

# MSF API

DEVELOPER'S GUIDE

TRAVEL PROLOGUE (V2.6 – 29 MAY 2019)

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## Change History

#	Version	Date	Created/Modified By	Verified By	Remarks on changes
1	V2.0A	18 <sup>th</sup> Dec 2017	Winston		Initial commit based on previous MSF API Reference and MSF User Guide.
2	V2.1	13 <sup>th</sup> Feb 2018	Winston		<p>API requires compulsory Guest’s Passport Country of Issuance in 2 API calls</p> <ul style="list-style-type: none"> <li>• /api/MSFHotels/Search</li> <li>• /api/MSFHotels/GetDetailByHotelID</li> </ul> <p>In booking request, user can submit SpecialRequest. Note that special request are subjected to hotel’s acceptance and is not guaranteed.</p> <p>New api request. User can now use TpHotelId to search a hotel’s availability and rates. The new api request is /api/MSFHotels/GetDetailByHotelID</p>
3	V2.2	2 <sup>nd</sup> Mar 2018	Winston		<p>Removes currency parameter in request. Currency will following the user’s account setup.</p> <p>Revised documentation with response parameter description.</p>
4	V2.3	6 <sup>th</sup> June 2018	Winston		New api request where the response will include all available hotels with all available rooms instead of the lowest priced room for each available hotels.
5	V2.3.1	8 <sup>th</sup> June 2018	Winston		Response for all the requests except for Book and Cancel includes TpHotelID.
6	V2.3.2	27 <sup>th</sup> July 2018	Winston		<p>New parameter (RequireOneNamePerRoom) in RateRules response, this parameter will indicate to you if you need to assign 1 guest for every room in your multiple rooms booking.</p> <p>New parameter (InRoomNo) in booking request. This is pegged to traveller data so you are able to assign the guest to the specific room number if necessary. Ability to assign guests to specific rooms when a booking involves more than 1 room.</p>
7	V2.3.3	23 <sup>rd</sup> Oct 2018	Winston		Flowchart for API call sequence
8	V2.4	30 <sup>th</sup> Dec 2018	Winston		New polling feature in Search request. This method will allow the user to retrieve the additional pages of hotels from the various providers and provide a fully sorted list of hotels based on the cheapest provider for each hotel.
9	V2.5	4 <sup>th</sup> Feb 2019	Winston		New feature which allows you to fetch your booking detail.
10	V2.5.1	4 <sup>th</sup> Mar 2019	Winston		<p>Deprecated RoomBedFormat parameter from Search and GetDetailByHotelID.</p> <p>Deprecated CityID from GetDetailByHotelID.</p>

11	V2.5.2	12 <sup>th</sup> Apr 2019	Winston		<p>3 New API requests where user do not need to pass PassportIssuanceCountry. All rates without restrictions will be returned. In this response, the room balance, room category code and bedtype code will also be returned.</p> <p>/api/MSFHotels/Search_V2                  /api/MSFHotels/GetDetail_V2                  /api/MSFHotels/GetDetailByHotelID_V2</p>
12	V2.6	29 <sup>th</sup> May 2019	Winston		<p>Added 3 parameters in Book response. You will now see</p> <ul style="list-style-type: none"> <li>- CancellationPolicy</li> <li>- ImportantInformation</li> <li>- AdditionalInformation</li> </ul> <p>Deprecated request: SearchAllAvailable. This request is no longer supported.</p>

## Introduction

Travel Prologue MSF (Multi-Supplier Framework) API is a JSON Rest API that allow agents to connect to the Travel Prologue hotel information database and book from various hotel suppliers through the Travel Prologue booking system.

### Overview of the API

The MSF API provides a complete set of APIs to allow users to search for hotels given a destination, get detailed information about the hotel and rooms, check that rates are still valid before making a booking, creating new reservations and canceling previous reservations.

### Sequence and Usage of API requests

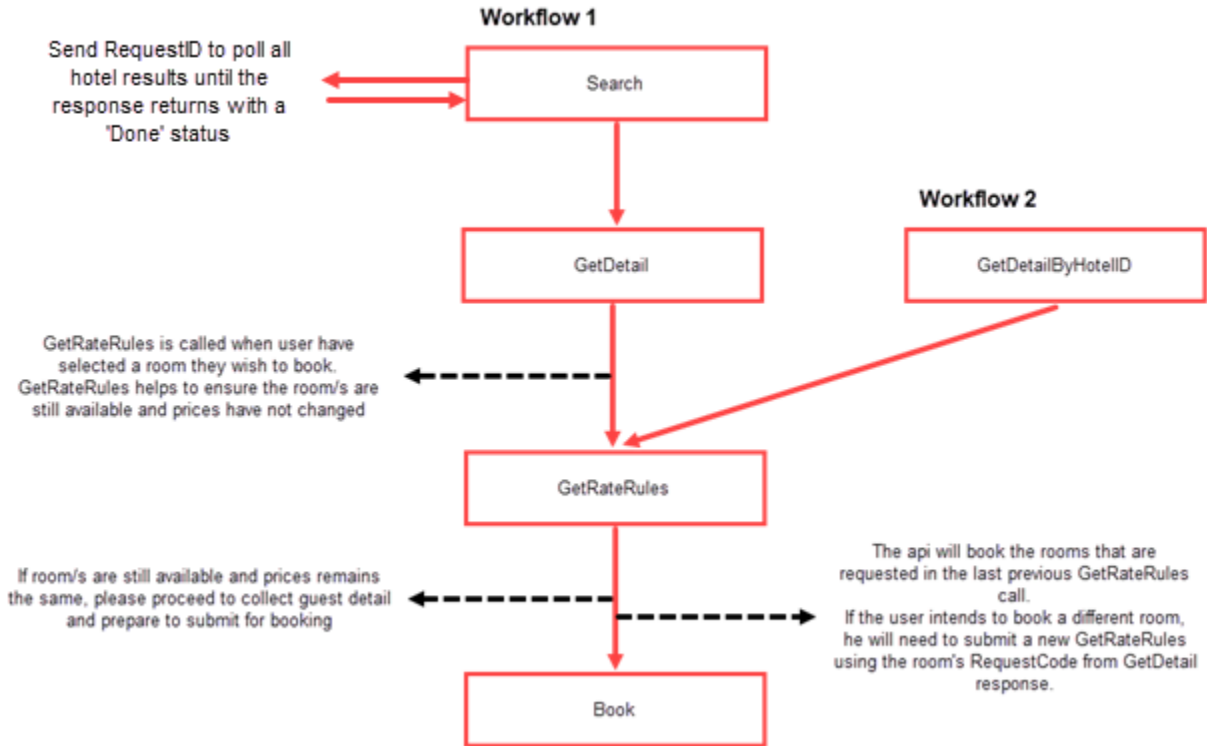
The API requests start with one of the 2 requests below to get availability of rooms and rates.

1. Search – Search all available hotels in a specific city. Selecting the hotel will bring the user to Getdetail request, which search for all available rooms in the selected hotel.
2. GetDetailByHotelID – Search all available rooms for a specific hotel. You can start with this call if you already know which hotel you are looking for, therefore you can skip the Search request.

Once above of the request is called, the user will call the GetRateRules request to get the cancellation details and any other implemented room restrictions.

Book request can only be sent after the user have called GetRateRules for the specific hotel room/s they are going to book, otherwise the booking will not be successful. This is to ensure the user have read the cancellation policy as well as room restrictions.

The flow chart below shows the process of API requests. The 2 workflows represents the starting requests based on the respective 2 above ones:



### API List

The following table shows the list of API requests that can be made to perform bookings. This document goes into detail for each such request and the corresponding response. In the next section **Error! Not a valid bookmark self-reference.**, the requests are explained together using a typical booking flow.

