

Busy Rooms IBE Search Integration Documentation

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1. Introduction

1.1 What is Busy Rooms IBE?

Busy Rooms Internet Booking Engine (IBE) is an innovative online booking engine that brings the power of dynamic packaging right to your website.

Busy Rooms IBE combines in a single experience all the online travel products: scheduled, low cost and charter flights to accommodation (like hotel, villa, B&B), and inbound services such as airport transfers, activities, tours and excursions. This is done using either your own inventory or through third party suppliers.

Busy Rooms IBE is unique in its way since it bundles travel products together right onto your own website, allowing you to sell more and directly to your clients. Finally, this is the booking engine that will augment your marketing efforts and yield the results that you need for your ecommerce strategy.

1.2 Document History

A full revision history of this document can be found in the following table.

Version	Date Published	Description	Pages
2.1	2023-12-06	Update Query URL	9
2.0	2023-08-25	Creation of this manual	9

1.3 Introduction – API Integration Specifications

The Search Box is used to query the API to return reservations that match the supplied parameters. Attached to this document, please find a sample Search Box built with HTML, JavaScript and JQuery. This document also includes descriptions of all the parameters.

2. Technical Information

2.1 Integration

To call the search API, all the necessary search parameters need to be provided in the query string. The parameters listed in the table below must be posted with the format displayed in the 'Example' column.

2.2 Query

Parameter	Description	Example
directQuery	Enables direct query mode	true
DateFrom	To set a Minimum Date to the search request. Supported Date OR Integer with number of days to add to today's date	2023-09-18 OR 5
DateTo	To set a Maximum Date to the search request. Supported Date OR Integer with number of days to add to "DateFrom" parameter	2023-09-23 OR 7
languageCode	Sets the Language of the results	EN
currencyCode	Sets the Currency of the results.	EUR
voucherCode	Voucher code to apply to search results	VCH123
ratePlanIds	Set of Rate Plan unique identifiers to limit search results to the specified Rate Plans	[123,456,789]
roomIds	Set of Room unique identifiers to limit search results to the specified Rooms	[987,123,654]
hotelIds	Establishment Unique Identifiers to provide search results relating to the Establishments	[1000,1002,1003]
destinationCodes	Unique destination codes to limit search results within specified areas	[MLA, CFU]
mealPlanCodes	Set of Board unique identifiers to limit search results to the specified Boards	[RO,BB]
promoCode		PRM123
agentUsername	Agent Credentials (Identifier)	AgentUser
agentPassword	Agent Credentials (Password)	AgentPass123
adults	Count of Adult Guests (per room)	2
childrenAges	Comma separated values of Child Ages (per room)	5,7,9
courses	Flag to search for Courses	true
courseIds	Set of Courses unique identifiers to limit search results to the specified Courses	[104,159,178]
flights	Flag to search for Flights	true

destination	Flight Destination code	MLA
destinationName	Flight Destination Name	Malta
origin	Flight Departing from	CFU
originName	Flight Departing from Name	Corfu
tours	Flag to search for Tours	true
themelds	Set of Theme unique identifiers to limit search results to the specified Themes	[12,25,26]
tourIds	Set of Tour unique identifiers to limit search results to the specified Tours	[112,205,245]
searchModules	Modules to include within the Search results Enumeration Values: <ul style="list-style-type: none"> • None • Accommodation • Flights • Transfers • Courses • Tours • Checkout • Payment • ThankYou • Extras 	[Accommodation,Transfers,Courses]
directMarketing	Flag to add Marketing Code to search Results	true
marketingCampaignCode	Set of Marketing Campaign unique identifiers to limit search results to the specified Marketing Campaigns	65acd01a-253c-4961-9a52-a2a8c041754c
affiliateCampaignCode	Set of Affiliate Campaign unique identifiers to limit search results to the specified Affiliate Campaigns	3487963e-9631-4325-80a4-7bdefe3d9afb

2.3 Modules

Parameter	Description	Example
Modules	Array used internally. If the flights property is part of the search request, it is important to pass flights as a parameter. If reservations are part of the search "Accommodation" is required	

Below is a list of controls used to build the form and their recommended type with a reason explaining why this type is recommended.

Fields	Type	Reason
Destination	Dropdown	Limit the user and provide a set of codes which the API will be using to filter data.
Check-In	Datepicker	Restrict date to be in a specific format
Check-Out	Datepicker	Restrict date to be in a specific format
No of Rooms	Dropdown	Limit the number of rooms and the options are always numeric
Adults	Dropdown	Limit the number of adults and the options are always numeric
Children	Dropdown	Limit the number of children and the options are always numeric.
Children Ages	Dropdown	Limit children's ages and the options are always numeric.
Promo Code	Textbox	To allow any type of string input.
Agency Username	Textbox	To allow any type of string input.
Agency Password	Textbox	To allow any type of string input.
Origin Airport	Dropdown	To limit the user and always provide a certain set of airports which the API will be using to filter data.

2.4 Settings

2.4.1 Website ID

The website ID will be supplied by Busy Rooms Support Team. This is used to set the target website to which the response is redirected to. It is also used to filter out the Destinations and Establishments (Hotels).

2.4.2 Language Code

This will set the search API language once redirected. Language must be supported by the search API.

2.4.3 Currency Code

The currency that is displayed in the search API

2.5 Multi Room Search

The search API supports multi room/passengers within a single search. To do a multiple room search the following parameters need to be separated by a '-' to delimit the setting for each room.

Parameter	Description	Example
adults	Count of Adult Guests	Single Room: 2 Multi Room: 2-1-3
childrenAges	Comma separated values of Child Ages	Single Room: 5,7 Multi Room: 5,7-2,1

The order determines the configuration of each room. I.e. The value at each position corresponds to the configuration for each room.

Example 1:

One Room with 2 Adults & 2 children with ages of 5 & 7.

```
adults=2&childrenAges=5,7
```

Example 2:

Two Rooms with the following configuration:

- Room 1: 2 Adults & 2 children having the ages of 5 & 7
- Room 2: 1 Adult & 3 children having the ages of 10,9 & 11

- Room 3: 3 Adults & 0 children

adults=2-1-3&childrenAges=5,7-10,9,11

Example 3:

Two Rooms with the following configuration

- Room 1: 2 Adults & 0 children
- Room 2: 1 Adult & 2 children having the ages of 4 & 3

adults=2-1&childrenAges=-4,3



2.6 API Query sample

<https://api.direct-reservation.net?directQuery=true&websiteID=1000&dateFrom=2024-09-16&dateTo=2024-09-18&LanguageCode=EN¤cyCode=EUR&destinationCodes=MLA&adults=2-1&childrenAges=-4,3&searchModules=Accommodation>

2.8 Integration Examples

The sample HTML page accompanying this document displays a basic search form and implements the construction of the search query.



Hotel Hotel & Flight	
Destination	<input type="text" value="Malta, Malta"/> ▼
Establishment	<input type="text" value="(All)"/> ▼
Check In	<input type="text" value="2023-08-25"/> 
Check Out	<input type="text" value="2023-08-26"/> 
No of Rooms	<input type="text" value="1"/> ▼
<hr/>	
Room 1	
Adults	<input type="text" value="1"/> ▼
Children	<input type="text"/> ▼
<hr/>	
Agent PromoCode	
<input type="button" value="Check Availability"/>	