Developer Administration Guide

Market Fare View Crowd-Sourced Stream

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Getting Started

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1.1 Introduction

The objective of Market Fare View Crowd-Sourced Stream (MFV) is to provide *Sabre Air Shopping* data in a continuous manner. The Stream includes itineraries obtained from request and response pairs generated by shopping backend systems. The data is filtered out and sorted by Market Fare View according to the parameters specified in this guide.

The data is provided in Grouped Itinerary Response XML or binary (EDFb) message formats and contains up to 200 lowest options for each shopping transaction.

1.2 About This Guide

The purpose of this document is to describe how Market Fare View Crowd-Sourced Stream works and provide details on how to consume the feed. This document also provides details on the message structure. Each chapter is as follows:

- Chapter 1, "Getting Started" explains the purpose of the document, benefits, and details critical information.

- Chapter 2, "XML Structure" contains details about the message structure.

- Chapter 3, "Set-Up Process" contains the set-up process.

1.3 Benefits

Market Fare View Crowd-Sourced Stream provides users with valuable insights into what is being shopped by customers and what is currently offered on the Sabre marketplace. The product streams significant amounts of organic (crowd-sourced) shopping data and makes them available via a standard, easy-to-use format. Market Fare View Crowd-Sourced Stream data is filtered out and sorted by Sabre to deliver expected capabilities and to ensure that no legal and/or contractual bindings with other parties are violated.

The data is provided for the customer, which prevents the customer from having to make numerous calls to Sabre.

1.4 Customer Identification

This service can be used by:

- *Sabre Dev Studio* subscribers.

- Sabre Travel Network customers.

- Third-party customers.

1.5 Scope of Data

MFV Crowd-Sourced Stream:

- Includes organic shopping data

- Includes data from the following point of sale countries: US, CA, AD, AT, BE, CY, DE, ES, FI, FR, GR, IE, IT, LU, MC, MT, NL, PT, SI, SK, SM, AU, CN, ID, IN, JP, KR, MY, NZ, PH, SG, TH, TW, VN, AR, BR, CL, CO, MX, PE, VE, BG, CH, CZ, DK, EE, GB, HU, ME, NO, PL, RO, RU, SB, SE, TR, UA, XU, EG, IL, ZA.

  Note   For the US point of sale, unincorporated territories or insular areas of the US (such as Puerto Rico and Virgin Islands) are excluded.

- Includes round-trips.

- Includes public fares only.

- Includes single passenger, adult fares.

- Includes Economy cabin class fares only.

- Excludes Abacus, Axess, and Infini data.

- Excludes Southwest, Ryanair, Delta, and Easyjet airlines content.

The data processed through Market Fare View is filtered out and sorted to deliver expected capabilities and to ensure that no legal and/or contractual bindings with other parties are violated.

Up to the 200 lowest options along with the currency for each market and date shopped are forwarded in a continuous stream. No currency conversion or data de-duplication is done - every shopping request and response pair is handled separately and forwarded without modifications.

1.6 Data Transfer

The data is sent using HTTPS to an endpoint on the customer side. Messages are dropped on communication errors.

Message Structure

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2.1 Introduction

Market Fare View delivers Sabre Shopping Data in Grouped Itinerary Response (GIR) XML or JSON message formats. Grouped Itinerary Response (GIR) XML is a recommended data format.

An example of [Grouped Itinerary Response XML](#) message is available on Sabre Dev Studio. The format provides greater efficiencies in the XML structure of results, because it eliminates duplication of data elements. In the GIR XML message, repetitive data elements (such as schedules, tax, and fare components) are grouped and referenced in itineraries.

This chapter includes high-level XML elements and descriptions.

2.2 XML Elements

Following are descriptions of high-level XML elements available in GIR:

Element	Description
GroupedItineraryResponse/ScheduleDesc	Schedule dictionary located at the top of the response, referenced with an ID and used to build legs (LegDesc section).
GroupedItineraryResponse/TaxDesc	Tax dictionary located at the top of the response, referenced with an ID and used to build itineraries (Itinerary section).
GroupedItineraryResponse/FareComponentDesc	Fare component dictionary located at the top of the response, referenced with an ID to build itineraries (Itinerary section).
GroupedItineraryResponse/ValidatingCarrierDesc	Validating carrier dictionary located at the top of the response, referenced with an ID to build itineraries (Itinerary section).
GroupedItineraryResponse/LegDesc	Legs with schedules (segments) referenced.
GroupedItineraryResponse/ItineraryGroup/GroupDescription	Information about departure date, departure location and arrival location.
GroupedItineraryResponse/ItineraryGroup/Itinerary	Flight itinerary with references to dictionaries from the top of the message.

GIR XML messages are compressed with gzip and forwarded to the client's endpoint.

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Set-Up Process

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3.1 Introduction

This chapter includes the set-up process for customers.

3.2 Using the Set-Up Process

1. Customer supplies the following information for non-PROD and PROD environments:

    •   Contact data.

    •   HTTPS endpoints including security details.

2. Sabre provides origin IPs and asks the consumer to open firewalls (if applicable).

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