



防制洗錢暨打擊資恐系統

# AML系統介接說明



Jason.Lee

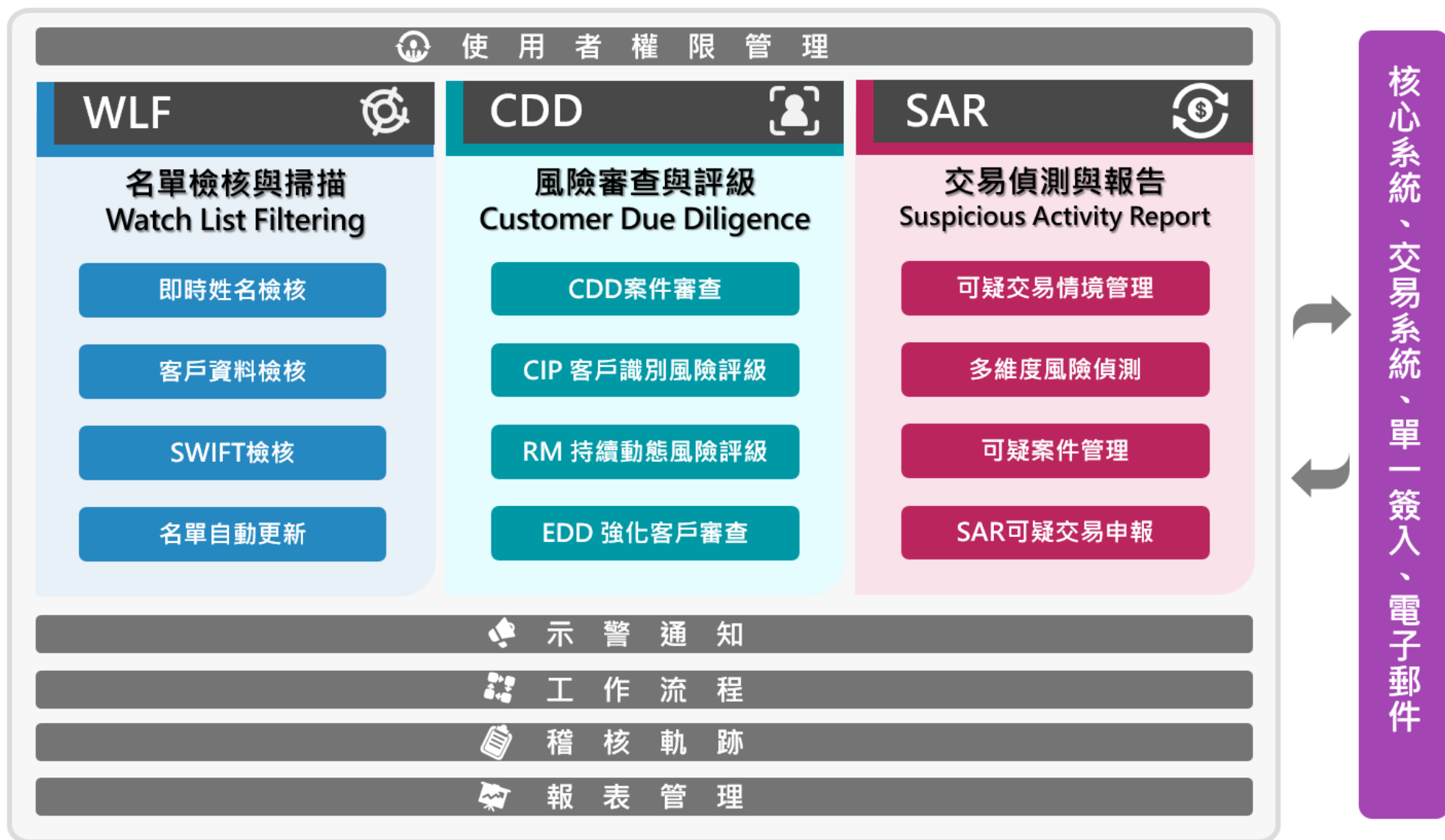


2021/9/14

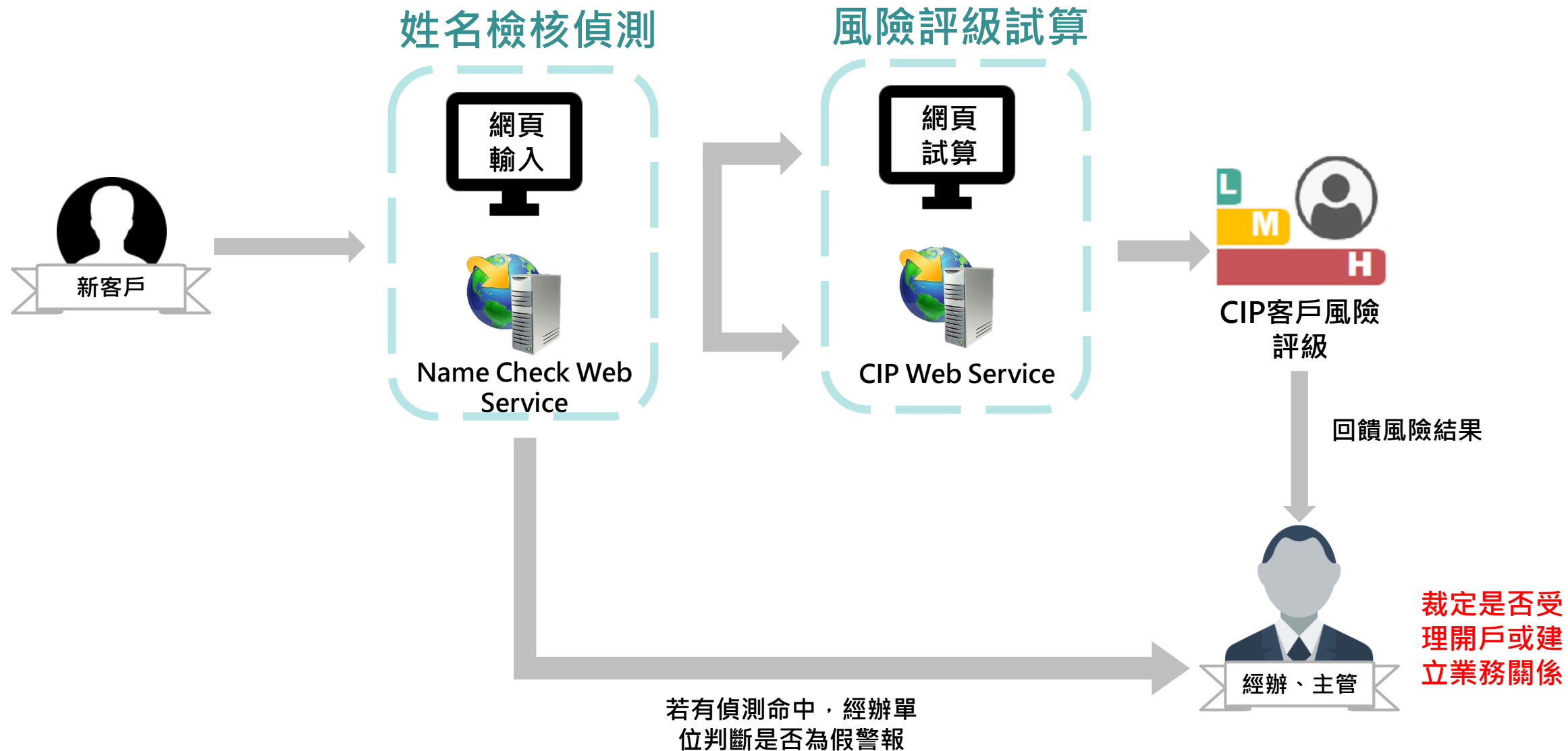
# Agenda

- 系統回顧
- 業務流程 – 開戶作業
- 業務流程 – 舊戶建立新業務
- 業務流程 – 電文交易
- 業務流程 – 貿易融資/國內匯款

