Travelport Technical Sales and Solution

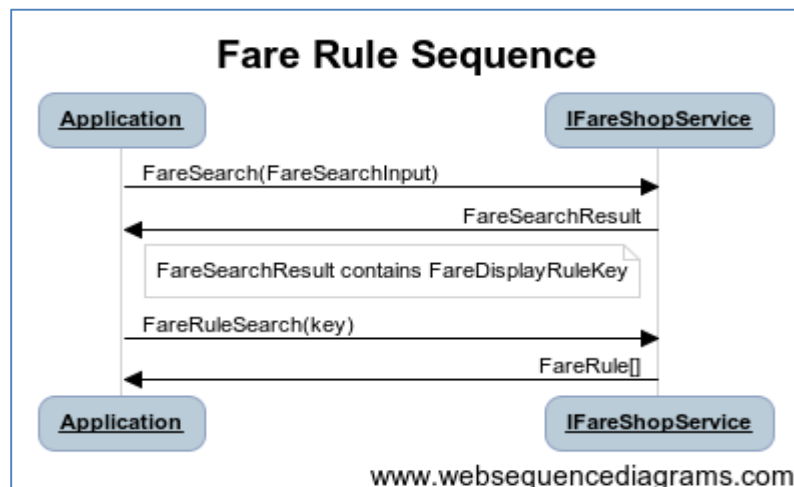**Fare Display .NET Library with uAPI**

Library File to be used:

- Travelport.FareComponents.dll
    - This library defines all the interfaces required for fare display
- Travelport.FareComponents.UAPI.dll
    - This library provides implementation to uAPI

There are 4 main activities for fare display:
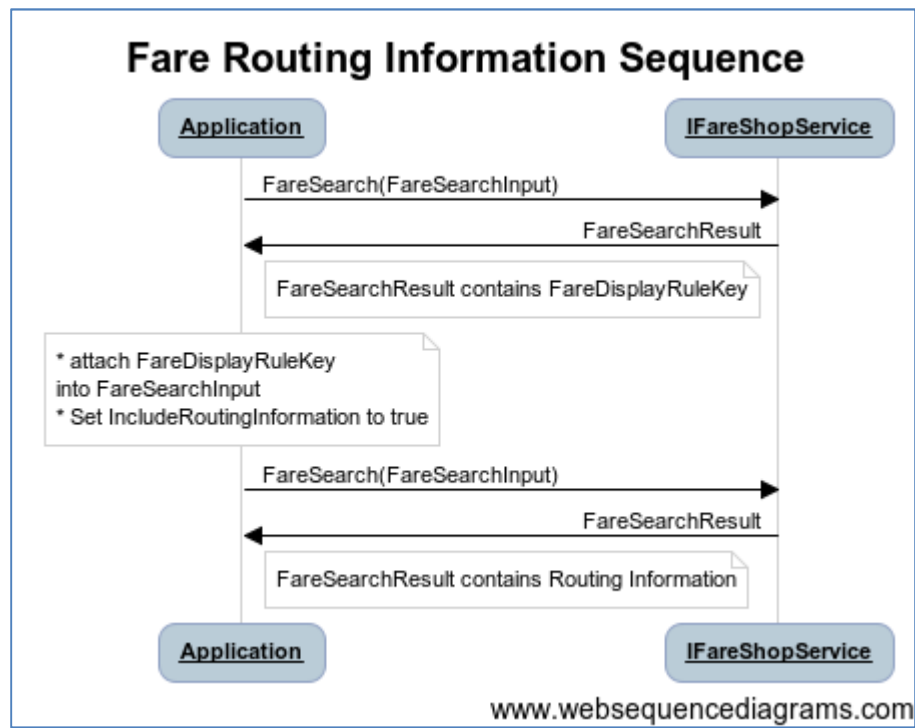
- Fare Search:
    - Use FareSearch defined in IFareShopService, given parameters defined in FareSearchInput .
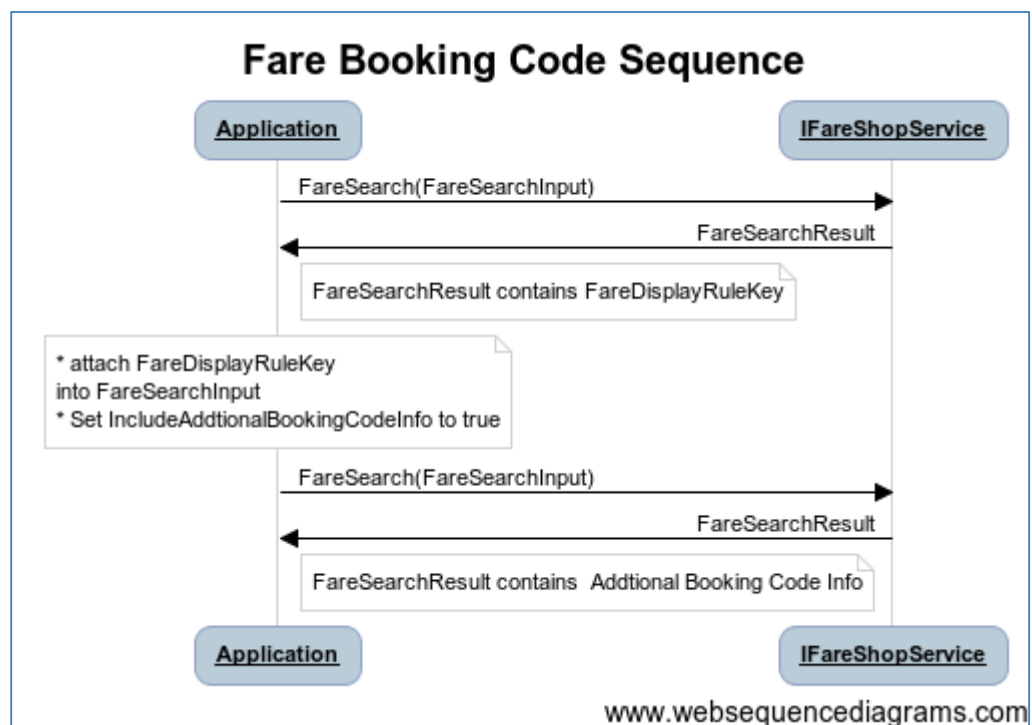