API	URL	Description	Method
Search	/api/MSFHotels/Search	This method will allow the user to retrieve a list of available hotels, their details, lowest rates and promotions based on the dates, rooms, travelers and city that is passed in.	POST
Search (polling results)	/api/MSFHotels/Search	This method will allow the user to retrieve the additional pages of hotels from the various providers and provide a fully sorted list of hotels based on the cheapest provider for each hotel.	POST
Search_V2	/api/MSFHotels/Search_V2	This method will allow the user to retrieve a list of available hotels, their details, lowest rates and promotions based on the dates, rooms, travelers and city that is passed in. This V2 does not require user to pass the guest’s Passport Issuance Country. Likewise, only unrestrictive rates will be returned.	POST
[DEPRECATED] SearchAllAvailable	/api/MSFHotels/SearchAllAvailable	This method returns all available hotels with all available rooms instead of the lowest priced room for each available hotels. <i>*This api request is of a special engagement, for more information, please refer to our Sales team for details.</i>	POST
GetDetail	/api/MSFHotels/GetDetail	This method will allow the user to obtain all room rates of a selected hotel, as well as details of the hotels based on the parameters that have been passed.	POST
GetDetail_V2	/api/MSFHotels/GetDetail_V2	This method will allow the user to obtain all room rates of a selected hotel, as well as details of the hotels based on the parameters that have been passed. This is in continuation for Search_V2 request which does not take guest’s Passport Issuance Country into consideration.	POST
GetDetailByHotelID	/api/MSFHotels/GetDetailByHotelID	This method is similar to Search request except user is able to indicate the specific hotel and obtain all room rates of a selected hotel, as well as details of the hotels based on the parameters that have been passed in.	POST
GetDetailByHotelID_V2	/api/MSFHotels/GetDetailByHotelID_V2	This method is similar to Search request except user is able to indicate the specific hotel and obtain all room rates of a selected hotel, as well as details of the hotels based on the parameters that have been passed in.	POST
GetRateRules	/api/MSFHotels/GetRateRules	This method will allow the user to verify with the provider that the rates previously provided is accurate and that the selected hotel is still available.	POST
Book	/api/MSFHotels/Book	This method will allow the user to book the selected hotel.	POST

Cancel	/api/MSFHotels/Cancel	This method allows the user to perform a booking cancellation.	POST
RetrieveBooking	/api/MSFHotels/RetrieveBooking	This method allows the user to retrieve booking detail	POST

Table 1 Essential API Requests



## Important Concept and Definitions

### Connecting to the API

Use HTTP/HTTPS to connect to the API. The request and response will be in JSON format.

#### Example HTTP/JSON Request

```
{
  "Token" : "ABCDEFGHJKLMNQP",
  "CheckIn": "2017-08-24",
  "CheckOut": "2017-08-26",
  "RoomFormat": "room1=2,0",
  "Adults": 2,
  "Childs": 0,
  "Rooms": 1,
  "PassportIssuanceCountry": "SG",
  "CityID": 5047
}
```

### Message Format

#### Request format

Each request will have the following headers:

1. Parameters. The parameters that make up the request.
2. Type. The type of parameter for eg string, number, boolean, etc
3. Required? Y indicates this parameter is required otherwise the request will be invalid.
4. Remarks. The parameter will be explained possibly with examples.

#### Response format

1. Fields. The keys that make up the response.
2. Type. The type of the field for eg string, number, Boolean, etc.
3. Null? N indicates that this field in the response is \* not \* null.
4. Remarks. The field will be explained possibly with examples.

Note: The ellipse string ‘...’ within the messages will denote repetition of the same items directly before it

### Room Format

The room format is a string that contains highly concise booking request which specifies the number of rooms to book and the *adult and child* combination in each such room.

For example, if the room format is *room1=1,0,7&room2=2,0,3,9*, the following can be inferred:

Firstly, the ‘&’ token in the room format string acts as a separator for each room (so we have a request for 2 rooms in the above case)

Room 1 request (room1= *request ...*)

- 1 adult
- ‘0’ here separates the *number of adult* information from the *number of children* information. The child information in this Room 1 request is 7-1 which is further explained below.
- 7 years old or One Child of age seven

Room 2 request (room2= *request ...*)

- 2 adults
- ‘0’ here separates the *number of adult* information from the *number of children* information. The child information in this Room 2 request is 3,9 which is further explained below.
- 3 means a child of age 3
- 9 means a child of age 9

### Error Response

There are 2 main categories of errors. The first category of errors are internal transfer error, caused by an invalid or malformed request structure. The second category are transactional errors that are raised because it is not possible to serve the originating request for some reason such as invalid Registration information provided, booking already cancelled, unexpected system issues etc.

Error Code	Error Category	Reason
500	Internal server error	Either the request was malformed, or a provider return a result that we could not interpret
	Transactional error	This is an error on the provider end that we are directly relaying back

## Get list of all available hotels

*POST /api/MSFHotels/Search***Permission:** none**Parameter**

Field	Type	Required	Remarks
Token	String	Yes	Token of agency that is assigned to you
CheckIn	String	Yes	Check in date (format: 2017-12-10)
CheckOut	String	Yes	Check out date (format: 2017-12-12)
RoomFormat	String	Yes	Room format (format: room1=2,0)
Adults	Integer	Yes	Num of adults (max. 4 adult per room)
Childs	Integer	Yes	Num of children (max 2 child per room)
Rooms	Integer	Yes	Num of room (max 4 rooms)
PassportIssuanceCountry	String	Yes	2-Letter country code (ex: SG)
CityID	Integer	Yes	CityId (refer to the city mapping data)

**Data example****Parameter**

```

{
  "Token": "ABCDEFGHJKLMNQP",
  "CheckIn": "2017-12-10",
  "CheckOut": "2017-12-12",
  "RoomFormat": "room1=2,0",
  "Adults": 2,
  "Childs": 0,
  "Rooms": 1,
  "PassportIssuanceCountry": "SG",
  "CityID": 5047
}

```

**Response Key Fields**

Fields	Type	Null?	Remarks
HotelsList	Object	N	List of <i>Sequence</i> Objects – see just below.
SearchCriteria	string	N	The search request object, developers can ignore this.
StatusR	string	N	Status of your request. You will receive a null value or 0, both indicates the search is continuing to run in the background hence the current result is not completed.
MaxPrice	string	N	Deprecated. Not in use.

**HotelsList object**

Fields	Type	Null?	Remarks
Sequence	string	N	The ranking of the hotel based on popularity.
CheckIn	string	N	The check in date in yyyy-MM-dd format, for example "2017-08-24".
CheckOut	string	N	The check-out date in yyyy-MM-dd format, for example "2017-08-26".
RoomFormat	string	N	The room format, as explained above, for example "room1=2,0".
Adults	string	N	The total number of adults, for example 2.
Childs	string	N	The total number of child, for example 0.
Rooms	string	N	The total number of rooms, example 1.
Currency	string	N	The currency that is setup in your account.
Destination	string	N	The city, state and country name of the destination being requested: "Singapore, Singapore".
TpHotelID	String	N	The Internal ID of hotel.
HotelID	string	N	The ID of the hotel, for example "134927"
HotelName	string	N	The name of the hotel, for example "Village Hotel Bugis"
Description	string	N	The description of the hotel
HotellImage	string	N	The link of the image of the hotel for example <a href="https://res.cloudinary.com/travelprologue1/image/fetch/s--lm93VDTb--/http://media.expedia.com/hotels/1000000/900000/892800/892751/04de3a5a_b.jpg">"https://res.cloudinary.com/travelprologue1/image/fetch/s--lm93VDTb--/http://media.expedia.com/hotels/1000000/900000/892800/892751/04de3a5a_b.jpg"</a>

StarRating	string	N	The star rating of the hotel "4.0"
AverageNightlyRate	string	N	The average nightly rate of the hotel, for example 182.82
AverageNightlyStrikeRate	string	N	The average nightly strike rate of the hotel, in other words, the nightly rate before discount, whereas the AverageNightlyRate would be the already discounted rate. If this value is 0 or NULL, that means there is no information about discount.
latitude	string	N	The latitude of the hotel
longitude	string	N	The longitude of the hotel
PromotionText	string	N	A string array containing all promotions of this room ["Free Wireless Internet"]
HotelCode	string	N	The same as HotelID "134927"
Provider	string	N	See availToken
availToken	string	N	This token needs to be returned in subsequent requests, for example "JGphcW2k80MGRN7qCdTN"
RoomNo	string	N	Deprecated. Not in use.
FreeCancellable	string	N	Whether or not this rate can be cancelled without penalty
isFreeInternet	string	N	Whether or not this rate includes free Internet
TotalRecords	string	N	Deprecated. Not in use.
RoomDesc	string	N	Deprecated. Not in use.
TotalCostInclusive	string	N	The total cost of the room.
RequestCode	string	N	The code to be used in your next request call, /api/MSFHotels/GetDetail

**Success 200**

```

{
  "HotelsList": [
    {
      "Sequence": 6,
      "CheckIn": "2017-12-10",
      "CheckOut": "2017-12-12",
      "RoomFormat": "room1=2,0",
      "Adults": 2,
      "Childs": 0,
      "Rooms": 1,