# 系統回顧



# 業務流程 – 開戶作業

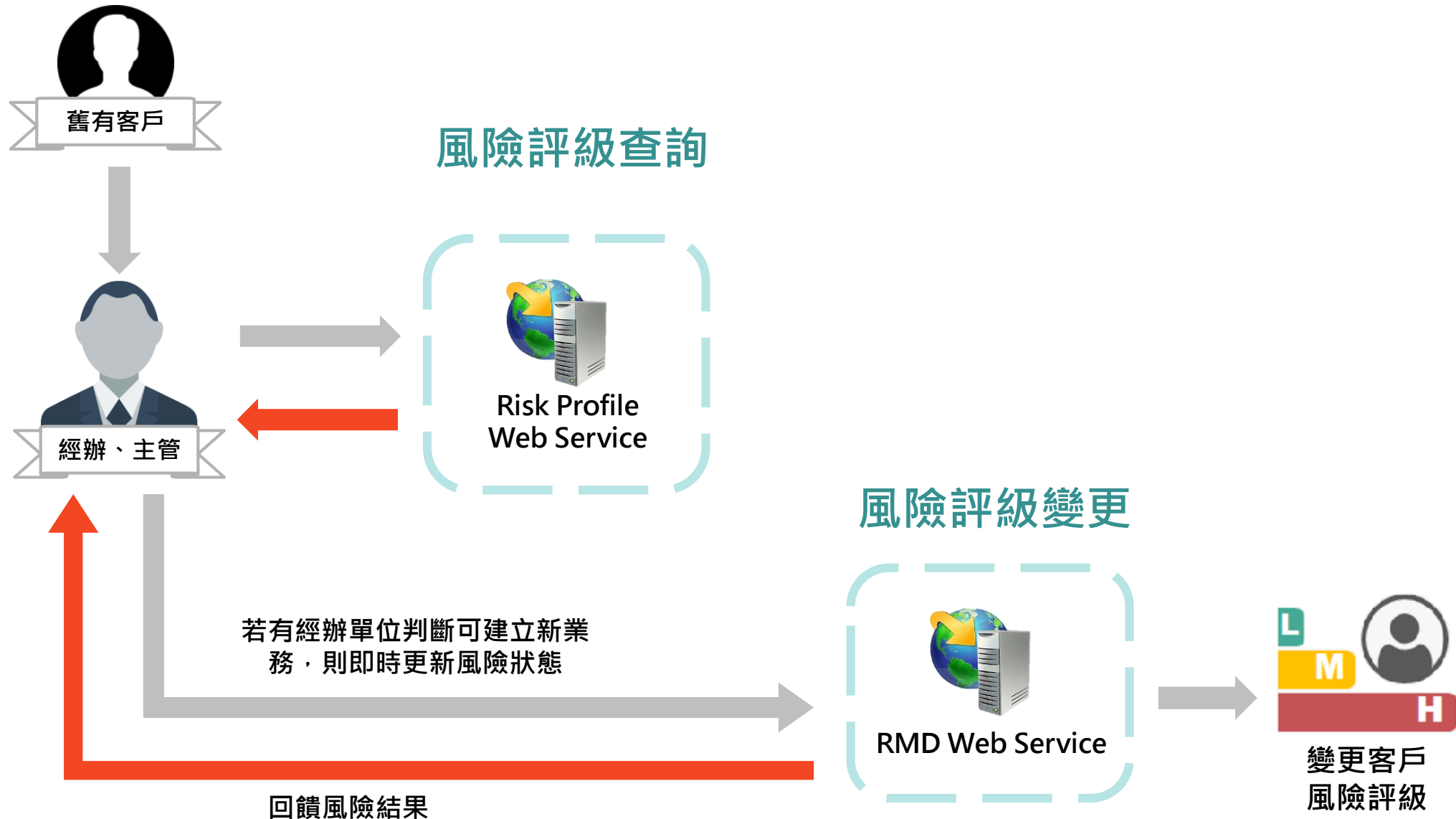


# 業務流程 – 開戶作業

## 介接API清單

API	說明	資料格式	Return
Name Check Web Service	姓名查詢	XML	是否命中起案、RC分數
NMCHK Feedback Web Service	查詢案件狀態	XML	案件狀態、案件審查結果
CIP Web Service	未開戶風險查詢	JSON	風險分數、風險等級

