

Update FedEx RESTful APIs

06/12/2023 02:14 PM - Xihua Fan

Status:	进行中	Start date:	02/01/2024
Priority:	高	Due date:	08/30/2024
Assignee:	Junyi Zhang	% Done:	100%
Category:		Estimated time:	8.00 hours
Target version:	v3.0	Spent time:	0.00 hour

Description

Task Details

1. Email: [Web Services —— FedEx RESTful APIs 项目更新]
Link:
https://developer.fedex.com/api/zh-cn/home.html?cmp=EMT-1007031-3-3-200-1000000-APAC-CN-ZH-EMDITFY22WSAWAR&ET_CID=1225625&ET_RID=14212675&LINK=BodyCopy-CTA3
Fedex API 接口 apacwebservices@fedex.com
Fedex 支持 fdxhelpdesk@fedex.com
Fedex 支持 (中国区) ecndcc@fedex.com 项目更新 gavin.zhang@fedex.com

Important

1. The web service will no longer be able to be used on August 31, 2024<https://developer.fedex.com.cn/api/zh-cn/home.html>



Input

- Email from Mei/Tom

Output

- Report and Solution

Others

History

- #1 - 08/18/2023 10:33 AM - Xihua Fan
 - Start date changed from 07/01/2023 to 10/01/2023
- #2 - 12/14/2023 04:57 PM - Xihua Fan
 - Due date changed from 12/31/2023 to 03/31/2024
 - Start date changed from 10/01/2023 to 02/01/2024
- #3 - 03/29/2024 04:19 PM - Junyi Zhang
 - % Done changed from 0 to 10
- #4 - 04/01/2024 09:53 AM - Xihua Fan
 - Due date changed from 03/31/2024 to 04/30/2024
- #5 - 04/03/2024 07:41 PM - Junyi Zhang
 - % Done changed from 10 to 30
- #6 - 04/07/2024 10:19 AM - Xihua Fan
 - Due date changed from 04/30/2024 to 05/15/2024

#7 - 04/07/2024 10:24 AM - Junyi Zhang

- % Done changed from 30 to 40

#8 - 04/07/2024 11:14 AM - Xihua Fan

- Description updated

#9 - 04/07/2024 11:14 AM - Xihua Fan

- Description updated

#10 - 04/10/2024 11:09 AM - Junyi Zhang

- % Done changed from 40 to 50

#11 - 04/18/2024 10:14 AM - Xihua Fan

- Tracker changed from ☐ Bug to ☐ ☐ ☐

#12 - 05/16/2024 11:33 AM - Xihua Fan

- Due date changed from 05/15/2024 to 05/31/2024

#13 - 05/28/2024 12:35 PM - Xihua Fan

- Due date changed from 05/31/2024 to 06/30/2024

- % Done changed from 50 to 90

#14 - 05/30/2024 11:18 AM - Junyi Zhang

- Description updated

#15 - 05/30/2024 11:21 AM - Junyi Zhang

- Description updated

#16 - 05/30/2024 11:23 AM - Xihua Fan

- File clipboard-202405301122-uanwd.png added

- Description updated

#17 - 06/25/2024 03:55 PM - Junyi Zhang

- File OTS_FedEx_Restful_api_20240625.7z added

#18 - 06/27/2024 06:46 PM - Junyi Zhang

Output ☐ 2024/06/27), Output ☐ 2024/06/24), Output ☐ 2024/06/03), Output ☐ 2024/04/08), Output ☐ 2024/04/03), Output ☐ 2024/03/29)

Fedex Developer portal: (<https://developer.fedex.com.cn/api/en-us/home.html>) (100%)

1. **Account:**

- Id: vanfan0826
- Password: Fxh19780826

2. **Organization info:**

- company name: redblue
- company URL: order.easydingzhi.com
- organization name: redblue-OTS

3. **Api project: redblue-OTS-tracking(100%)**

1. **Test environment:**

```
Test URL: https://apis-sandbox.fedex.com
Api key: 17e8236d9b45d84a11b3244346eddeb1c3
Serect key: 68f98c0d55b2410490e19bf576afc71c
```

2. **Production environment:**

```
URL: https://apis.fedex.com
API key: 174ba73772d6d14e77813e35f504866146
Serect key: 201021ada319420bad9756a492f35a5f (Noted: To Keep your Secret Key secure, Fedex only display it once. If you lose your Secret Key, you can generate a new one. )
```

