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
  - o   Fedex Key
  - o   Fedex Password
  - o   Fedex Account Number
  - o   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.
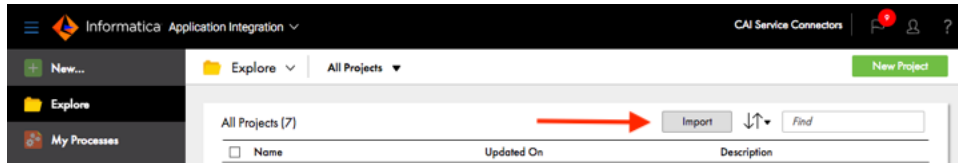
Quick Setup

1. Download the [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. Go to the Fedex project
5. Publish the "FedEx Tracking API"
6. Add login/account credentials to the "Fedex-Tracking-API-Actions" Connection
   a. Open the "Fedex-Tracking-API-Actions" Connection. (It should open to the Properties tab.)
   b. Enter your Fedex developer account credentials in the Connection Properties
      i. Account Number
      ii. Meter Number
      iii. Key
      iv. Password
   c. Save the Connection
   d. Publish the Connection
7. Publish the "Get Fedex Package Status" Process.
8. Test the process in your REST tool of choice (Postman, Insomnia, RESTed, etc.)
   a. Define a POST operation
   b. Use the Service Address from the "Get Fedex Package Status" properties as the Request URL in your test tool
   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"
      }
      ```
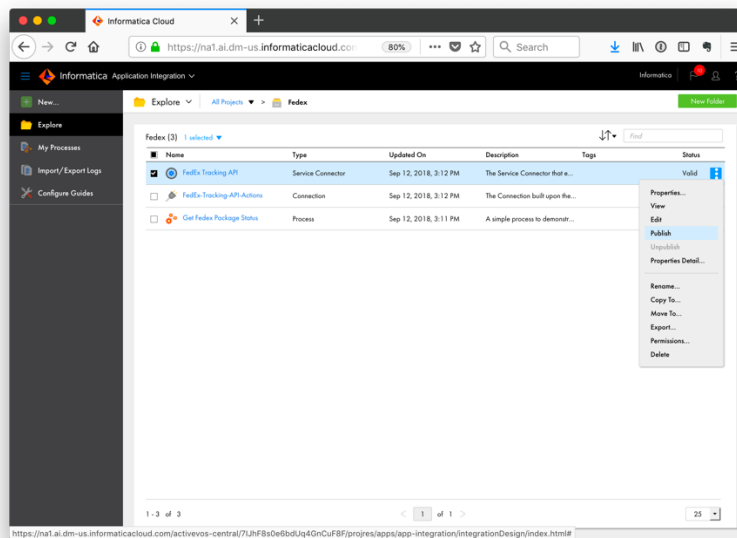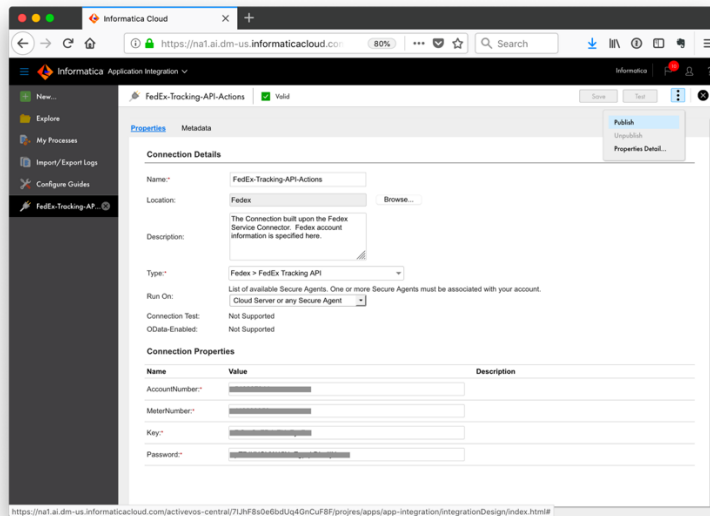
Detailed Setup:

1. Download the FedexConnectorPackage-0918.zip from Informatica CAI Github Repository.
2. Import the package into your CAI workspace.

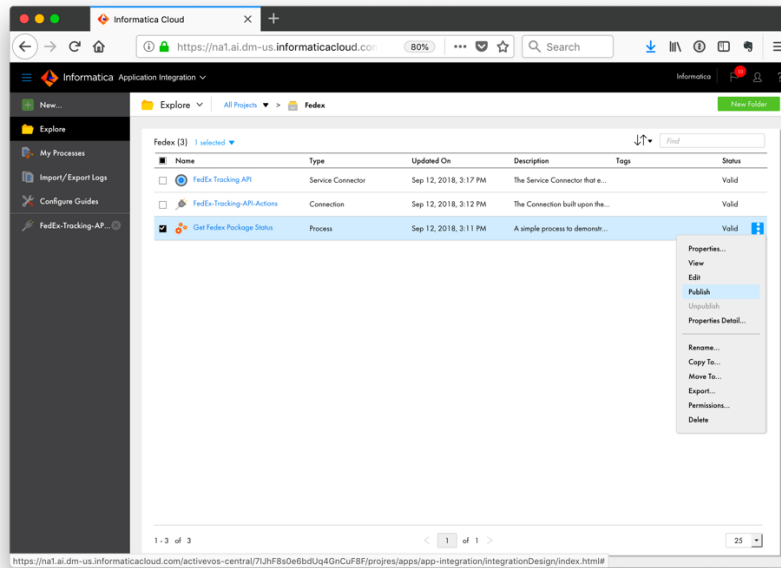3. Upon completion, the import process will have created a new project named "Fedex" at the root level of your CAI workspace, containing 3 assets.
   a. "Fedex Tracking API" Service Connector
   b. "Fedex-Tracking-API-Actions" Connection
   c. "Get Fedex Package Status" Process