# 業務流程 – 舊戶建立新業務

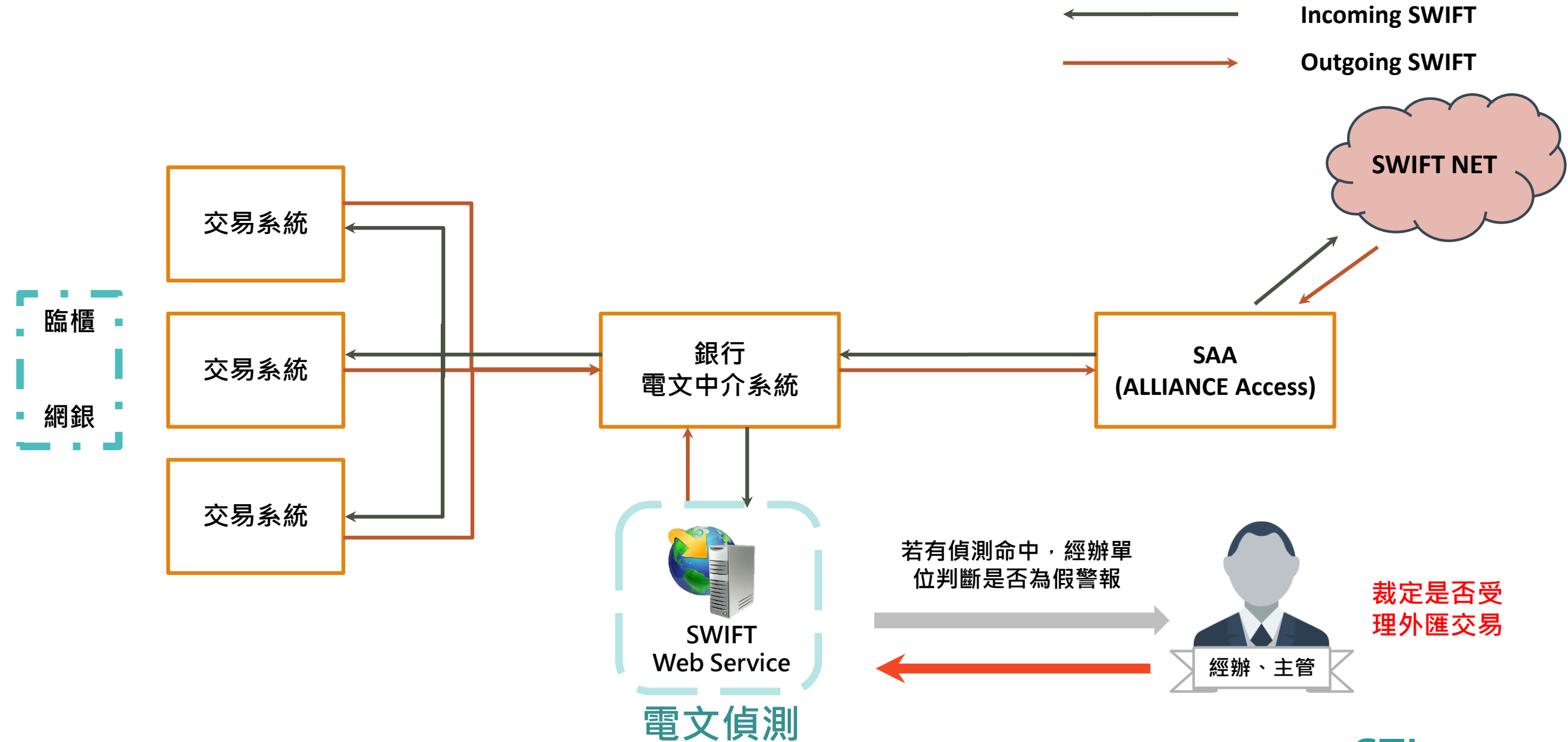


# 業務流程 – 舊戶建立新業務

## 介接API清單

API	說明	資料格式	Return
Risk Profile Web Service	風險評級查詢	JSON	風險分數、風險等級
RMD Web Service	風險評級變更 (若有需求)	JSON	風險分數、風險等級

# 業務流程 – 電文掃描





# 業務流程 – 電文掃描

## 介接API清單

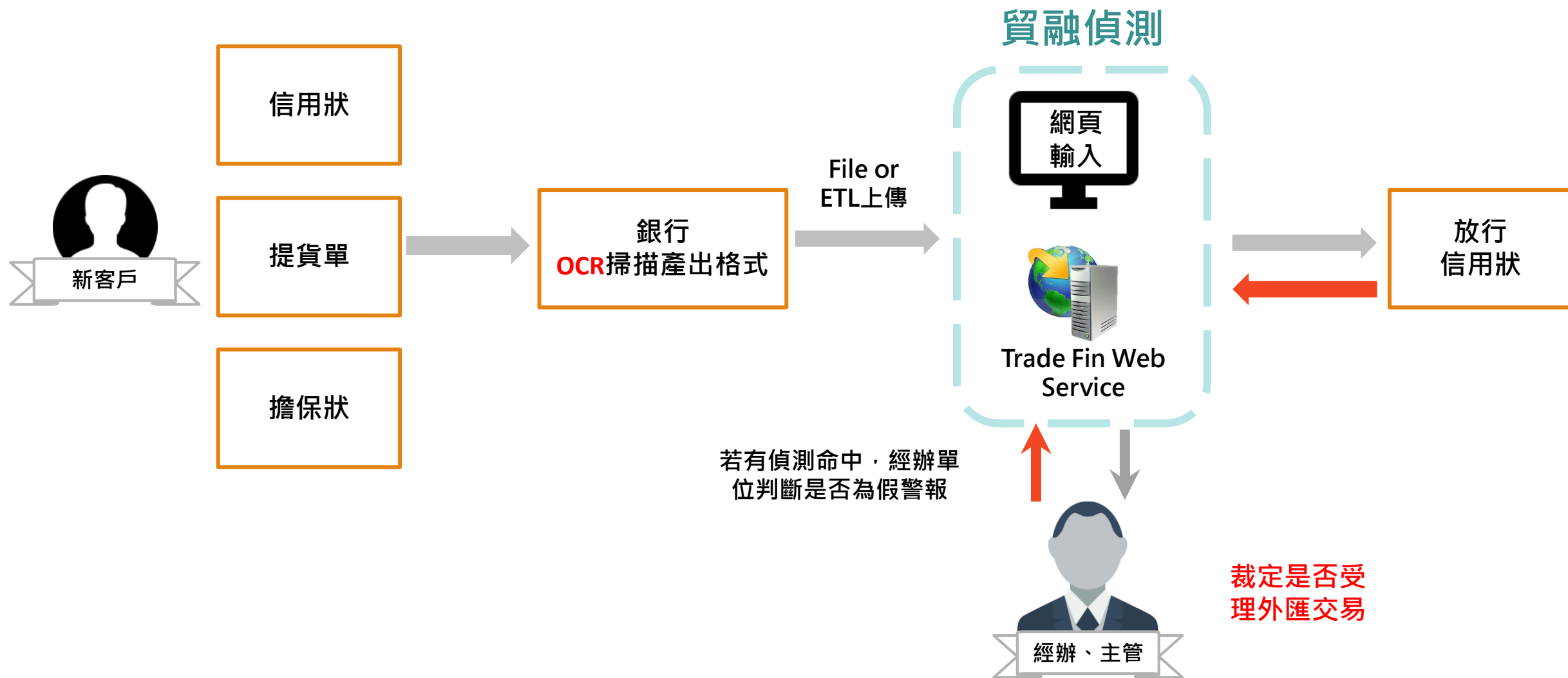
API	說明	資料格式	Return
SWIFT Web Service	電文偵測發送	XML	ACK code
SWIFT message scanning progress	電文偵測狀態查詢	XML	ACK code

