

**Sabre**

**SABRE  
APIs**



# Developer Administration Guide

**Market Fare View Crowd-Sourced  
Stream**

Grouped Itinerary Response XML Schema  
Version 5.4.0

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# Getting Started

# 1

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## 1.1 Introduction

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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 back-end 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 message formats and contains up to 200 lowest fare options for each shopping transaction.

## 1.2 About This Guide

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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

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Market Fare View Crowd-Sourced Stream provides users with valuable insights into what is being shopped by customers and what is currently offered in 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

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This service can be used by:

- *Sabre Dev Studio* subscribers.
- *Sabre Travel Network*® customers.
- Third-party customers.

## 1.5 Scope of Data

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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, and ZA.

**Note** For the U.S. point of sale, unincorporated territories or insular areas of the U.S. (such as Puerto Rico and Virgin Islands) are excluded. It could happen that other Point of sale countries not listed above are also supported, as this is based on customer demand (Sabre marketplace).

- Includes one ways and round trips.
- Includes published fares.
- Possibility to filter agency's own shopping data based on ScCode to include private fares.
- Includes single passenger, adult fares by default. Possibility to increase passenger count and other passenger types.
- Includes Economy cabin class fares by default. Possibility to add other cabins.
- Excludes Southwest, Ryanair 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 fare 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

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

# Message Structure

# 2

## 2.1 Introduction

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Market Fare View delivers Sabre Shopping Data in Grouped Itinerary Response (GIR) XML message format.

An example of [Grouped Itinerary Response XML](#) message version 5.4.0 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 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

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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

## 3.1 Introduction

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This chapter includes the set-up process for customers.

## 3.2 Using the Set-Up Process

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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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