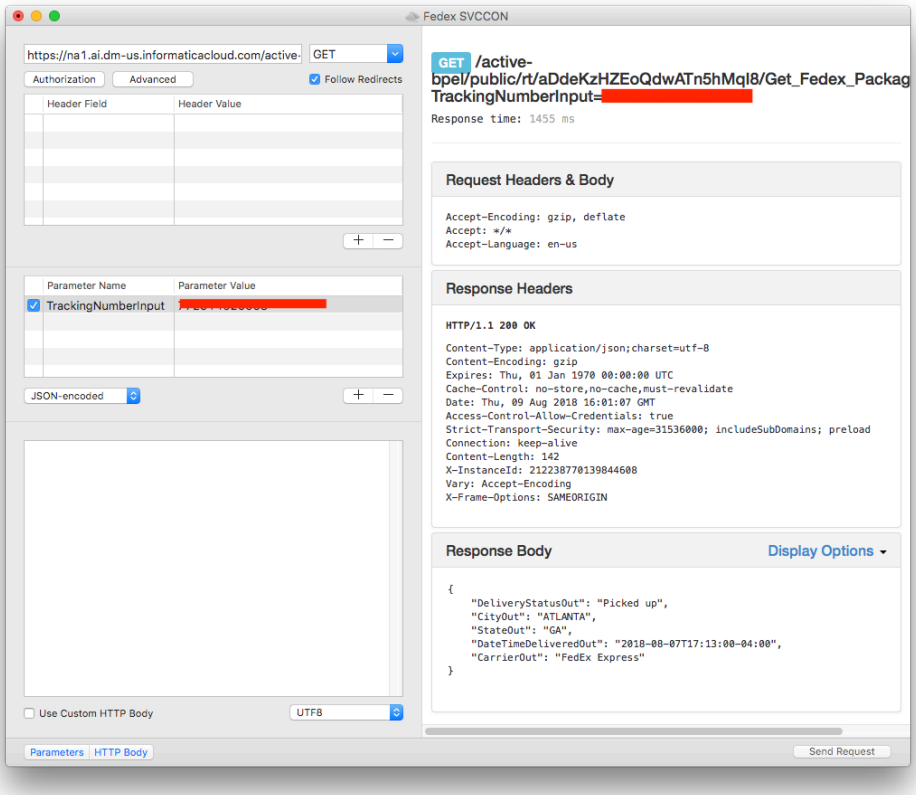
8. Test with your REST tool of choice
    a. Define a POST operation
    b. Request is of type “application/json”
    c. Get the Service Address of the “Get Fedex Package Status” Process
    g. TrackingNumberInput – a valid Fedex Tracking Number less than 3 months old
    h. {
        "TrackingNumberInput": <Your Tracking Number>
       }
    i. Invoke the operation
    j. Receive a response that looks like this:

```
{
 "DeliveryStatusOut": "Picked up",
  "CityOut": "ATLANTA",
  "StateOut": "GA",
  "DateTimeDeliveredOut": "2018-08-07T17:13:00-04:00",
  "CarrierOut": "FedEx Express"
}
```

Postman



k. RESTed


Fedex SVCCON
https://na1.ai.dm-us.informaticacloud.com/active-
GET
Authorization
Advanced
Follow Redirects
Header Field
Header Value
Parameter Name
Parameter Value
TrackingNumberInput
JSON-encoded
Use Custom HTTP Body
UTF8
Parameters
HTTP Body
Send Request
GET /active-bpel/public/rt/aDdeKzHZEoQdwATn5hMqI8/Get_Fedex_Packag
TrackingNumberInput=
Response time: 1455 ms
Request Headers & Body
Accept-Encoding: gzip, deflate
Accept: */*
Accept-Language: en-us
Response Headers
HTTP/1.1 200 OK
Content-Type: application/json;charset=utf-8
Content-Encoding: gzip
Expires: Thu, 01 Jan 1970 00:00:00 UTC
Cache-Control: no-store,no-cache,must-revalidate
Date: Thu, 09 Aug 2018 16:01:07 GMT
Access-Control-Allow-Credentials: true
Strict-Transport-Security: max-age=31536000; includeSubDomains; preload
Connection: keep-alive
Content-Length: 142
X-InstanceId: 2122387701398446O8
Vary: Accept-Encoding
X-Frame-Options: SAMEORIGIN
Response Body
Display Options
{
"DeliveryStatusOut": "Picked up",
"CityOut": "ATLANTA",
"StateOut": "GA",
"DateTimeDeliveredOut": "2018-08-07T17:13:00-04:00",
"CarrierOut": "FedEx Express"
}