## SWIFT Client

API	說明	資料格式	Return
Processor returns the detection result	審查電文結果回饋	XML	ACK code

# 業務流程 – 貿易融資

為讓使用者針對貿易融資相關資訊進行檢核是否符合或是疑似禁制名單。



## ■ Dimension 設定表

1 | `SELECT * FROM TradeFin_BlackListSetting`

106 %

結果 訊息

	ColumnName	List	ListID	Enabled	ShowFlag
1	Shipping_Company	OFAC	NULL	Y	Y
2	Forwarder	OFAC	NULL	Y	Y
3	Agent	OFAC	NULL	Y	Y
4	Carrier	OFAC	NULL	Y	Y
5	Shipper_Name	OFAC	NULL	Y	Y
6	Consignee_Name	OFAC	NULL	Y	Y
7	Notify_Party	OFAC	NULL	Y	Y
8	Vessel_Name	OFAC	NULL	Y	Y

# 業務流程 – 貿易融資

## 介接API清單

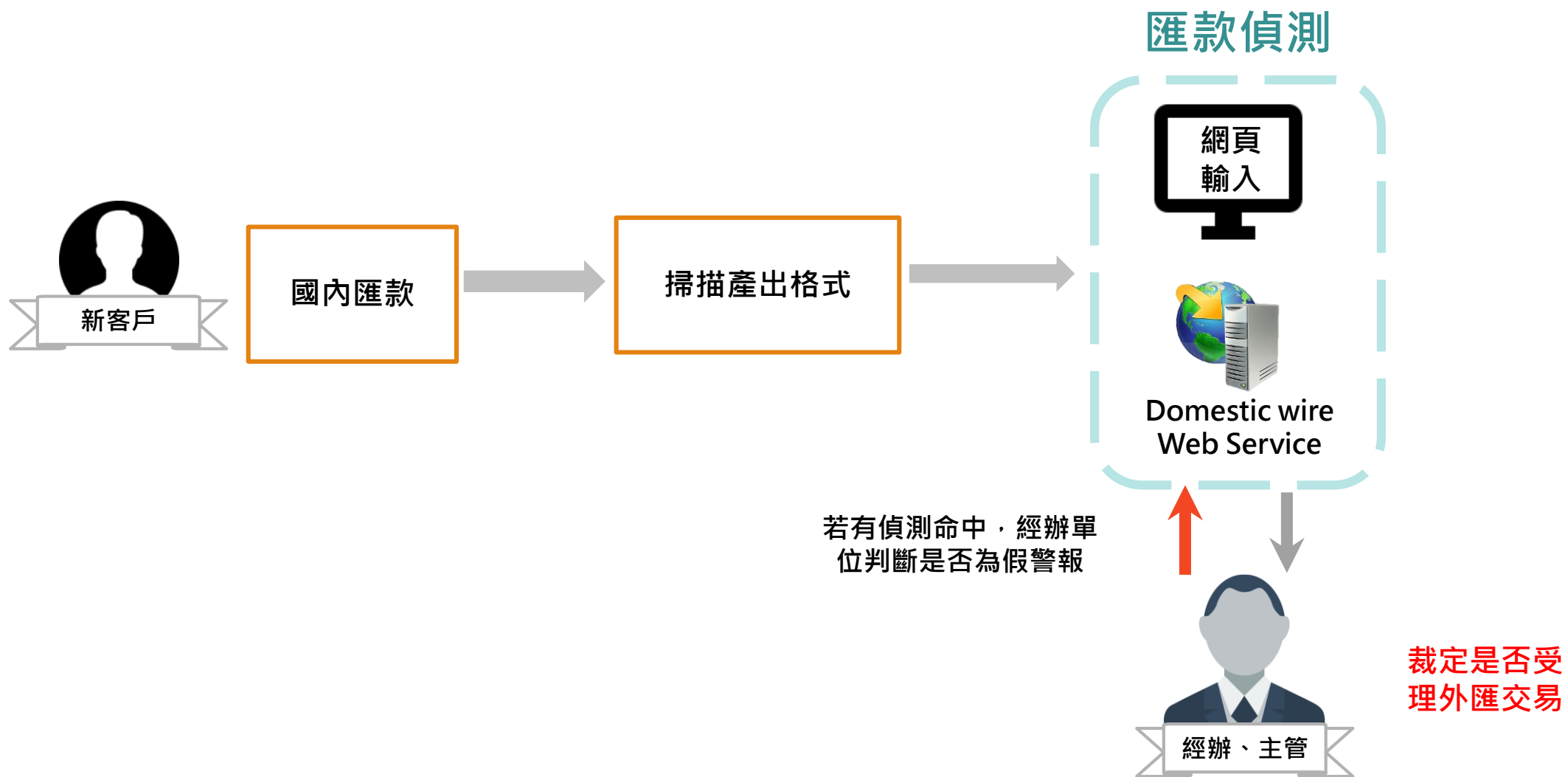
API	說明	資料格式	Return
TradeFin Enquire Scanning Progress	貿融資訊狀態查詢	JSON	ACK code

## TradeFin Client

API	說明	資料格式	Return
TradeFin detection result	貿融偵測回饋	JSON	ACK code
TradeFin Reviewed result	貿融案件結案回饋	JSON	ACK code