3. About API request limit: (<https://developer.fedex.com.cn/api/en-cn/guides/ratelimits.html>)

API request: 500,000 per day in one organization, 1,400 per 10s
Auth token threshold: 3/s in 5s or 1/s in 2 min

Changes:(100%)

1. Add settings in protected/tracking.ini:

```
; -- True: Restful API, False: Webservice -- ;
fedex_restful_api = false

; -- Test environment -- ;
fedex_api_url = https://apis-sandbox.fedex.com
fedex_api_key = 17e8236d9b45d84a11b3244346eddeb1c3
fedex_secret_key = 68f98c0d55b2410490e19bf576afc71c
fedex_grant_type = client_credentials

; -- Production environment -- ;
;fedex_api_url = https://apis.fedex.com
;fedex_api_key = 174ba73772d6d14e77813e35f504866146
;fedex_secret_key = 201021ada319420bad9756a492f35a5f
;fedex_grant_type = client_credentials
```

2. Change scope:

- protected/tracking.ini
- protected/components/TrackingFedEx.php
- protected/actions/track/QueryAction.php

3. Add RestFul api support to Fedex tracking function.

1. protected/components/TrackingFedEx.php:
 - Support Webservice and Restful API.
 - Restful api: 1. Get access_token 2. Get tracking data by access_token.
2. Unify the front UI display (WebService and Restful API) since the front js file was compressed.
 - I change the data structure of Restful to as the same as the web service to make front display easier.
- **Web service:**

```
{
  "TrackingNumber":"772221506449",
  "Events":{
    "Timestamp":"2023-05-26T12:30:00+00:00",
    "EventType":"DL",
    "EventDescription":"Delivered",
    "Address":{
      "City":"DALLAS",
      "StateOrProvinceCode":"TX",
      "PostalCode":"75202",
      "CountryCode":"US",
      "Residential":false
    },
    "ArrivalLocation":"DELIVERY_LOCATION"
  }
}
```

- Restful:

Old:

```
{
  "output":{
    "completeTrackResults":[
      {
        "trackingNumber":"772221506449",
        "trackResults":[
          {
            "scanEvents":[
              {
                "date":"2023-05-26T12:30:00+00:00",
                "eventType":"DL",
                "eventDescription":"Delivered",
                "scanLocation":{
                  "city":"DALLAS",
```

```
"stateOrProvinceCode": "TX",  
    "postalCode": "75202",  
    "countryCode": "US",  
    "residential": false  
  }  
]  
}  
]  
}  
]  
}
```

New:

```
{  
  "TrackingNumber": "772221506449",  
  "Events": [  
    {  
      "Timestamp": "2023-05-26T12:30:00+00:00",  
      "EventDescription": "Delivered",  
      "Address": {  
        "City": "DALLAS",  
        "CountryCode": "US"  
      }  
    }  
  ]  
}
```

#19 - 06/27/2024 07:09 PM - Junyi Zhang

- File deleted (OTS_FedEx_Restful_api_20240625.7z)

#20 - 06/27/2024 07:09 PM - Junyi Zhang

- File *OTS_FedEx_Restful_api_20240627.7z* added

#21 - 06/28/2024 10:47 AM - Xihua Fan

- Due date changed from 06/30/2024 to 07/31/2024

#22 - 07/30/2024 11:31 AM - Xihua Fan

- Due date changed from 07/31/2024 to 08/16/2024

#23 - 08/16/2024 07:02 PM - Xihua Fan

- Due date changed from 08/16/2024 to 08/30/2024

To Niko

1. 8/23 commit Git, Git Apache
Note

#24 - 09/02/2024 06:54 PM - Junyi Zhang

Output 2024/09/02)

1. BugFix: Tracking function only display the latest tracking information, which should display all the tracking history information.
 1. Solution: Modify FedEx Restful api, and get all the tracking history information instead the latest one.
 2. Change scope:
 - protected/components/TrackingFedEx.php

#25 - 09/02/2024 06:55 PM - Junyi Zhang

- Status changed from ☐ to ☐

- % Done changed from 90 to 100

#26 - 10/08/2024 10:57 AM - Xihua Fan

- Target version set to v3.0

Files

clipboard-202405301122-uanwd.png	50.4 KB	05/30/2024	Xihua Fan
OTS_FedEx_Restful_api_20240627.7z	10.1 KB	06/27/2024	Junyi Zhang