4. Go to the Fedex project
5. Publish the "FedEx Tracking API"

6. Add login/account credentials to the "Fedex-Tracking-API-Actions" Connection
    a. Open the "Fedex-Tracking-API-Actions" Connection. (It should open to the Properties tab.)
    b. Enter your Fedex developer account credentials in the Connection Properties
        i. Account Number
        ii. Meter Number
        iii. Key
        iv. Password

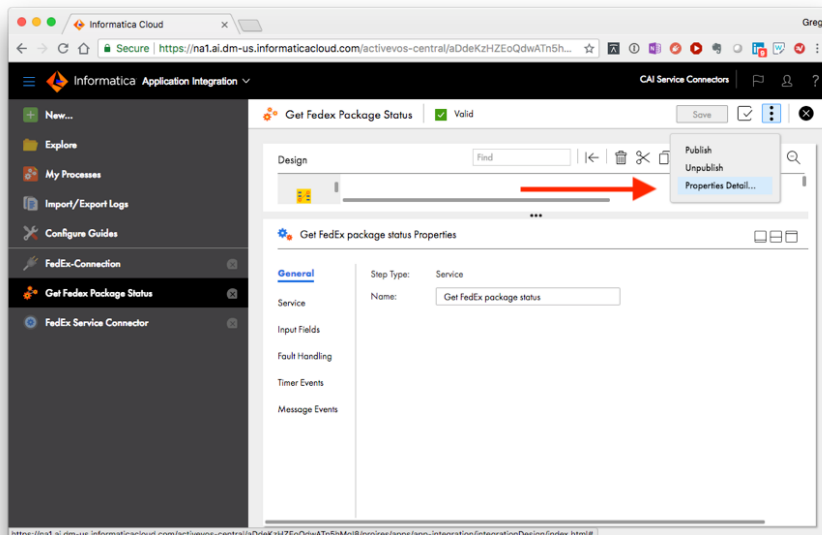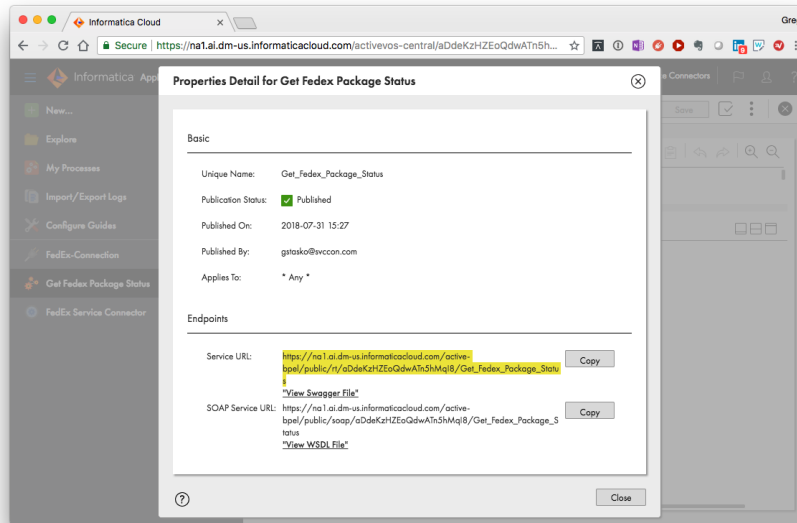   c. Save the connection

d. Publish the connection

7. Publish the "Get Fedex Package Status" Process
8. Test the "Get Fedex Package Status" Process in your REST tool of choice (Postman, Insomnia, RESTed, etc.)

   a. Define a POST operation
   b. Use the Service Address from the "Get Fedex Package Status" properties as the Request URL in your test tool
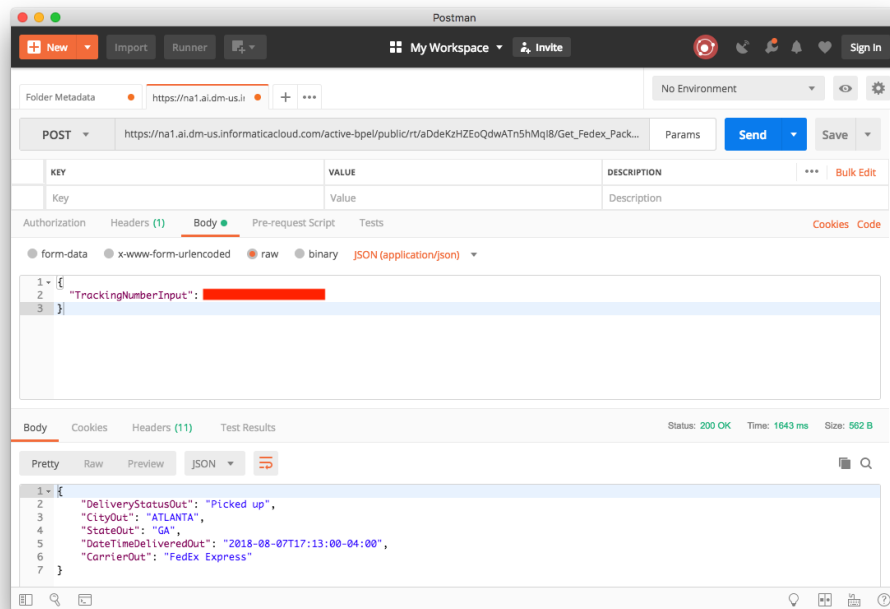
c. Define the request as type "application/json"
d. Configure the body of the request

```
{
  "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"
}
```

g. Postman

RESTed