

Technical Guidelines

Booking.com's Affiliate Partner Program API (Demand API) provides data for the widest variety of accommodation available in the travel market! The API offers both static (cacheable) data on hotels (pictures, descriptions, property address, name, city, etc.) as well as real time pricing and availability data in 40+ languages.

These **technical guidelines** provide a broad overview of the most relevant API calls of the Booking.com Affiliate Partner Program API. They represent only a subset of the available static and real-time data. A full overview can be found in the API documentation, provided after being granted access to the full API.

Static data:

Static content data is recommended to be cached. This data changes with less frequency than real-time data. Following is an example of a static API endpoint and the information available.

/hotels endpoint

This endpoint returns hotel and room data. It provides hotel specific information such as the city and country a hotel is based in, hotel facilities, policies, descriptions, payment details.

The room data available in this endpoint shows room descriptions, facilities, photos, room types, rankings, sizes, bed configurations etc.

The /hotels endpoint can be retrieved with a set of different input parameters (array, string and integer).

Array

These inputs are used to limit the results to the specified input parameter:

- Chain ids
- City ids
- Country ids
- District ids
- Region ids

Input used in order to return extra bits of information about hotels.

- Extras (possible values are: hotel_info, payment_details, hotel_photos, hotel_description, hotel_facilities, hotel_policies, room_info, room_photos, room_description, room_facilities)

Provides a list of hotel ids:

- Hotel ids

String

To specify the language code to return the results in:

- Language

Integer

To offset the number of returned rows:

- Offset

The number of rows to return:

- Rows

Real time data:

Real time pricing and availability data is constantly changing. Thus, it is **not permitted to cache** this type of data, rather it needs to be requested each time it is needed.

Following is an example of two real time endpoints and the data available.

/blockAvailability

This endpoint returns a list of all bookable or available rooms at a specific property. You can find detailed information about one hotel per search. The call returns most of the information needed in order to replicate the data available on the Booking.com property page. Best practice is to search for one hotel, if you search for multiple hotels you will get less detail. For that, it is recommended to use /hotelAvailability endpoint.

The /blockAvailability endpoint returns the hotel price for the selected check-in & check-out dates in the input parameter and for the selected currency. Other information such as number of rooms left, maximum rooms in one reservation, meal plans, cancellation timeline, payment terms etc.

There are 3 *required* input parameters in order to retrieve data from this endpoint:

Array

- Hotel IDs - This is the Hotel ID for which you want to check availability (example value = 10179)

String

- Checkin - This is the arrival date. Must be within 360 days in the future and in the format yyyy-mm-dd
- Checkout - The departure date. Must be later than the arrival date and between 1 and 30 days after the arrival date. Must be within 360 days in the future and in the format yyyy-mm-dd

All other input parameters can be found in the full documentation.

/hotelAvailability

This endpoint returns the cheapest available room for each hotel matching the selected check-in and check-out dates. You can search for a hotel in a city, or a list of hotels by using their hotel_ids, up to 300 hotels. The data shows whether the price includes breakfast or other meals and if there is a free cancellation option.

Additional data that is available is payment terms, extra hotel details, policies, amenities, as well as room details and amenities.

The input parameters work similarly as the /blockAvailability endpoint.

The /hotelAvailability endpoint also offers the options parameter to filter the output. This can be used when you are debugging or when you are setting up your initial integration. More information on the input parameters is available in the full documentation.

We advise you to read through the technical and commercial documentation before requesting full API access.