



Experion Case Study

Interface with Airline Reservation System



Direct Connection of Staff Travel solution with Airline Reservation System

Overview

Customer Profile

A technology company providing staff travel solutions to the airline industry

Location: United States

Industry: Airline IT Services

Business Situation

Develop a real time data interface connection to an airline reservation system for availability search and booking management

Solution

Web service interface developed using PHP and XML with OpenTravel compliance

Benefits

- Quick development and implementation of the solution using Experion's offshore development team
- Collaborative engagement using the Agile development model gave end to end visibility to offshore development process
- Interface certification by Supplier partner for OpenTravel compliance

Technology

PHP, XML



The client, a US based airline staff travel intermediary, provides an online solution for airline employee travel via its web based platform. The client's solution provides interline travel discounts and markets directly to millions of airline employees worldwide. Other than air travel, the client also provides access to exclusive deals on cruises, tours, hotels, attractions, etc.

The client's solution utilizes an industry standard architecture. A set of connectors link the external Computerised Reservation Systems (CRS) to the core system modules. There is a CRS Driver to provide a common interface to the core software. A generic connector abstraction is provided through the abstract class. The concrete implementation is plugged to this interface at runtime. The connector factory is responsible for delivering the concrete connector class for a specific inventory provider. This gives the ability to add inventory sources to the system without making any major changes to the system. Individual plug-ins (or connectors), handle the services to call the availability search and booking functionality of CRS.

When the client partnered with a new supplier (airline), the platform had to be expanded with a supplier specific connector to connect to the airline reservation system. To support interoperability between the two systems, the interface was required to support OpenTravel specifications.

The client partnered with Experion to develop the solution using Agile development methodology. The connector solution developed by Experion uses the web services exposed by airline reservation system. Standard web service protocols were used to access these web services, which included functionality for air availability & rate requests and booking & booking management. The interface solution was made compliant with OpenTravel air messages.

The project team in Experion's offshore development centre worked as an extension of the client's team. The development environment was extended through a VPN and the code base was shared. The planning, co-ordination and tracking were done on granular basis through daily scrum meetings.

The interface solution was certified by the airline for OpenTravel compliance and is currently live in production environment, delivering thousands of availability and booking requests per day.

About Experion: A 5+ year old company founded and managed by a team of experienced professionals with more than 200+ years of combined experience in technology and international business. Experion has a track record of delivering enterprise, mobile, web and engineering solutions to over 50 customers worldwide. Our customers range from Fortune 500 and Global 2000 corporations to early stage start-ups.

Contact: Experion Technologies (I) Pvt Ltd, 407, Thejaswini, Technopark, Trivandrum, Kerala, India - 695581
Tel+91 471 3047310, Fax: +91 471 3047314 email: sales@experionglobal.com web: www.experionglobal.com

Australia | Dubai | Germany | Netherlands | Switzerland | United States