```

```

    "Currency": "SGD",
    "Destination": "Singapore, Singapore",
    "HotelID": "80852",
    "TpHotelID": "3c033479c865f395cc3cc204b33d75b99fa89a15",
    "HotelName": "Hotel 81 - Geylang",
    "Description": "In Singapore (Geylang)",
    "HotelImage":
    "https://media.expedia.com/hotels/3000000/2810000/2806500/2806435/2806435_10_b.jpg",
    "StarRating": "2.0",
    "AverageNightlyRate": 60.88,
    "AverageNightlyStrikeRate": 0,
    "latitude": null,
    "longitude": null,
    "PromotionText": [],
    "HotelCode": "80852",
    "Provider": "TmgwtBHgVDh97APF9o8S",
    "availToken": "TmgwtBHgVDh97APF9o8S",
    "RoomNo": 0,
    "FreeCancellable": false,
    "isFreeInternet": false,
    "TotalRecords": 0,
    "RoomDesc": null,
    "TotalCostInclusive": 121.76,
    "RequestCode": "7584b0d2-42e2-48c4-9453-eee5904584e6"
  },
  { ... },
  { ... },
  { ... }
],
"SearchCriteria": {
  "CheckIn": "2017-12-10",
  "CheckOut": "2017-12-12",
  "RoomFormat": "room1=2,0",
  "Adults": 2,
  "Childs": 0,
  "Rooms": 1,
  "Currency": "SGD",
  "Destination": "Singapore, Singapore",
  "HotelId": null,
  "Provider": null,
  "MinStar": 0,
  "MaxStar": 0,
  "StarRange": null,

```

```
"StarCount": null,  
"Amenities": null,  
"ChainCodesIncludes": null,  
"ChainCodesExcludes": null,  
"HotelCode": null,  
"HotelName": null,  
"PageNo": "1",  
"PageSize": null,  
"SortBy": null,  
"DisplayOrder": null,  
"_IsStatus": false,  
"RequestID": 42,  
"CityID": 5047,  
"MaxPrice": 64,  
"MinPrice": 59,  
"TotalAvalibleHotels": 8,  
"Partner": null,  
"RegionId": 0  
},  
"StatusR": 0,  
"MaxPrice": 0  
}
```

## Error

*No data found.*

## Get initial list of available hotels

Search retrieves the initial set of hotels. This list comes from the fastest API provider to return the first set of results in our platform. This set is then return to you while our system continues to fetch the remaining results.

*POST /api/MSFHotels/Search*

**Permission:** none

### Parameter

Field	Type	Required	Remarks
Token	String	Yes	Token of agency that is assigned to you
CheckIn	String	Yes	Check in date (format: 2017-12-10)
CheckOut	String	Yes	Check out date (format: 2017-12-12)
RoomFormat	String	Yes	Room format (format: room1=2,0)
Adults	Integer	Yes	Num of adults (max. 4 adult per room)
Childs	Integer	Yes	Num of children (max 2 child per room)
Rooms	Integer	Yes	Num of room (max 4 rooms)
PassportIssuanceCountry	String	Yes	2-Letter country code (ex: SG)
CityID	Integer	Yes	CityId (refer to the city mapping data)
Initial	String	Yes	Send “True” to indicate to the system this is the first search so return once the first set of result is available. In this scenario, this is always true.

### Data example

#### Parameter



```

{
  "Token": "ABCDEFGHJKLMNQP",
  "CheckIn": "2017-12-10",
  "CheckOut": "2017-12-12",
  "RoomFormat": "room1=2,0",
  "Adults": 2,
  "Childs": 0,
  "Rooms": 1,
  "PassportIssuanceCountry": "SG",
  "CityID": 5047,
  "Initial": "true"
}

```

## Response Key Fields

Fields	Type	Null?	Remarks
HotelsList	Object	N	List of <i>Sequence</i> Objects – see just below.
SearchCriteria	string	N	The search request object, developers can ignore this.
StatusR	string	N	Status of your request. You will receive a null value or 0, both indicates the search is continuing to run in the background hence the current result is not completed.
MaxPrice	string	N	Deprecated. Not in use.

## HotelsList object

Fields	Type	Null?	Remarks
Sequence	string	N	The ranking of the hotel based on popularity.
CheckIn	string	N	The check in date in yyyy-MM-dd format, for example "2017-08-24".
CheckOut	string	N	The check-out date in yyyy-MM-dd format, for example "2017-08-26".
RoomFormat	string	N	The room format, as explained above, for example "room1=2,0".
Adults	string	N	The total number of adults, for example 2.
Childs	string	N	The total number of child, for example 0.
Rooms	string	N	The total number of rooms, example 1.
Currency	string	N	The currency that is setup in your account.

Destination	string	N	The city, state and country name of the destination being requested: "Singapore, Singapore".
TpHotelID	String	N	The Internal ID of hotel.
HotelID	string	N	The ID of the hotel, for example "134927"
HotelName	string	N	The name of the hotel, for example "Village Hotel Bugis"
Description	string	N	The description of the hotel
HotellImage	string	N	The link of the image of the hotel for example "https://res.cloudinary.com/travelprologue1/image/fetch/s--Im93VDTb--/http://media.expedia.com/hotels/1000000/900000/892800/892751/04de3a5a_b.jpg"
StarRating	string	N	The star rating of the hotel "4.0"
AverageNightlyRate	string	N	The average nightly rate of the hotel, for example 182.82
AverageNightlyStrikeRate	string	N	The average nightly strike rate of the hotel, in other words, the nightly rate before discount, whereas the AverageNightlyRate would be the already discounted rate. If this value is 0 or NULL, that means there is no information about discount.
latitude	string	N	The latitude of the hotel
longitude	string	N	The longitude of the hotel
PromotionText	string	N	A string array containing all promotions of this room ["Free Wireless Internet"]
HotelCode	string	N	The same as HotelID "134927"
Provider	string	N	See availToken
availToken	string	N	This token needs to be returned in subsequent requests, for example "JGphcW2k80MGRN7qCdTN"
RoomNo	string	N	Deprecated. Not in use.
FreeCancellable	string	N	Whether or not this rate can be cancelled without penalty
isFreeInternet	string	N	Whether or not this rate includes free Internet
TotalRecords	string	N	Deprecated. Not in use.
RoomDesc	string	N	Deprecated. Not in use.
TotalCostInclusive	string	N	The total cost of the room.

RequestCode	string	N	The code to be used in your next request call, /api/MSFHotels/GetDetail
-------------	--------	---	---

**SearchCriteria object**

Fields	Type	Null?	Remarks
RequestID	string	N	The RequestID of your current search. You will need to use this code in your polling Search request, when you pass this RequestID.

**Success 200**

```

{
  "HotelsList": [
    {
      "Sequence": 6,
      "CheckIn": "2017-12-10",
      "CheckOut": "2017-12-12",
      "RoomFormat": "room1=2,0",
      "Adults": 2,
      "Childs": 0,
      "Rooms": 1,
      "Currency": "SGD",
      "Destination": "Singapore, Singapore",
      "HotelID": "80852",
      "TpHotelID": "3c033479c865f395cc3cc204b33d75b99fa89a15",
      "HotelName": "Hotel 81 - Geylang",
      "Description": "In Singapore (Geylang)",
      "HotelImage":
      "https://media.expedia.com/hotels/3000000/2810000/2806500/2806435/2806435_10_b.jpg",
      "StarRating": "2.0",
      "AverageNightlyRate": 60.88,
      "AverageNightlyStrikeRate": 0,
      "Latitude": null,
      "Longitude": null,
      "PromotionText": [],
      "HotelCode": "80852",
      "Provider": "TmgwtBHgVDh97APF9o8S",
      "availToken": "TmgwtBHgVDh97APF9o8S",
      "RoomNo": 0,
      "FreeCancellable": false,
      "isFreeInternet": false,
    }
  ]
}

```

```

        "TotalRecords": 0,
        "RoomDesc": null,
        "TotalCostInclusive": 121.76,
        "RequestCode": "7584b0d2-42e2-48c4-9453-eee5904584e6"
    },
    {
        {...},
        {...},
        {...}
    ],
    "SearchCriteria": {
        "CheckIn": "2017-12-10",
        "CheckOut": "2017-12-12",
        "RoomFormat": "room1=2,0",
        "Adults": 2,
        "Childs": 0,
        "Rooms": 1,
        "Currency": "SGD",
        "Destination": "Singapore, Singapore",
        "HotelId": null,
        "Provider": null,
        "MinStar": 0,
        "MaxStar": 0,
        "StarRange": null,
        "StarCount": null,
        "Amenities": null,
        "ChainCodesIncludes": null,
        "ChainCodesExcludes": null,
        "HotelCode": null,
        "HotelName": null,
        "PageNo": "1",
        "PageSize": null,
        "SortBy": null,
        "DisplayOrder": null,
        "_IsStatus": false,
        "RequestID": 42,
        "CityID": 5047,
        "MaxPrice": 64,
        "MinPrice": 59,
        "TotalAvalibleHotels": 8,
        "Partner": null,
        "RegionId": 0
    },
},

```

```
"StatusR": 0,  
"MaxPrice": 0  
}
```

**Error**

*No data found.*

## Get list of remaining available hotels (Polling request)

You will receive a RequestID from the request where you send “Initial”: “true”. You will need to send this RequestID in this polling request so that the API returns you the remaining results. You may need to send the request multiple times with the same RequestID until you receive a Done status. Done status means the search has ended, there are no more additional hotel results to be returned to you.