# 業務流程 – 貿易融資/國內匯款

為讓使用者針對**國內匯款**相關資訊進行檢核是否符合或是疑似禁制名單。



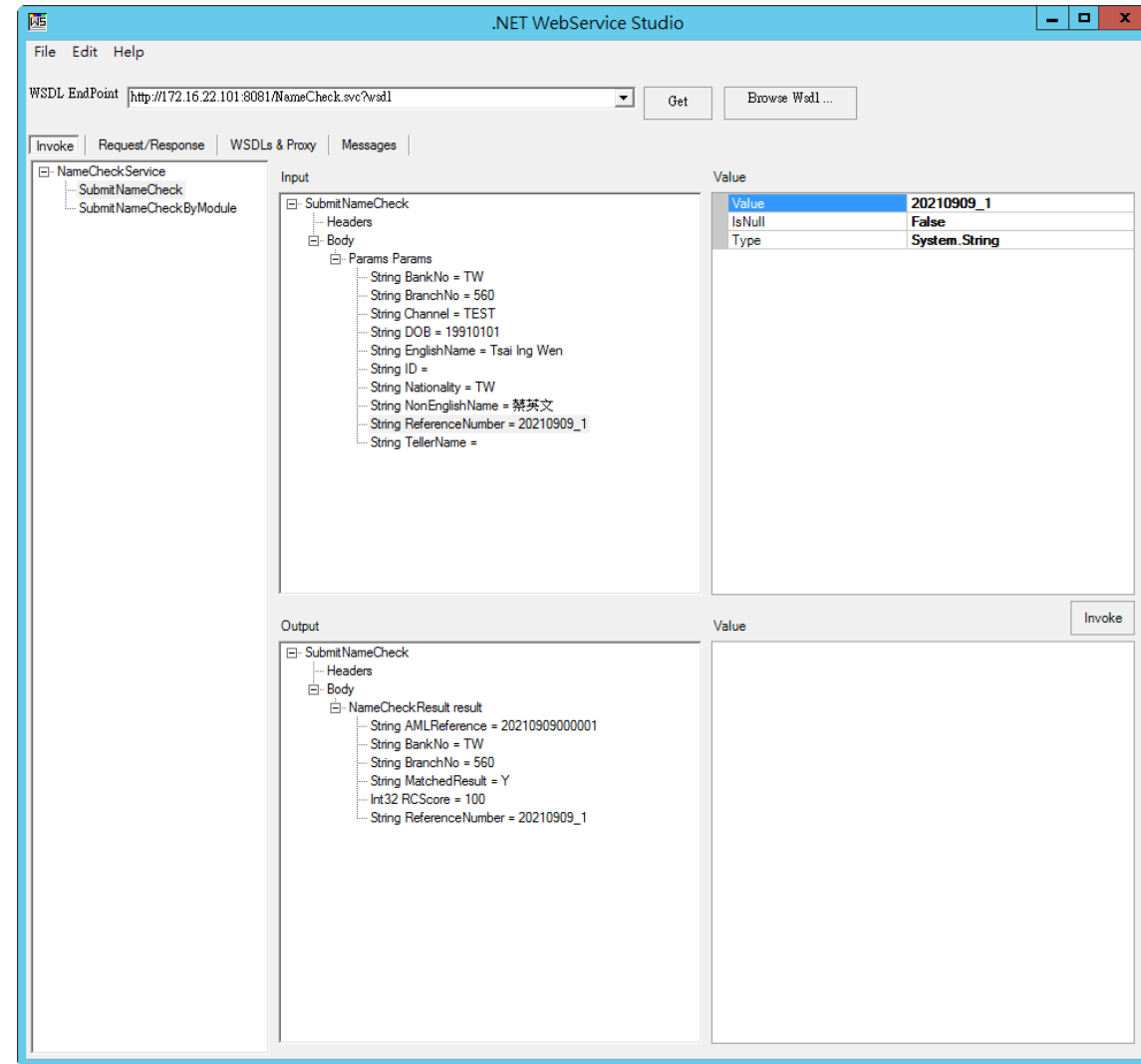
# 業務流程 – 貿易融資/國內匯款

## 介接API清單

API	說明	資料格式	備註
Domestic wire Web Service	國內匯款發送	XML	是否命中起案、RC分數

# API - NMCHK測試(xml)

## ■ 使用Microsoft .NET工具



# API - NMCHK測試(xml)

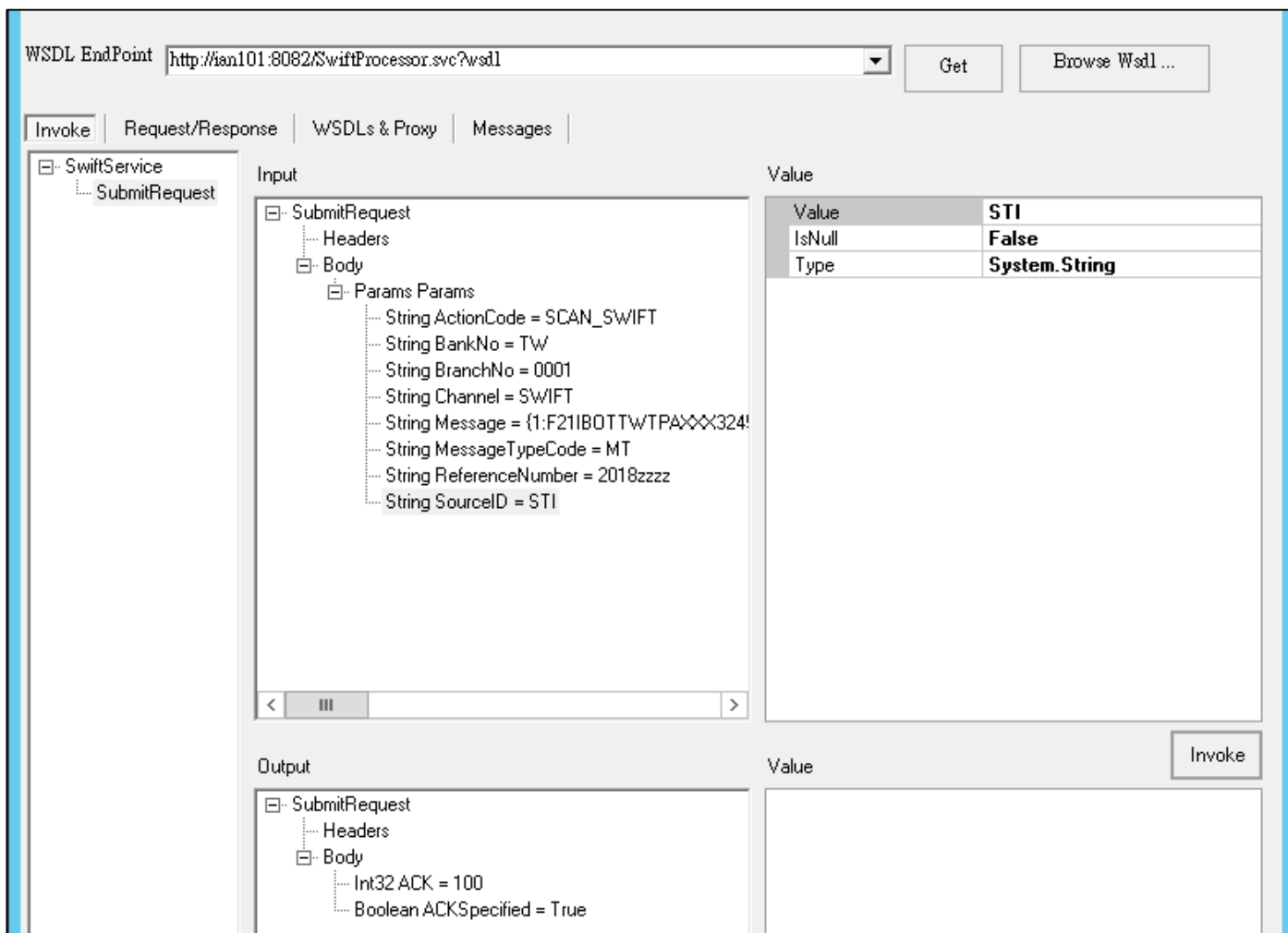
## ■ 查看log，預設為C:\logs

```
DateTime=2020-07-14T13:08:30.9415588Z
System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2020-07-14T21:08:31.2455763+08:00" Source="TransportSend" Type="System.ServiceModel.Channels.BodyWriter"
DateTime=2020-07-14T13:08:31.2455763Z
System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2020-07-14T21:08:31.5925962+08:00" Source="TransportSend" Type="System.ServiceModel.Channels.BodyWriter"
DateTime=2020-07-14T13:08:31.5935959Z
System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2020-07-14T21:08:31.9296097+08:00" Source="TransportSend" Type="System.ServiceModel.Channels.BodyWriter"
DateTime=2020-07-14T13:08:31.9306206Z
System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2020-07-14T21:08:44.3513267+08:00" Source="TransportReceive" Type="System.ServiceModel.Channels.Message"
DateTime=2020-07-14T13:08:44.3523486Z
System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2020-07-14T21:08:45.3563795+08:00" Source="TransportReceive" Type="System.ServiceModel.Channels.Message"
DateTime=2020-07-14T13:08:45.3573806Z
System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2020-07-14T21:08:45.4023796+08:00" Source="TransportReceive" Type="System.ServiceModel.Channels.Message"
