



Walkthrough

API integration

API Integration guidelines:

Our support web site: www.travolutionary.com/HelpDesk

Introduction:

Travolutionary API is a multi- supplier and multi- service aggregation gateway, featuring an extensive set of tools and functions.

Our service is a standard Microsoft © web service, which is using the SOAP protocol.

You can also send requests to our JSON endpoint:

<https://services.carsolize.com:443/BookingServices/DynamicDataService.svc/json>

<https://services.carsolize.com/BookingServices/OrdersService.svc/json>

1. Static Data Download:

Download our hotels static data intended for development purposes from [here](#).

Before going live, you will be provided with production static data files.

Our static data files will be sent to you with 6 different files:

- **Hotels General Details** – a csv file which contains general info about each of our hotel ids: Id, Name, Address, Latitude & Longitude, Star rating, TripAdvisor star rating, Email, Chain, etc.
- **Hotels Descriptions (EN, ES, RU, FR, DE)** – a Large csv file which contains Line #, Paragraph, Title for each Hotel Id.
- **Hotels Facilities** – a csv file which contains FacilityId, FacilityName, FacilityType for each Hotel Id.
- **Hotels Images** – a large csv file which contains ImageUrl, ImageHeight, ImageWidth, Description, Priority (Which image loads first) for each Hotel Id.
- **Hotels Locations** – a csv file which contains all of our available Location Ids and it's details: CountryCode, CountryName, RegionName, LocationName, State, Latitude & Longitude, IATACode, etc.
- **Hotels Cross Mapping** – a csv file which is created on demand (It means that you should contact our support in order to get this file). This csv file contains

2. API Documentation and Functions:

Please read the docs and have general idea about which API call does what:

- [Travolutionary Glossary of Terms](#)
- [Session Management](#)
- [Search](#)
- [GetAdditionalDetails](#)
- [GetCancellationPolicy](#)
- [GetPaymentPreference](#)
- [Book using Cash](#)
- [Book using Credit Card](#)
- [CheckBookingStatus / CancelBooking](#)

3. Know Your Business Flow:

You should know your business flow before the implementation of the API. Please take into consideration the following topics:

- Are you planning to use one of our integrated Payment Gateways to charge consumers Credit Card when booking is made with NET supplier?
- Are you going to work with gross suppliers?

4. Use the “Efficient Search to Book flow recommendations”:

Make sure you are using best practice recommendations for efficient booking flow. See more on dedicated section below.

5. Build Your Company Structure:

Create Nodes and Users Hierarchy.

Do the necessary user / node configurations on b2b, using our [b2b guidance](#).

Adjust you company structure using the b2b according to your Business Flow.

6. Create Your First Test Booking:

Create test bookings with “Cash”, “Credit Card” from Net Suppliers.

Create test bookings with “Credit Card” from Gross Suppliers.

Set different Markups values to see the price & payment difference.

7. Manage Your Orders:

See the payments to each level on the company tree level:

- [Through b2b, using our b2b admin guide.](#)
- [Through our Orders Service.](#)
- [By getting push notifications.](#)

8. Do some error handling on your side:

Errors should be given high priority on your implementation.

When handled on your side, a few of our error codes and messages should save you a lot of bookings, by letting the consumer a second option to book.

In some cases, it allows you to properly validate your website for the consumer input.

For a full list of error codes and their descriptions, please visit [here](#).

9. Choose Suppliers to Go Live with:

[Hotel Suppliers](#)

[Payment Gateways Suppliers](#)

10. Choose Advanced Features:

TripAdvisor, Faster search results with cache, Operate with our b2b on your domain, CC recovery failure, CC fraud management, Auto Re-Book, Hotel Biasing, Hotel Rules, Cancellation Policy enhancements, Dynamic Pricing, Price Absorber, etc.

Efficient Search to Book flow recommendations:

This section is intended to show the best practice for our API implementation.

11. Search with <DetailLevel> “Meta” or “NoPacakges”

Advantages:

- Faster response time from our API
- XML size is smaller by 7-16 times (DEFAULT ~ 16MB, LOW ~ 6MB, META ~ 900 KB) for “heavy” locations, like London.

Under any circumstances - Avoid searching with <DetailLevel> “Default” as it is deprecated and will be removed shortly.

12. Display hotels with “FROM XXX \$” or “FROM XXX \$ TO XXX \$” pricing, as you get the LowestPackagePrice & HighestPackagePrice from our API search response (With <DetailLevel> “NoPacakges”), or with prices per supplier (With <DetailLevel> “Meta”).
13. Call GetAdditionalDetails to get the packages for specific hotel id (Once the consumer clicks on specific hotel to get more rates, rooms descriptions, etc.) with <IncludePackageDetails> “True”, as you already downloaded the static data for all hotels, and do not to get them again from our response. You only need the package details.
14. Call to GetCancellationPolicy with specifying hotel id and ALL the package's ids that were returned for this hotel on search response - Do Asynchronously, or on demand per package. Discard showing rooms that have no CXL policy, i.e. we returned you an error EXXXX for the selected package.
15. Call to "GetPaymentPreferences" when proceeding to booking page in order to obtain which payment methods are applicable and which Credit Card types are accepted.
16. Validate booking information / request, and handle [common error codes](#) on your side.

General observations:

- Please make sure you use compression in your headers (GZIP etc.)
- Please make sure you use HTTPS for booking requests
- Please make sure you know how to use the XML dump logs and how to access them
- Are you familiar with "[Reprice](#)" function? This allows you to validate the package availability with the supplier without making a new search, and to book transparently to the user.