- Display fare rule.
    - Use FareRuleSearch defined in IFareShopService, using FareDisplayRuleKey from result of FareSearch.

- Display fare route.
  - Use FareSearch defined in IFareShopService, given parameters defined in FareSearchInput and FareDisplayRuleKey from result of FareSearch.

- Display fare booking code.
  - Use FareSearch defined in IFareShopService, given parameters defined in FareSearchInput and FareDisplayRuleKey from result of FareSearch.

Sample application:

Fare Search

CARRIER	ORIGIN	DESTINATION	PASSENGER TYPE	BASE FARE	TAXES	TOTAL	FAREBASIS
AR	AKL	RIO	ADT	NZD1700.00			OLS12MNZ
UA	AKL	RIO	ADT	NZD1779.00			WLE05NCA
AR	AKL	RIO	ADT	NZD1900.00			QLS12MNZ
AR	AKL	RIO	ADT	NZD2100.00			LLS12MNZ
UA	AKL	RIO	ADT	NZD2129.00			VLE05NCA
LA	AKL	RIO	ADT	NZD2160.00			NLESP40Y
JJ	AKL	RIO	ADT	NZD2160.00			QLEZP40Y
QF	AKL	RIO	ADT	NZD2160.00			QLBBN
AR	AKL	RIO	ADT	NZD1099.00			LOWNZ
AR	AKL	RIO	ADT	NZD2300.00			NLS12MNZ
LA	AKL	RIO	ADT	NZD2370.00			SLELE40Y
JJ	AKL	RIO	ADT	NZD2370.00			GLEZE40Y
QF	AKL	RIO	ADT	NZD2370.00			NLBBN
AR	AKL	RIO	ADT	NZD2500.00			VLS12MNZ
QF	AKL	RIO	ADT	NZD2560.00			SLBBN
LA	AKL	RIO	ADT	NZD2560.00			VLELE40Y
JJ	AKL	RIO	ADT	NZD2560.00			KLEZE40Y
UA	AKL	RIO	ADT	NZD2629.00			QLE05NCA
AR	AKL	RIO	ADT	NZD2700.00			MLS12MNZ
QF	AKL	RIO	ADT	NZD2990.00			VLBBN
LA	AKL	RIO	ADT	NZD2990.00			MLEFX00Y
JJ	AKL	RIO	ADT	NZD2990.00			MLEZX00Y
UA	AKL	RIO	ADT	NZD3029.00			HLE0ZNCA
QF	AKL	RIO	ADT	NZD1625.00			SLBBOWN
AA	AKL	RIO	ADT	NZD3349.00			LHP2NZ
EK	AKL	RIO	ADT	NZD3359.00			BLE1YNZ1
EK	AKL	RIO	ADT	NZD3464.00			MLE1YNZ1
EK	AKL	RIO	ADT	NZD3569.00			WLE1YNZ1
NZ	AKL	GIG	ADT	NZD1800.00			WLSVAM

Fare Rule (by double clicking on result row above)