DateTime=2020-07-14T13:08:45.4033829Z
System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2020-07-14T21:08:45.4883835+08:00" Source="TransportReceive" Type="System.ServiceModel.Channels.Message"
DateTime=2020-07-14T13:08:45.4893931Z
System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2020-07-14T21:08:45.5103858+08:00" Source="TransportReceive" Type="System.ServiceModel.Channels.Message"
DateTime=2020-07-14T13:08:45.5113895Z
System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2020-07-14T21:08:45.5353914+08:00" Source="TransportSend" Type="System.ServiceModel.Dispatcher.OperationContract"
DateTime=2020-07-14T13:08:45.5353914Z
System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2020-07-14T21:08:45.8344147+08:00" Source="TransportSend" Type="System.ServiceModel.Dispatcher.OperationContract"
DateTime=2020-07-14T13:08:45.8344147Z
System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2020-07-14T21:08:45.9134230+08:00" Source="TransportSend" Type="System.ServiceModel.Dispatcher.OperationContract"
DateTime=2020-07-14T13:08:45.9144123Z
System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2020-07-14T21:08:45.9694210+08:00" Source="TransportSend" Type="System.ServiceModel.Dispatcher.OperationContract"
DateTime=2020-07-14T13:08:45.9704185Z
System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2020-07-14T21:08:46.0284232+08:00" Source="TransportSend" Type="System.ServiceModel.Dispatcher.OperationContract"
DateTime=2020-07-14T13:08:46.0294173Z
```