*POST /api/MSFHotels/Search*

**Permission:** none

### Parameter

Field	Type	Required	Remarks
Token	String	Yes	Token of agency that is assigned to you
CheckIn	String	Yes	Check in date (format: 2017-12-10)
CheckOut	String	Yes	Check out date (format: 2017-12-12)
RoomFormat	String	Yes	Room format (format: room1=2,0)
Adults	Integer	Yes	Num of adults (max. 4 adult per room)
Childs	Integer	Yes	Num of children (max 2 child per room)
Rooms	Integer	Yes	Num of room (max 4 rooms)
PassportIssuanceCountry	String	Yes	2-Letter country code (ex: SG)
CityID	Integer	Yes	CityId (refer to the city mapping data)
Initial	String	Yes	Send “False” to indicate to the system this is the polling search so return once the remaining set of result. In this scenario, this is always false.
RequestID	integer	Yes	RequestID that is returned from the earlier Search request

### Data example

#### Parameter

```

{
  "Token": "ABCDEFGHJKLMNQP",
  "CheckIn": "2017-12-10",
  "CheckOut": "2017-12-12",
  "RoomFormat": "room1=2,0",
  "Adults": 2,
  "Childs": 0,
  "Rooms": 1,
  "PassportIssuanceCountry": "SG",
  "CityID": 5047,
  "RequestID": 42
}

```

## Response Key Fields

Fields	Type	Null?	Remarks
HotelsList	Object	N	List of <i>Sequence</i> Objects – see just below.
SearchCriteria	string	N	The search request object, developers can ignore this.
StatusR	string	N	Status of your request. You will receive a null value or 0, both indicates the search is continuing to run in the background hence the current result is not completed.
MaxPrice	string	N	Deprecated. Not in use.

## Sequence object

Fields	Type	Null?	Remarks
Sequence	string	N	The ranking of the hotel based on popularity.
CheckIn	string	N	The check in date in yyyy-MM-dd format, for example "2017-08-24".
CheckOut	string	N	The check-out date in yyyy-MM-dd format, for example "2017-08-26".
RoomFormat	string	N	The room format, as explained above, for example "room1=2,0".
Adults	string	N	The total number of adults, for example 2.
Childs	string	N	The total number of child, for example 0.
Rooms	string	N	The total number of rooms, example 1.
Currency	string	N	The currency that is setup in your account.

Destination	string	N	The city, state and country name of the destination being requested: "Singapore, Singapore".
TpHotelID	String	N	The Internal ID of hotel.
HotelID	string	N	The ID of the hotel, for example "134927"
HotelName	string	N	The name of the hotel, for example "Village Hotel Bugis"
Description	string	N	The description of the hotel
HotellImage	string	N	The link of the image of the hotel for example "https://res.cloudinary.com/travelprologue1/image/fetch/s--Im93VDTb--/http://media.expedia.com/hotels/1000000/900000/892800/892751/04de3a5a_b.jpg"
StarRating	string	N	The star rating of the hotel "4.0"
AverageNightlyRate	string	N	The average nightly rate of the hotel, for example 182.82
AverageNightlyStrikeRate	string	N	The average nightly strike rate of the hotel, in other words, the nightly rate before discount, whereas the AverageNightlyRate would be the already discounted rate. If this value is 0 or NULL, that means there is no information about discount.
latitude	string	N	The latitude of the hotel
longitude	string	N	The longitude of the hotel
PromotionText	string	N	A string array containing all promotions of this room ["Free Wireless Internet"]
HotelCode	string	N	The same as HotelID "134927"
Provider	string	N	See availToken
availToken	string	N	This token needs to be returned in subsequent requests, for example "JGphcW2k80MGRN7qCdTN"
RoomNo	string	N	Deprecated. Not in use.
FreeCancellable	string	N	Whether or not this rate can be cancelled without penalty
isFreeInternet	string	N	Whether or not this rate includes free Internet
TotalRecords	string	N	Deprecated. Not in use.
RoomDesc	string	N	Deprecated. Not in use.
TotalCostInclusive	string	N	The total cost of the room.



RequestCode	string	N	The code to be used in your next request call, /api/MSFHotels/GetDetail
-------------	--------	---	---

**Success 200**

```

{
  "HotelsList": [
    {
      "Sequence": 6,
      "CheckIn": "2017-12-10",
      "CheckOut": "2017-12-12",
      "RoomFormat": "room1=2,0",
      "Adults": 2,
      "Childs": 0,
      "Rooms": 1,
      "Currency": "SGD",
      "Destination": "Singapore, Singapore",
      "HotelID": "80852",
      "TpHotelID": "3c033479c865f395cc3cc204b33d75b99fa89a15",
      "HotelName": "Hotel 81 - Geylang",
      "Description": "In Singapore (Geylang)",
      "HotelImage":
      "https://media.expedia.com/hotels/3000000/2810000/2806500/2806435/2806435_10_b.jpg",
      "StarRating": "2.0",
      "AverageNightlyRate": 60.88,
      "AverageNightlyStrikeRate": 0,
      "latitude": null,
      "longitude": null,
      "PromotionText": [],
      "HotelCode": "80852",
      "Provider": "TmgwtBHgVDh97APF9o8S",
      "availToken": "TmgwtBHgVDh97APF9o8S",
      "RoomNo": 0,
      "FreeCancellable": false,
      "isFreeInternet": false,
      "TotalRecords": 0,
      "RoomDesc": null,
      "TotalCostInclusive": 121.76,
      "RequestCode": "7584b0d2-42e2-48c4-9453-eee5904584e6"
    },
    {...},
    {...},
    {...}
  ]
}

```

```
],  
  "SearchCriteria": {  
    "CheckIn": "2017-12-10",  
    "CheckOut": "2017-12-12",  
    "RoomFormat": "room1=2,0",  
    "Adults": 2,  
    "Childs": 0,  
    "Rooms": 1,  
    "Currency": "SGD",  
    "Destination": "Singapore, Singapore",  
    "HotelId": null,  
    "Provider": null,  
    "MinStar": 0,  
    "MaxStar": 0,  
    "StarRange": null,  
    "StarCount": null,  
    "Amenities": null,  
    "ChainCodesIncludes": null,  
    "ChainCodesExcludes": null,  
    "HotelCode": null,  
    "HotelName": null,  
    "PageNo": "1",  
    "PageSize": null,  
    "SortBy": null,  
    "DisplayOrder": null,  
    "_IsStatus": false,  
    "RequestID": 42,  
    "CityID": 5047,  
    "MaxPrice": 64,  
    "MinPrice": 59,  
    "TotalAvalibleHotels": 8,  
    "Partner": null,  
    "RegionId": 0  
  },  
  "StatusR" : done  
  "MaxPrice": 0  
}
```

**Error**

No data found.

## Get list of all available hotels Without Guest’s Passport Issuance Country Restrictions

*POST /api/MSFHotels/Search\_V2*

**Permission:** none

### Parameter

Field	Type	Required	Remarks
Token	String	Yes	Token of agency that is assigned to you
CheckIn	String	Yes	Check in date (format: 2017-12-10)
CheckOut	String	Yes	Check out date (format: 2017-12-12)
RoomFormat	String	Yes	Room format (format: room1=2,0)
Adults	Integer	Yes	Num of adults (max. 4 adult per room)
Childs	Integer	Yes	Num of children (max 2 child per room)
Rooms	Integer	Yes	Num of room (max 4 rooms)
CityID	Integer	Yes	CityId (refer to the city mapping data)

### Data example

#### Parameter

```
{
  "Token": "ABCDEFGHJKLMNQP",
  "CheckIn": "2017-12-10",
  "CheckOut": "2017-12-12",
  "RoomFormat": "room1=2,0",
  "Adults": 2,
  "Childs": 0,
  "Rooms": 1,
  "PassportIssuanceCountry": "SG",
  "CityID": 5047
}
```

### Response Key Fields

Fields	Type	Null?	Remarks
HotelsList	Object	N	List of <i>Sequence</i> Objects – see just below.
SearchCriteria	string	N	The search request object, developers can ignore this.
StatusR	string	N	Status of your request. You will receive a null value or 0, both indicates the search is continuing to run in the background hence the current result is not completed.
MaxPrice	string	N	Deprecated. Not in use.

