Product Overview

FUNTION SCOPE

OPTIMISATION



Flights Schedule app is responsible for make available all route, in/out date, flight/day to be used at ecommerce/landings/metas or any other consumer who needs to know the real available flights in the program, all based on the SSIM FILE.(IATA)

Computational

- parallel calculation per route
- configurable out/in-bound date spans (aim 12x1)

infrastructure

- reduce message sizing:
- protobuffers
- dedicated infra per route calculation: azure functions suporting each calculation thread aneSolutions

AirFare Calculate price-availability for each route/date oneway/return delivering fared price for every single combination of flights/rbds/farefam./date.

AirCache allows exposure of Pricing served different providers in a friendly and scalable way, ensuring price accuracy and high performance. Provides intelligence according Flight conditions and Seasonality rules.

Computational

- filter output fares that will not be used in calendars (take lower rbd per flight/day) before delivery to Promos
- optimise internal calculations based on RT flights being calculated for period lager than one month

Communications

reduce comms overhead: adapt interfacing to route/date-period instead of route/date

Promos is responsible of calculating a discounted pricing for each fare (route/flight/date/rbd) submited to it. utions

Interfacing is currently route/date/fare-batch oriented Computational

promocode leveled behaviour evaluation strategy

communications

Reduce comms overhead: potential embeding into AirFare to avoid service interfacing/communications overhead

Min Price & CALENDARS



Calendars app is responsable of delivering mainly two types of results:

- a) Landing calendars: cheapest per day price oriented
- Meta calendars: cheapest b) per day/flight price oriented

Transformation of internal calendar representation into 3rd parties (eg. GoogleFlights) is not par of Calendars app. This tasks is to be achieved by adhoc

ETL modules/processes

Airfare is a solution built and deployed in Microsoft Technologies by a specialist software provider that works in disruptive technologies in the aviation sector.

Use Cases: Airplane Solutions

- **Common Use Case:** Expose the inventory served by AirShopping (Amadeus) using NDC Contracts, keeping the price accuracy and high performance.
- Minimum prices: wrappers to serve calendarized prices for the airline to Landing Pages, Adds or another suscribers based on AirCache framework.
- Air Cache: can handle the priced inventory served by "AirFare", Amadeus or any other source, and store and serve during the optimal time period in order to ensure the quality with high accuracy level.



Fuel

- **Requirements:**
- The airline must periodically provide the SSIM
 file in the format that complies with the IATA
 standard through the available channels:
 Administration Console, Blob Azure, alternatively
 by personalized email.
- The cost of the service will depend on the level of support and volume of routes contracted; will be billed monthly.
- The service will be deployed in SaaS mode, administered and managed by Airplane Solutions.

AirplaneSolutions