# API - SWIFT測試(xml)

## ■ 使用Microsoft .NET工具



# API - SWIFT測試(xml)

## ■ 查看log，預設為C:\logs

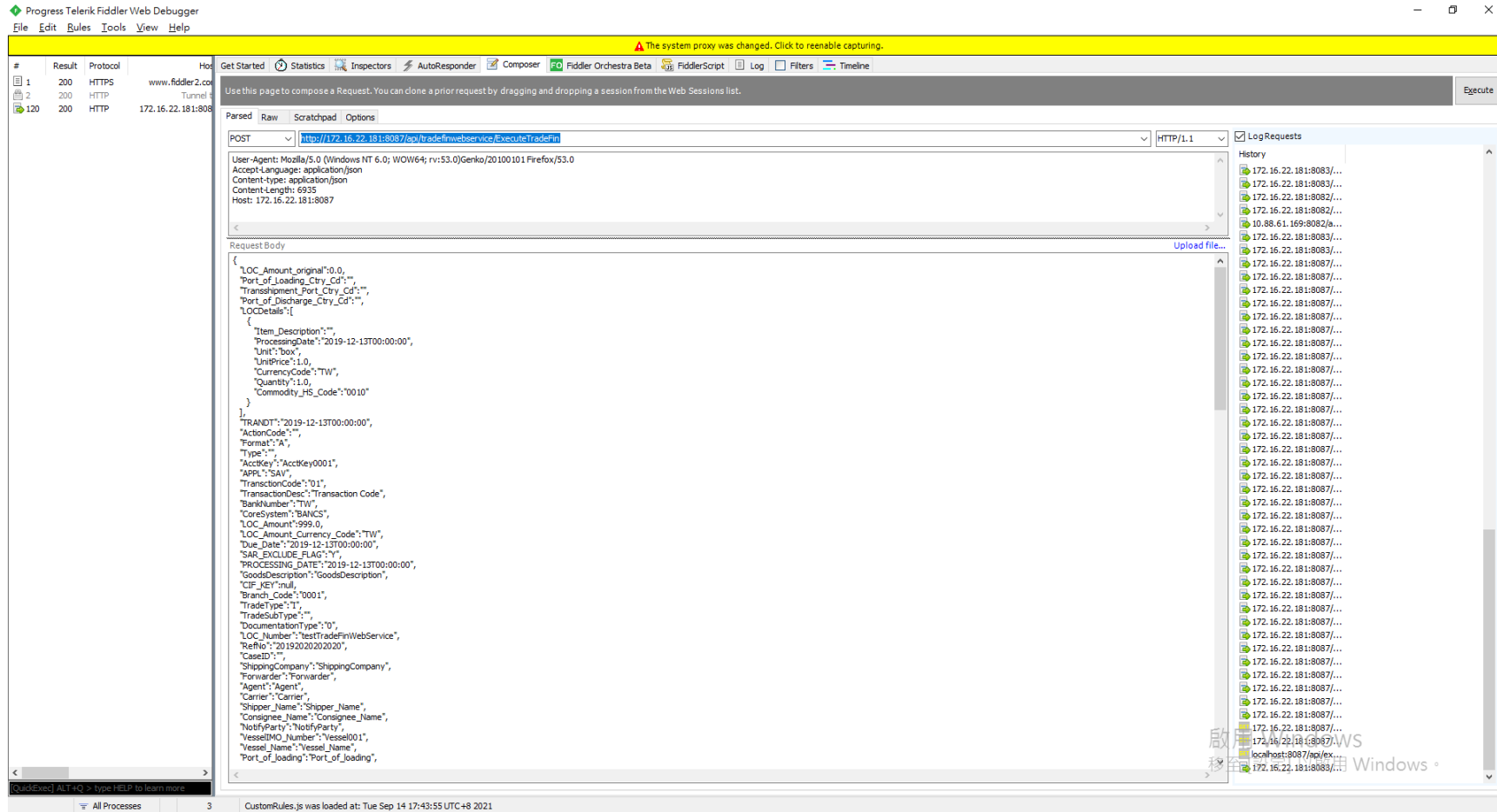
```
1 System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2021-08-19T00:02:09.0605365+08:00" Source="TransportReceive" Type="System.ServiceModel.Channels.NullMes
2 System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2021-08-19T00:02:09.1074127+08:00" Source="TransportSend" Type="System.ServiceModel.Description.Service
3 System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2021-08-19T00:02:15.3614226+08:00" Source="TransportReceive" Type="System.ServiceModel.Channels.NullMes
4 System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2021-08-19T00:02:15.3614226+08:00" Source="TransportSend" Type="System.ServiceModel.Description.Service
5 System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2021-08-19T00:02:36.5076472+08:00" Source="TransportReceive" Type="System.ServiceModel.Channels.NullMes
6 System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2021-08-19T00:02:36.5086528+08:00" Source="TransportSend" Type="System.ServiceModel.Description.Service
7 System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2021-08-19T00:02:42.7211788+08:00" Source="TransportReceive" Type="System.ServiceModel.Channels.NullMes
8 System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2021-08-19T00:02:42.7221813+08:00" Source="TransportSend" Type="System.ServiceModel.Description.Service
9 System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2021-08-19T10:45:07.6187492+08:00" Source="TransportReceive" Type="System.ServiceModel.Channels.BufferRe
10 System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2021-08-19T10:45:08.2629496+08:00" Source="TransportSend" Type="System.ServiceModel.Dispatcher.Operation
11 System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2021-08-19T10:45:08.2629496+08:00" Source="TransportSend" Type="System.ServiceModel.Dispatcher.Operation
12 System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2021-08-19T10:52:13.2885148+08:00" Source="TransportReceive" Type="System.ServiceModel.Channels.BufferRe
13 System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2021-08-19T10:52:13.6322521+08:00" Source="TransportSend" Type="System.ServiceModel.Dispatcher.Operation
14 System.ServiceModel.MessageLogging Information: 0 : <MessageLogTraceRecord Time="2021-08-19T10:52:13.6322521+08:00" Source="TransportSend" Type="System.ServiceModel.Dispatcher.Operation
```

## ■ API網址如下

- /api/tradeFinWebService/GetValues
- /api/tradeFinWebService/ExecuteTradeFin
- /api/tradeFinWebService/CheckTradeFinStatus

# API - 貿融測試(json)

## ■ 使用Fiddler測試 (POST)



# API - 貿融測試(json)

## ■ 使用Postman測試 (GET)

The screenshot shows the Postman application interface. The top bar includes the Postman logo, menu items (File, Edit, View, Help), and a search bar. Below the menu is a navigation bar with 'Home', 'Workspaces', 'Reports', and 'Explore'. A green notification bar at the top states: 'An update has been downloaded for Postman. Restart now to install the update.' with a 'Restart' button.

The main workspace is divided into three panels:

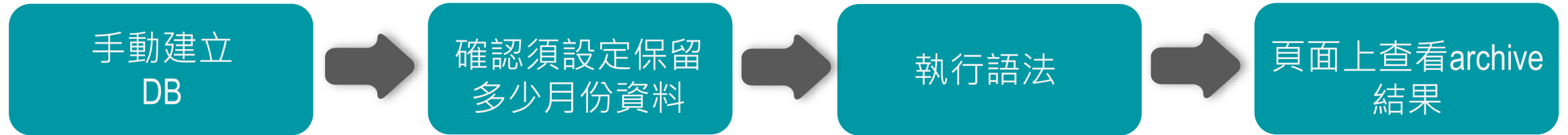
- Left Panel (Collections):** Shows a tree view with 'My Workspace', 'Collections', 'APIs', 'New Collection', 'Environments', 'Mock Servers', 'Monitors', and 'History'.
- Top Panel (Request Editor):** Displays the selected request: 'http://172.16.22.181:8087/api/tradeFinWebService/GetValues'. The method is 'GET'. Below the URL bar are tabs for 'Params', 'Authorization', 'Headers (6)', 'Body', 'Pre-request Script', 'Tests', and 'Settings'. The 'Params' tab is active, showing a table with 'KEY' and 'VALUE' columns. Below this is a 'Query Params' table with columns 'KEY', 'VALUE', and 'DESCRIPTION'. The 'Body' tab is also visible, showing a 'Status: 200 OK', 'Time: 189 ms', and 'Size: 7.75 KB'.
- Bottom Panel (Response):** Displays the response body in 'Pretty' format. The response is a JSON object with the following structure:

```
1 {
2   "LOC_Amount_original": 0.0,
3   "Port_of>Loading_Ctry_Cd": "",
4   "Transshipment_Port_Ctry_Cd": "",
5   "Port_of_Discharge_Ctry_Cd": "",
6   "Invoice": [
7     {
8       "InvoiceDetails": [
9         {
10          "Item_Description": "",
11          "ProcessingDate": "2021-09-14T00:00:00",
12          "Unit": "box",
13          "UnitPrice": 1.0,
14          "CurrencyCode": "TW",
15          "Quantity": 1.0,
16          "Commodity_HS_Code": "0030"
17        }
18      ],
19      "Conditions": "Conditions",
20      "Shipping_Addr_Ctrycd": "TW",
21      "Shipping_Addr": "Shipping_Addr",
22      "Billing_Addr_Ctrycd": "TW",
23      "Billing_Addr": "Billing_Addr",
24      "Vendor_Phone": "TW",
25      "Vendor_Addr_Ctrycd": "TW",
26      "Vendor_Addr": "Vendor_Addr",
27      "Vendor_Name": "Vendor_Name",
28    }
29  ]
30 }
```

The bottom right corner of the interface shows a 'Bootcamp' button and a 'Runner' button. A watermark 'STI' is visible in the bottom right corner.