### HotelsList object

Fields	Type	Null?	Remarks
Sequence	string	N	The ranking of the hotel based on popularity.
CheckIn	string	N	The check in date in yyyy-MM-dd format, for example "2017-08-24".
CheckOut	string	N	The check-out date in yyyy-MM-dd format, for example "2017-08-26".
RoomFormat	string	N	The room format, as explained above, for example "room1=2,0".
Adults	string	N	The total number of adults, for example 2.
Childs	string	N	The total number of child, for example 0.
Rooms	string	N	The total number of rooms, example 1.
Currency	string	N	The currency that is setup in your account.
Destination	string	N	The city, state and country name of the destination being requested: "Singapore, Singapore".
TpHotelID	String	N	The Internal ID of hotel.
HotelID	string	N	The ID of the hotel, for example "134927"
HotelName	string	N	The name of the hotel, for example "Village Hotel Bugis"
Description	string	N	The description of the hotel
HotellImage	string	N	The link of the image of the hotel for example "https://res.cloudinary.com/travelprologue1/image/fetch/s--lm93VDTb--/http://media.expedia.com/hotels/1000000/900000/892800/892751/04de3a5a_b.jpg"
StarRating	string	N	The star rating of the hotel "4.0"

AverageNightlyRate	string	N	The average nightly rate of the hotel, for example 182.82
AverageNightlyStrikeRate	string	N	The average nightly strike rate of the hotel, in other words, the nightly rate before discount, whereas the AverageNightlyRate would be the already discounted rate. If this value is 0 or NULL, that means there is no information about discount.
latitude	string	N	The latitude of the hotel
longitude	string	N	The longitude of the hotel
PromotionText	string	N	A string array containing all promotions of this room ["Free Wireless Internet"]
HotelCode	string	N	The same as HotelID "134927"
Provider	string	N	See availToken
availToken	string	N	This token needs to be returned in subsequent requests, for example "JGphcW2k80MGRN7qCdTN"
RoomNo	string	N	Deprecated. Not in use.
FreeCancellable	string	N	Whether or not this rate can be cancelled without penalty
isFreeInternet	string	N	Whether or not this rate includes free Internet
TotalRecords	string	N	Deprecated. Not in use.
RoomDesc	string	N	Deprecated. Not in use.
RoomTypeCode	string	Y	Room type code (bed type code)
RoomType	string	Y	Room type (bed type)
RoomCategoryCode	string	Y	Room category code
RoomCategory	string	Y	Room category description
Balance	string	Y	Balance allotment for this roomcategory roomtype
TotalCostInclusive	string	N	The total cost of the room.
RequestCode	string	N	The code to be used in your next request call, /api/MSFHotels/GetDetail

**Success 200**

```
{
  "HotelsList": [
    {
```

```

    "Sequence": 6,
    "CheckIn": "2017-12-10",
    "CheckOut": "2017-12-12",
    "RoomFormat": "room1=2,0",
    "Adults": 2,
    "Childs": 0,
    "Rooms": 1,
    "Currency": "SGD",
    "Destination": "Singapore, Singapore",
    "HotelID": "80852",
    "TpHotelID": "3c033479c865f395cc3cc204b33d75b99fa89a15",
    "HotelName": "Hotel 81 - Geylang",
    "Description": "In Singapore (Geylang)",
    "HotelImage":
    "https://media.expedia.com/hotels/3000000/2810000/2806500/2806435/2806435_10_b.jpg",
    "StarRating": "2.0",
    "AverageNightlyRate": 60.88,
    "AverageNightlyStrikeRate": 0,
    "latitude": null,
    "longitude": null,
    "PromotionText": [],
    "HotelCode": "80852",
    "Provider": "TmgwtBHgVDh97APF9o8S",
    "availToken": "TmgwtBHgVDh97APF9o8S",
    "RoomNo": 0,
    "FreeCancellable": false,
    "isFreeInternet": false,
    "TotalRecords": 0,
    "RoomDesc": null,
    "RoomTypeCode": "2",
    "RoomCategoryCode": "1234",
    "RoomType": "Double",
    "RoomCategory": "Deluxe",
    "Balance": "10",
    "TotalCostInclusive": 121.76,
    "RequestCode": "7584b0d2-42e2-48c4-9453-eee5904584e6"
  },
  {
    ...
  },
  {
    ...
  }
],
"SearchCriteria": {
  "CheckIn": "2017-12-10",

```

```
"CheckOut": "2017-12-12",
"RoomFormat": "room1=2,0",
"Adults": 2,
"Childs": 0,
"Rooms": 1,
"Currency": "SGD",
"Destination": "Singapore, Singapore",
"HotelId": null,
"Provider": null,
"MinStar": 0,
"MaxStar": 0,
"StarRange": null,
"StarCount": null,
"Amenities": null,
"ChainCodesIncludes": null,
"ChainCodesExcludes": null,
"HotelCode": null,
"HotelName": null,
"PageNo": "1",
"PageSize": null,
"SortBy": null,
"DisplayOrder": null,
"_IsStatus": false,
"RequestID": 42,
"CityID": 5047,
"MaxPrice": 64,
"MinPrice": 59,
"TotalAvalibleHotels": 8,
"Partner": null,
"RegionId": 0
},
"StatusR": 0,
"MaxPrice": 0
}
```

**Error**

*No data found.*

## Get list of all available hotels and all available rooms (DEPRECATED)

*POST /api/MSFHotels/SearchAllAvailable*

**Permission:** none

**Parameter**

Field	Type	Required	Remarks
Token	String	Yes	Token of agency that is assigned to you
CheckIn	String	Yes	Check in date (format: 2017-12-10)
CheckOut	String	Yes	Check out date (format: 2017-12-12)
RoomFormat	String	Yes	Room format (format: room1=2,0)
Adults	Integer	Yes	Num of adults (max. 4 adult per room)
Childs	Integer	Yes	Num of children (max 2 child per room)
Rooms	Integer	Yes	Num of room (max 4 rooms)
PassportIssuanceCountry	String	Yes	2-Letter country code (ex: SG)
CityID	Integer	Yes	CityId (refer to the city mapping data)

**Data example****Parameter**

```
{
  "Token": "ABCDEFGHJKLMNPO",
  "CheckIn": "2017-12-10",
  "CheckOut": "2017-12-12",
  "RoomFormat": "room1=2,0",
  "Adults": 2,
  "Childs": 0,
  "Rooms": 1,
  "PassportIssuanceCountry": "SG",
  "CityID": 5047
}
```

**Response Key Fields**



**Base Object**

Fields	Type	Null?	Remarks
CachekeyValue	string	N	If this value is returned, please pass it in in subsequent requests
CheckIn	string	N	The check in date in yyyy-MM-dd format, for example "2017-08-24"
CheckOut	string	N	The check-out date in yyyy-MM-dd format, for example "2017-08-26"
RoomFormat	string	N	The room format, as explained above, for example "room1=2,0"
Adults	string	N	The total number of adults, for example 2
Childs	string	N	The total number of child, for example 0
Rooms	string	N	The number of rooms, for example 1
Currency	string	N	The currency being requested, for example "SGD"
Destination	string	N	The city, state and country name of the destination being requested: "Singapore, Singapore"
HotelID	string	N	The ID of the hotel, as returned in the previous call
TpHotelID	String	N	The Internal ID of hotel.
HotelName	string	N	The name of the hotel, for example "Raintr33 Hotel Singapore"
Description	string	N	The description of the hotel, if any
city	string	N	The name of the city where the hotel is "Singapore"
Country	string	N	The name of the country where the hotel is
latitude	string	N	The latitude of the hotel, for example 1.3883
longitude	string	N	The longitude of the hotel, for example 103.97826
street1	string	N	The street address of the hotel
postalCode	string	N	The postal code of the hotel
StarRating	string	N	The star rating of the hotel
TotalCostInclusive	string	N	The total cost of the room, including taxes
NoOfNights	string	N	The number of nights that was requested
LstHotelImages	Object	N	list of hotel <i>image</i> objects (refer to Image Object below)
LstRooms	Object	N	list of <i>Room</i> objects (refer to Room Object below)
CheckInTime	string	N	The check in time of the hotel
CheckOutTime	string	N	The check out time of the hotel
HotelCode	string	N	Deprecated. Not in use.

Provider	string	N	Deprecated. Not in use.
----------	--------	---	-------------------------

### Image Object

Fields	Type	Null?	Remarks
Title	string	Y	Title or caption of image
URL	string	N	URL to get image

### Room Object

The Room Object will return a list of RoomDetail Objects. The sequence follows the Room specified in the room format.