FareRules   Routing   BookingCode

CATEGORY	VALUE
	RULE - 018/4ARJ
	UNLESS OTHERWISE SPECIFIED
	SPECIAL FARES FROM SOUTH WEST PACIFIC TO AREA 1
	APPLICATION
	AREA
	THESE FARES APPLY
	FROM S.W. PACIFIC TO AREA 1.
	CLASS OF SERVICE
	THESE FARES APPLY FOR ECONOMY CLASS SERVICE.
0	TYPES OF TRANSPORTATION
	FARES GOVERNED BY THIS RULE CAN BE USED TO CREATE
	ROUND-TRIP/CIRCLE-TRIP/OPEN-JAW JOURNEYS.
	FARES ONLY APPLY IF PURCHASED BEFORE DEPARTURE.
	EXCEPTION-
	MAY BE USED FOR EN-ROUTE UPGRADING FROM A LOWER
	FARE PROVIDED ALL CONDITIONS OF THESE FARES ARE
	MET.
	OTHER CONDITIONS
	PASSENGER EXPENSES NOT PERMITTED
	FOR BASIC SEASON FARES
3	PERMITTED 01FEB THROUGH 30NOV ON THE FIRST INTERNATIONAL
	SECTOR.
	UNLESS OTHERWISE SPECIFIED
	THE FARE COMPONENT MUST NOT BE ON
	ONE OR MORE OF THE FOLLOWING
	AM FLIGHTS 3000 THROUGH 9999
	CZ FLIGHTS 501 THROUGH 599
	CZ FLIGHTS 701 THROUGH 799
	CZ FLIGHTS 1001 THROUGH 1999
	CZ FLIGHTS 4001 THROUGH 4999

Fare Routing (by double clicking on result row above)

FareRules Routing BookingCode

INFORMATION

```
AKL-RIO SAT-20JUL13 AR              ADULT FARES                          CX   FARE  FARE   C AP MIN/   SEASONS......
NZD   BASIS      MAX          14  AR  2500.00R VLS12MNZ V   |  /12M  01FEB4-30NOV4 R  PA                        S
ROUTE: 0008              AKL(EK)SYD-BUE-RIO              AKL(EK)SYD-BUE(AR/G3)RIO            AKL(EK)SYD-
AKL(NZ)SYD-BUE-RIO                AKL(NZ)SYD-BUE(AR/G3)RIO              AKL(NZ)SYD-BUE-IGR-RIO
SYD-BUE-RIO              AKL(DJ/VA)SYD-BUE(AR/G3)RIO            AKL(DJ/VA)SYD-BUE-IGR-RIO               A
AEP-RIO           AKL(DJ/VA)SYD-EZE-AEP(AR/G3)RIO          AKL(DJ/VA)SYD-EZE-AEP-IGR-RIO             AKL(
RIO              AKL(EK)SYD-EZE-AEP(AR/G3)RIO            AKL(EK)SYD-EZE-AEP-IGR-RIO             AKL(NZ)SYD
AKL(NZ)SYD-EZE-AEP(AR/G3)RIO            AKL(NZ)SYD-EZE-AEP-IGR-RIO
```

Fare Booking Code (by double clicking on result row above)

FareRules Routing BookingCode

INFORMATION

```
014 AKLRIO 20JUL13 AR NZD 2500.00 VLS12MNZ STAY---/12MBK-V
FARE CLS  EXPLANATION                BOOK CODES
--------  ----------------------         ----------
VLS12MNZ  BASIC SEASON INSTANT PURCHASE 2ND LEVEL   V
VLS12MNZ  FARES
VLS12MNZ  BETWEEN S.W. PACIFIC AND AREA 1 FOR ROUND TRIP FARES
VLS12MNZ  FOR ADULT

 BOOKING CODE EXCEPTIONS
  VIA AR  Y   REQUIRED    BETWEEN AEP-EZE
  VIA AR  Y   REQUIRED    WITHIN ARGENTINA
  VIA AR  Y   REQUIRED    BETWEEN AREA 1-ARGENTINA
```

Configuration:

Please make sure your application configuration (App.config or web.config) contains necessary binding as per example below:

```xml
<?xml version="1.0" encoding="utf-8" ?>
<configuration>
  <startup>
    <supportedRuntime version="v4.0" sku=".NETFramework,Version=v4.5" />
  </startup>
  <system.serviceModel>
    <bindings>
      <basicHttpBinding>
        <binding name="AirFareRulesBinding">
          <security mode="Transport">
            <transport clientCredentialType="Basic" />
          </security>
        </binding>
        <binding name="AirFareDisplayBinding"  maxReceivedMessageSize="2147483647">
          <security mode="Transport">
            <transport clientCredentialType="Basic" />
          </security>
        </binding>
      </basicHttpBinding>
    </bindings>
    <client>
      <endpoint address="https://apac.copy-
webservices.travelport.com/B2BGateway/connect/uAPI/AirService"
        binding="basicHttpBinding" bindingConfiguration="AirFareRulesBinding"
        contract="uAPIAirService.AirFareRulesPortType" name="AirFareRulesPort" />
      <endpoint address="https://apac.copy-
webservices.travelport.com/B2BGateway/connect/uAPI/AirService"
        binding="basicHttpBinding" bindingConfiguration="AirFareDisplayBinding"
        contract="uAPIAirService.AirFareDisplayPortType" name="AirFareDisplayPort" />
    </client>
  </system.serviceModel>
</configuration>
```

It is required to have your own uAPI Credential as advised before. In the sample application I have put test credential into ConnectionInfo for temporary use.

Please contact your Travelport account manager to arrange uAPI credential.