## ■ 現行規劃

- 將archive出來的資料存放至同一instance下
- 可設定保留幾月內資料
- 可設定DB名字
- 可在網頁上查詢到資料



## ■ 網頁呈現

目錄 (Production) 用戶儀表板 控制台 銀行號碼 (TW) | 分行號碼 (0001) | testuser2 (testuser2) | 退出

美國專利  
Patriot Officer  
名單檢核  
名單設置  
工作群組管理  
Customer Identification Program (CIP) 風險管理  
強化客戶審查 (EDD)  
持續風險評級管理  
報表管理  
名單檢核  
風險管理相關報表  
可疑交易相關報表  
客戶資料  
銀行公會問卷  
工作群組管理  
存檔數據  
CIP存檔數據  
RM存檔數據  
SAR存檔數據  
姓名檢核存檔數據  
客戶檢核存檔數據  
EDD存檔數據  
SWIFT存檔數據  
貿易融資存檔數據  
國內匯款存檔數據  
交易存檔數據  
客戶管理  
可疑交易偵測及申報 (SAR)  
系統管理

### RM存檔數據

HRS存檔數據 ▾

存檔版本:  選擇批次  
建立日期:  至   
最後更新日期:  至   
CIP 風險等級:   
工作群組:   
客戶號碼:   
客戶名稱:   
檢視報告

編號	存檔版本	建立日期
1	ARCHIEVE_BSADBTW_20210912_003	2021/9/12 下午 10:05:52
2	ARCHIEVE_BSADBTW_20210912_002	2021/9/12 下午 10:04:57
3	ARCHIEVE_BSADBTW_20210912_001	2021/9/12 下午 10:02:33
4	ARCHIEVE_BSADBTW_20210912_001	2021/9/12 下午 10:00:02
5	CDD_2018	2021/7/28 下午 03:41:26
6	ARCHIEVE_BSADBTW_20210419_002	2021/4/19 下午 04:56:04
7	ARCHIEVE_BSADBTW_20210419_001	2021/4/19 下午 04:54:59
8	ARCHIEVE_BSADBTW_20200324_005	2020/3/24 下午 02:38:49

確認 取消



## ■ 報表呈現

### RM存檔數據

#### HRS存檔數據 ▾

存檔版本:

建立日期:  至

最後更新日期:  至

CIP 風險等級:

工作群組:

客戶號碼:

客戶名稱:

編號	客戶號碼	客戶名稱	建立日期	客戶類型	工作群組	分行號碼	分數	風險等級	檢測類型
1	<a href="#">000001</a>	<a href="#">FubonSGSimilarAddr011</a>	2021/5/22 下午 08:40:44	Individual Customer	0001	001	31.00	低	Manual
2	<a href="#">000011</a>	<a href="#">TEST NAME</a>	2021/5/22 下午 08:40:44	Business Customer	0001	999	0.00	低	Manual
3	<a href="#">000031</a>	<a href="#">TEST NAME</a>	2021/5/22 下午 08:40:44	Business Customer	0001	999	1338.00	中	Manual
4	<a href="#">000080</a>	<a href="#">TEST NAME</a>	2021/5/22 下午 08:40:44	Individual Customer	0001	999	79.00	低	Manual
5	<a href="#">001P0826</a>	<a href="#">HKtestCIP-P</a>	2021/5/22 下午 08:40:44	Individual Customer	TestGroup1	0001	350.00	低	Manual
6	<a href="#">012115490000652</a>	<a href="#">F</a>	2021/5/18 上午 11:53:23	Business Customer	0001	120C	190.00	低	Manual
7	<a href="#">1555</a>	<a href="#">Donald J. Trump</a>	2021/5/22 下午 08:40:43	Individual Customer	0001	0011	0.00	低	Manual
8	<a href="#">A125109362</a>	<a href="#">Ying-Jeou Ma</a>	2021/5/25 下午 11:32:49	Individual Customer	0001	8150_00_J900307	0.00	低	Daily Review Web Service
9	<a href="#">T2265541001</a>	<a href="#">李X恩X</a>	2021/5/22 下午 08:40:44	Individual Customer	0001	0019	100.00	低	Manual
10	<a href="#">Testcust002</a>	<a href="#">Testcust002</a>	2021/5/17 上午 09:12:09	Business Customer	Test8.2	0001	1539.00	高	Manual

1 [2](#) [3](#)

## ■ 報表呈現

172.16.22.181/PatriotOfficer/ReportManagement/HRS\_ArchiveReport.aspx?CIFKey=0586eef1-73f1-e911-80be-000c29a07cc7&BatchID=13&ArchiveVersion=CDD\_... 172.16.22.181/PatriotOfficer/ReportManagement/HRS\_ArchiveReport.aspx?CIFKey=0586eef1-73f1-e911-80be-000c29a07cc7&BatchID=13&Archiv...

### HRS存檔報表

1 of 2 ? 100% Find | Next

銀行號碼: TW 2021/9  
使用者帳號: testuser2 使用者名稱: testuser2

#### HRS存檔數據

##### 案件信息

編號	風險評級批次編號	客戶號碼	客戶名稱	RM 編號	RM姓名	建立日期	客戶類型	工作群組	分行號碼	處理狀態	使用者
1	HRSB2100013	000001	FubonSGSimiliarAddr011	C101347	邱永玲	2021/4/23 上午 10:14:11	個人客戶	0001	001	完畢	

##### 評估後的風險等級

風險分數	風險等級
31.00	低

##### 分數報告

沒有找到任何記錄

##### 風險審核流程圖

編號	更新日期	審核層級	使用者	動作	備註
1	2021/5/22 下午 08:40:44		System Admin	接受(0) 結果	RMM Autodone !
2	2021/5/18 上午 10:55:52	經辦	testuser2	分配	
3	2021/5/11 下午 02:12:31		System Admin	重設案件	
4	2021/5/11 下午 12:10:26	經辦	testuser3	更新	jjj
5	2021/5/11 下午 12:10:14	經辦	testuser3	分配	
6	2021/5/11 上午 11:53:10		System Admin	重設案件	
7	2021/5/11 上午 11:41:57		System Admin	重設案件	
8	2021/5/10 下午 05:30:28		System Admin	重設案件	
9	2021/5/10 下午 05:13:54		System Admin	重設案件	
10	2021/5/5 下午	經辦	testuser3	分配	

## Q&A