Fields	Type	Null?	Remarks
LstRoomDetails	Object	N	List of RoomDetail objects for this particular Room. (Refer to RoomDetail Object below)

### RoomDetail Object

Fields	Type	Null?	Remarks
Id	string	N	The ID of the room, if any
CachekeyValue	string	N	The cache key value, if any. This value needs to be passed into subsequent requests, if it is returned here
HotelID	string	N	The ID of the hotel, for example "489939"
TpHotelID	String	N	The Internal ID of hotel.
Description	string	N	The description of the room, for example "Maple Twin. 2 twin beds"
TypeValue	string	N	The description of the room, for example "Maple Twin. 2 twin beds"
TypeCode	string	N	The description code of the room, if any, for example "25"
Location	string	N	null
RoomCode	string	N	This is for internal use only.
RateType	string	N	This is for internal use only.
Key	string	N	This is for internal use only.
Taxes	string	N	The taxes of the room, if available. 47.78
DistributorFee	string	N	Additional fees, if available, for example, 0.0
AverageNightlyStrike Rate	string	N	The average nightly rate before discount, if any
TotalStrikeRate	string	N	The total cost of the room before discount, if any

TotalCostInclusive	string	N	The total cost of the room, after applying any discount. Use this property for the
Fee	string	N	Any additional fees payable upon checkout
BookingFee	string	N	Any additional fees payable upon checkout
CheckoutFee	string	N	Any additional fees payable upon checkout
Link	string	N	This is for internal use only.
RoomNo	string	N	The room number in which this rate element represents
AverageNightlyRate	string	N	The average nightly rate of the room after any discount
TotalCost	string	N	The total cost of the rooms, excluding taxes. This value is not guaranteed to contain a value.
ChargeablesText	string	N	Textual information for additional charges, if any
PromotionText	string	N	Textual information for promotions on the room rate, if any
PromoCode	string	N	This property will always return an empty string
Amount	string	N	This property will always return 0
HotelCode	string	N	This property will return the same as the Hotel ID, or NULL
FreeCancellable	boolean	N	Boolean indicating if this room can be cancelled without refund
breakfast_type	string	N	The type of breakfast this rate is inclusive of, if any
isbreakfast	string	N	Indicates if this rate includes breakfast
HasFreeInternet	string	N	Indicates if this rate includes free internet
Board	string	N	The type of board this rate is inclusive of, if any
CancellUpto	string	N	The date the room can be cancelled without any penalty. This is always based on hotel’s local time
ProviderCode	string	N	Please relay this value for subsequent requests, for example, "de2ShMVvmkJpSm5gnsDt"
availToken	string	N	Please relay this value for subsequent requests, for example, "de2ShMVvmkJpSm5gnsDt"
RequestCode	string	N	The code to be used in your next request call, /api/MSFHotels/GetRateRules

**Success 200**

```
[
  {
    "CachekeyValue": "TA-151194075220623",
    "CheckIn": "2017-12-10",
    "CheckOut": "2017-12-12",
```

```

"RoomFormat": "room1=2,0",
"Adults": 2,
"Childs": 0,
"Rooms": 1,
"Currency": "SGD",
"Destination": "Singapore, Singapore",
"HotelID": "80852",
"TpHotelId": "3c033479c865f395cc3cc204b33d75b99fa89a15",
"HotelName": "Hotel 81 - Geylang",
>Description": null,
"city": "Singapore",
"Country": null,
"latitude": 1.31181,
"longitude": 103.87983,
"street1": "20 Lorong 16 Geylang, Singapore, Singapore, 398863",
"postalCode": null,
"StarRating": "2",
"ReviewScores": "",
"ReviewCount": "",
"RecommendationCount": "",
"TotalCost": 0,
"TotalCostInclusive": 121.76,
"NoOfNights": 2,
"LstHotelImages": [
  {
    "Title": null,
    "URL": "https://media.expedia.com/hotels/3000000/2810000/2806500/2806435/2806435_10_b.jpg"
  },
  {
    "Title": null,
    "URL": "https://media.expedia.com/hotels/3000000/2810000/2806500/2806435/2806435_11_b.jpg"
  }
],
"LstRooms": [
  {
    "LstRoomDetails": [
      {
        "Id": null,
        "CachekeyValue": "TA-151194075220623",

```

```

    "HotelID": "2375607",
    "TpHotelId": "3c033479c865f395cc3cc204b33d75b99fa89a15",
    "Description": "Double Standard",
    "TypeValue": "",
    "TypeCode": "",
    "Location": null,
    "RoomCode": "443261366120",
    "RateType": "MerchantStandard",
    "Key": "443261366120-3261366120-1-0-2017-12-10",
    "Taxes": 0,
    "DistributorFee": 0,
    "AverageNightlyStrikeRate": 87.85,
    "TotalStrikeRate": 175.69,
    "TotalCostInclusive": 175.69,
    "Fee": 0,
    "BookingFee": 0,
    "CheckoutFee": 0,
    "Link": "443261366120-3261366120-1-0-2017-12-10",
    "RoomNo": 1,
    "AverageNightlyRate": 87.85,
    "TotalCost": 175.69,
    "ChargeablesText": null,
    "PromotionText": "",
    "PromoCode": "",
    "Amount": 0,
    "HotelCode": null,
    "FreeCancellable": false,
    "breakfast_type": null,
    "isbreakfast": false,
    "HasFreeInternet": false,
    "Board": null,
    "CancellUpto": null,
    "ProviderCode": "cQNdyZIRKAhONIkWQUzT",
    "availToken": "cQNdyZIRKAhONIkWQUzT",
    "RequestCode": "cc6a912b-64f5-4e2c-b92c-e027cacfd953"
  },
  {...},
  {...}
]

```

```

    }
  ],
  "CheckInTime": "2017-12-10",
  "CheckOutTime": "2017-12-12",
  "HotelCode": null,
  "Provider": ""
},
{
  "CachekeyValue": "TA-151194075220625",
  "CheckIn": "2017-12-10",
  "CheckOut": "2017-12-12",
  "RoomFormat": "room1=2,0",
  "Adults": 2,
  "Childs": 0,
  "Rooms": 1,
  "Currency": "SGD",
  "Destination": "Singapore, Singapore",
  "HotelID": "80852",
  "TpHotelId": "3c033479c865f395cc3cc204b33d75b99fa89a15",
  "HotelName": "Orchard Parade",
  "Description": null,
  "city": "Singapore",
  "Country": null,
  "latitude": 1.31181,
  "longitude": 103.87983,
  "street1": "Orchard Road",
  "postalCode": null,
  "StarRating": "2",
  "ReviewScores": "",
  "ReviewCount": "",
  "RecommendationCount": "",
  "TotalCost": 0,
  "TotalCostInclusive": 121.76,
  "NoOfNights": 2,
  "LstHotelImages": [
    {
      "Title": null,
      "URL": "https://media.expedia.com/hotels/3000000/2810000/2806500/2806435/2806435_10_b.jpg"
    }
  ],

```

```

{
  "Title": null,
  "URL": "https://media.expedia.com/hotels/3000000/2810000/2806500/2806435/2806435_11_b.jpg"
}
],
"LstRooms": [
  {
    "LstRoomDetails": [
      {
        "Id": null,
        "CachekeyValue": "TA-151194075220623",
        "HotelID": "2375607",
        "TpHotelId": "3c033479c865f395cc3cc204b33d75b99fa89a15",
        "Description": "Double Standard",
        "TypeValue": "",
        "TypeCode": "",
        "Location": null,
        "RoomCode": "443261366120",
        "RateType": "MerchantStandard",
        "Key": "443261366120-3261366120-1-0-2017-12-10",
        "Taxes": 0,
        "DistributorFee": 0,
        "AverageNightlyStrikeRate": 87.85,
        "TotalStrikeRate": 175.69,
        "TotalCostInclusive": 175.69,
        "Fee": 0,
        "BookingFee": 0,
        "CheckoutFee": 0,
        "Link": "443261366120-3261366120-1-0-2017-12-10",
        "RoomNo": 1,
        "AverageNightlyRate": 87.85,
        "TotalCost": 175.69,
        "ChargeablesText": null,
        "PromotionText": "",
        "PromoCode": "",
        "Amount": 0,
        "HotelCode": null,
        "FreeCancellable": false,
        "breakfast_type": null,

```

```
    "isbreakfast": false,
    "HasFreeInternet": false,
    "Board": null,
    "CancellUpto": null,
    "ProviderCode": "cQNdyZIRKAhONIkWQUzT",
    "availToken": "cQNdyZIRKAhONIkWQUzT",
    "RequestCode": "cc6a912b-64f5-4e2c-b92c-e027cacfd953"
  },
  {
    ...
  }
]
}
],
"CheckInTime": "2017-12-10",
"CheckOutTime": "2017-12-12",
"HotelCode": null,
"Provider": ""
}
]
```

**Error**

*No data found.*



## Get the hotel’s detail

*POST /api/MSFHotels/GetDetail/***Permission:** None**Parameter**

Field	Type	Required	Description
RequestCode	String	Yes	Request code of hotel from list hotel result(api) (Ex: 5bf284a2-d9d9-4ec1-83c9-0efe8ea77ea1)
Token	String	Yes	Token of agency

**Data example****Parameter**

```
{
  "RequestCode": "1ad52de0-0e18-4eca-974c-ddb0217bf31c",
  "Token": "ABCDEFGHJKLMNPO"
}
```

**Response Key Fields****Base Object**

Fields	Type	Null?	Remarks
CachekeyValue	string	N	If this value is returned, please pass it in in subsequent requests
CheckIn	string	N	The check in date in yyyy-MM-dd format, for example "2017-08-24"
CheckOut	string	N	The check-out date in yyyy-MM-dd format, for example "2017-08-26"
RoomFormat	string	N	The room format, as explained above, for example "room1=2,0"
Adults	string	N	The total number of adults, for example 2
Childs	string	N	The total number of child, for example 0
Rooms	string	N	The number of rooms, for example 1
Currency	string	N	The currency being requested, for example "SGD"
Destination	string	N	The city, state and country name of the destination being requested: "Singapore, Singapore"

HotelID	string	N	The ID of the hotel, as returned in the previous call
TpHotelID	String	N	The Internal ID of hotel.
HotelName	string	N	The name of the hotel, for example "Raintr33 Hotel Singapore"
Description	string	N	The description of the hotel, if any
city	string	N	The name of the city where the hotel is "Singapore"
Country	string	N	The name of the country where the hotel is
latitude	string	N	The latitude of the hotel, for example 1.3883
longitude	string	N	The longitude of the hotel, for example 103.97826
street1	string	N	The street address of the hotel
postalCode	string	N	The postal code of the hotel
StarRating	string	N	The star rating of the hotel
TotalCostInclusive	string	N	The total cost of the room, including taxes
NoOfNights	string	N	The number of nights that was requested
LstHotellImages	Object	N	list of hotel <i>image</i> objects (refer to Image Object below)
LstRooms	Object	N	list of <i>Room</i> objects (refer to Room Object below)
CheckInTime	string	N	The check in time of the hotel
CheckOutTime	string	N	The check out time of the hotel
HotelCode	string	N	Deprecated. Not in use.
Provider	string	N	Deprecated. Not in use.

### Image Object

Fields	Type	Null?	Remarks
Title	string	Y	Title or caption of image
URL	string	N	URL to get image

### Room Object

The Room Object will return a list of RoomDetail Objects. The sequence follows the Room specified in the room format.

Fields	Type	Null?	Remarks
LstRoomDetails	Object	N	List of RoomDetail objects for this particular Room. (Refer to RoomDetail Object below)

**RoomDetail Object**

Fields	Type	Null?	Remarks
Id	string	N	The ID of the room, if any
CachekeyValue	string	N	The cache key value, if any. This value needs to be passed into subsequent requests, if it is returned here
HotelID	string	N	The ID of the hotel, for example "489939"
TpHotelID	String	N	The Internal ID of hotel.
Description	string	N	The description of the room, for example "Maple Twin. 2 twin beds"
TypeValue	string	N	The description of the room, for example "Maple Twin. 2 twin beds"
TypeCode	string	N	The description code of the room, if any, for example "25"
Location	string	N	null
RoomCode	string	N	This is for internal use only.
RateType	string	N	This is for internal use only.
Key	string	N	This is for internal use only.
Taxes	string	N	The taxes of the room, if available. 47.78
DistributorFee	string	N	Additional fees, if available, for example, 0.0
AverageNightlyStrikeRate	string	N	The average nightly rate before discount, if any
TotalStrikeRate	string	N	The total cost of the room before discount, if any
TotalCostInclusive	string	N	The total cost of the room, after applying any discount. Use this property for the
Fee	string	N	Any additional fees payable upon checkout
BookingFee	string	N	Any additional fees payable upon checkout
CheckoutFee	string	N	Any additional fees payable upon checkout
Link	string	N	This is for internal use only.
RoomNo	string	N	The room number in which this rate element represents
AverageNightlyRate	string	N	The average nightly rate of the room after any discount
TotalCost	string	N	The total cost of the rooms, excluding taxes. This value is not guaranteed to contain a value.
ChargeablesText	string	N	Textual information for additional charges, if any
PromotionText	string	N	Textual information for promotions on the room rate, if any
PromoCode	string	N	This property will always return an empty string
Amount	string	N	This property will always return 0
HotelCode	string	N	This property will return the same as the Hotel ID, or NULL

FreeCancellable	boolean	N	Boolean indicating if this room can be cancelled without refund
breakfast_type	string	N	The type of breakfast this rate is inclusive of, if any
isbreakfast	string	N	Indicates if this rate includes breakfast
HasFreeInternet	string	N	Indicates if this rate includes free internet
Board	string	N	The type of board this rate is inclusive of, if any
CancellUpto	string	N	The date the room can be cancelled without any penalty. This is always based on hotel’s local time
ProviderCode	string	N	Please relay this value for subsequent requests, for example, "de2ShMVvmkJpSm5gnsDt"
availToken	string	N	Please relay this value for subsequent requests, for example, "de2ShMVvmkJpSm5gnsDt"
RequestCode	string	N	The code to be used in your next request call, /api/MSFHotels/GetRateRules

**Success 200**

```
{
  "CachekeyValue": "TA-151194075220623",
  "CheckIn": "2017-12-10",
  "CheckOut": "2017-12-12",
  "RoomFormat": "room1=2,0",
  "Adults": 2,
  "Childs": 0,
  "Rooms": 1,
  "Currency": "SGD",
  "Destination": "Singapore, Singapore",
  "HotelID": "80852",
  "TpHotelId": "3c033479c865f395cc3cc204b33d75b99fa89a15",
  "HotelName": "Hotel 81 - Geylang",
  "Description": null,
  "city": "Singapore",
  "Country": null,
  "latitude": 1.31181,
  "longitude": 103.87983,
  "street1": "20 Lorong 16 Geylang, Singapore, Singapore, 398863",
  "postalCode": null,
  "StarRating": "2",
  "ReviewScores": ""
```

```

"ReviewCount": "",
"RecommendationCount": "",
"TotalCost": 0,
"TotalCostInclusive": 121.76,
"NoOfNights": 2,
"LstHotelImages": [
  {
    "Title": null,
    "URL": "https://media.expedia.com/hotels/3000000/2810000/2806500/2806435/2806435_10_b.jpg"
  },
  {
    "Title": null,
    "URL": "https://media.expedia.com/hotels/3000000/2810000/2806500/2806435/2806435_11_b.jpg"
  }
],
"LstRooms": [
  {
    "LstRoomDetails": [
      {
        "Id": null,
        "CachekeyValue": "TA-151194075220623",
        "HotelID": "2375607",
        "TpHotelId": "3c033479c865f395cc3cc204b33d75b99fa89a15",
        "Description": "Double Standard",
        "TypeValue": "",
        "TypeCode": "",
        "Location": null,
        "RoomCode": "443261366120",
        "RateType": "MerchantStandard",
        "Key": "443261366120-3261366120-1-0-2017-12-10",
        "Taxes": 0,
        "DistributorFee": 0,
        "AverageNightlyStrikeRate": 87.85,
        "TotalStrikeRate": 175.69,
        "TotalCostInclusive": 175.69,
        "Fee": 0,
        "BookingFee": 0,
        "CheckoutFee": 0,
        "Link": "443261366120-3261366120-1-0-2017-12-10",

```

```
    "RoomNo": 1,  
    "AverageNightlyRate": 87.85,  
    "TotalCost": 175.69,  
    "ChargeablesText": null,  
    "PromotionText": "",  
    "PromoCode": "",  
    "Amount": 0,  
    "HotelCode": null,  
    "FreeCancellable": false,  
    "breakfast_type": null,  
    "isbreakfast": false,  
    "HasFreeInternet": false,  
    "Board": null,  
    "CancellUpto": null,  
    "ProviderCode": "cQNdyZIRKAhONIkWQUzT",  
    "availToken": "cQNdyZIRKAhONIkWQUzT",  
    "RequestCode": "cc6a912b-64f5-4e2c-b92c-e027cacfd953"  
  },  
  {  
    ...  
  },  
  {  
    ...  
  }  
]  
}  
],  
"CheckInTime": "2017-12-10",  
"CheckOutTime": "2017-12-12",  
"HotelCode": null,  
"Provider": ""  
}
```

**Error**

*No data found.*

## Get the hotel’s detail Without Guest’s Passport Issuance Country Restrictions

*POST /api/MSFHotels/GetDetail\_V2***Permission:** None**Parameter**

Field	Type	Required	Description
RequestCode	String	Yes	Request code of hotel from list hotel result(api) (Ex: 5bf284a2-d9d9-4ec1-83c9-0efe8ea77ea1)
Token	String	Yes	Token of agency

**Data example****Parameter**

```
{
  "RequestCode": "1ad52de0-0e18-4eca-974c-ddb0217bf31c",
  "Token": "ABCDEFGHJKLMNQP"
}
```

**Response Key Fields****Base Object**

Fields	Type	Null?	Remarks
CachekeyValue	string	N	If this value is returned, please pass it in in subsequent requests
CheckIn	string	N	The check in date in yyyy-MM-dd format, for example "2017-08-24"
CheckOut	string	N	The check-out date in yyyy-MM-dd format, for example "2017-08-26"
RoomFormat	string	N	The room format, as explained above, for example "room1=2,0"
Adults	string	N	The total number of adults, for example 2
Childs	string	N	The total number of child, for example 0
Rooms	string	N	The number of rooms, for example 1
Currency	string	N	The currency being requested, for example "SGD"
Destination	string	N	The city, state and country name of the destination being requested: "Singapore, Singapore"

HotelID	string	N	The ID of the hotel, as returned in the previous call
TpHotelID	String	N	The Internal ID of hotel.
HotelName	string	N	The name of the hotel, for example "Raintr33 Hotel Singapore"
Description	string	N	The description of the hotel, if any
city	string	N	The name of the city where the hotel is "Singapore"
Country	string	N	The name of the country where the hotel is
latitude	string	N	The latitude of the hotel, for example 1.3883
longitude	string	N	The longitude of the hotel, for example 103.97826
street1	string	N	The street address of the hotel
postalCode	string	N	The postal code of the hotel
StarRating	string	N	The star rating of the hotel
TotalCostInclusive	string	N	The total cost of the room, including taxes
NoOfNights	string	N	The number of nights that was requested
LstHotellImages	Object	N	list of hotel <i>image</i> objects (refer to Image Object below)
LstRooms	Object	N	list of <i>Room</i> objects (refer to Room Object below)
CheckInTime	string	N	The check in time of the hotel
CheckOutTime	string	N	The check out time of the hotel
HotelCode	string	N	Deprecated. Not in use.
Provider	string	N	Deprecated. Not in use.

### Image Object

Fields	Type	Null?	Remarks
Title	string	Y	Title or caption of image
URL	string	N	URL to get image

### Room Object

The Room Object will return a list of RoomDetail Objects. The sequence follows the Room specified in the room format.

Fields	Type	Null?	Remarks
LstRoomDetails	Object	N	List of RoomDetail objects for this particular Room. (Refer to RoomDetail Object below)



**RoomDetail Object**

Fields	Type	Null?	Remarks
Id	string	N	The ID of the room, if any
CachekeyValue	string	N	The cache key value, if any. This value needs to be passed into subsequent requests, if it is returned here
HotelID	string	N	The ID of the hotel, for example "489939"
TpHotelID	String	N	The Internal ID of hotel.
Description	string	N	The description of the room, for example "Maple Twin. 2 twin beds"
TypeValue	string	N	The description of the room, for example "Maple Twin. 2 twin beds"
TypeCode	string	N	The description code of the room, if any, for example "25"
Location	string	N	null
RoomCode	string	N	This is for internal use only.
RoomTypeCode	string	N	Room type code (bed type)
RoomType	string	N	Romo type description (bed type)
RoomCategoryCode	string	N	Room category Code
RoomCategory	string	N	Room category description
Balance	string	N	Balance allotment for this roomcategory room type
RateType	string	N	This is for internal use only.
Key	string	N	This is for internal use only.
Taxes	string	N	The taxes of the room, if available. 47.78
DistributorFee	string	N	Additional fees, if available, for example, 0.0
AverageNightlyStrike Rate	string	N	The average nightly rate before discount, if any
TotalStrikeRate	string	N	The total cost of the room before discount, if any
TotalCostInclusive	string	N	The total cost of the room, after applying any discount. Use this property for the
Fee	string	N	Any additional fees payable upon checkout
BookingFee	string	N	Any additional fees payable upon checkout
CheckoutFee	string	N	Any additional fees payable upon checkout
Link	string	N	This is for internal use only.
RoomNo	string	N	The room number in which this rate element represents
AverageNightlyRate	string	N	The average nightly rate of the room after any discount
TotalCost	string	N	The total cost of the rooms, excluding taxes. This value is not guaranteed to contain a value.
ChargeablesText	string	N	Textual information for additional charges, if any

PromotionText	string	N	Textual information for promotions on the room rate, if any
PromoCode	string	N	This property will always return an empty string
Amount	string	N	This property will always return 0
HotelCode	string	N	This property will return the same as the Hotel ID, or NULL
FreeCancellable	boolean	N	Boolean indicating if this room can be cancelled without refund
breakfast_type	string	N	The type of breakfast this rate is inclusive of, if any
isbreakfast	string	N	Indicates if this rate includes breakfast
HasFreeInternet	string	N	Indicates if this rate includes free internet
Board	string	N	The type of board this rate is inclusive of, if any
CancellUpto	string	N	The date the room can be cancelled without any penalty. This is always based on hotel’s local time
ProviderCode	string	N	Please relay this value for subsequent requests, for example, "de2ShMVvmkJpSm5gnsDt"
availToken	string	N	Please relay this value for subsequent requests, for example, "de2ShMVvmkJpSm5gnsDt"
RequestCode	string	N	The code to be used in your next request call, /api/MSFHotels/GetRateRules

**Success 200**

```

{
  "CachekeyValue": "TA-151194075220623",
  "CheckIn": "2017-12-10",
  "CheckOut": "2017-12-12",
  "RoomFormat": "room1=2,0",
  "Adults": 2,
  "Childs": 0,
  "Rooms": 1,
  "Currency": "SGD",
  "Destination": "Singapore, Singapore",
  "HotelID": "80852",
  "TpHotelId": "3c033479c865f395cc3cc204b33d75b99fa89a15",
  "HotelName": "Hotel 81 - Geylang",
  "Description": null,
  "city": "Singapore",
  "Country": null,

```

```

"latitude": 1.31181,
"longitude": 103.87983,
"street1": "20 Lorong 16 Geylang, Singapore, Singapore, 398863",
"postalCode": null,
"StarRating": "2",
"ReviewScores": "",
"ReviewCount": "",
"RecommendationCount": "",
"TotalCost": 0,
"TotalCostInclusive": 121.76,
"NoOfNights": 2,
"LstHotelImages": [
  {
    "Title": null,
    "URL": "https://media.expedia.com/hotels/3000000/2810000/2806500/2806435/2806435_10_b.jpg"
  },
  {
    "Title": null,
    "URL": "https://media.expedia.com/hotels/3000000/2810000/2806500/2806435/2806435_11_b.jpg"
  }
],
"LstRooms": [
  {
    "LstRoomDetails": [
      {
        "Id": null,
        "CachekeyValue": "TA-151194075220623",
        "HotelID": "2375607",
        "TpHotelId": "3c033479c865f395cc3cc204b33d75b99fa89a15",
        "Description": "Double Standard",
        "TypeValue": "",
        "TypeCode": "",
        "Location": null,
        "RoomCode": "443261366120",
        "RateType": "MerchantStandard",
        "Key": "443261366120-3261366120-1-0-2017-12-10",
        "Taxes": 0,
        "DistributorFee": 0,
        "AverageNightlyStrikeRate": 87.85,

```

```

    "TotalStrikeRate": 175.69,
    "TotalCostInclusive": 175.69,
    "Fee": 0,
    "BookingFee": 0,
    "CheckoutFee": 0,
    "Link": "443261366120-3261366120-1-0-2017-12-10",
    "RoomNo": 1,
    "AverageNightlyRate": 87.85,
    "TotalCost": 175.69,
    "ChargeablesText": null,
    "PromotionText": "",
    "PromoCode": "",
    "Amount": 0,
    "HotelCode": null,
    "FreeCancellable": false,
    "breakfast_type": null,
    "isbreakfast": false,
    "HasFreeInternet": false,
    "Board": null,
    "CancellUpto": null,
    "ProviderCode": "cQNdyZIRKAhONIkWQUzT",
    "availToken": "cQNdyZIRKAhONIkWQUzT",
    "RequestCode": "cc6a912b-64f5-4e2c-b92c-e027cacfd953"
  },
  {
    ...
  }
]
}
],
"CheckInTime": "2017-12-10",
"CheckOutTime": "2017-12-12",
"HotelCode": null,
"Provider": ""
}

```

**Error**

*No data found.*



## Get hotel availability by TPHotelId

*POST /api/MSFHotels/GetDetailByHotelID\_V2*

**Permission:** none

**Parameter**

Field	Type	Required	Remarks
Token	String	Yes	Token of agency that is assigned to you
TPHotelId	String	Yes	TPHotelId as shared in our hotel mapping document
CheckIn	String	Yes	Check in date (format: 2017-12-10)
CheckOut	String	Yes	Check out date (format: 2017-12-12)
RoomFormat	String	Yes	Room format (format: room1=2,0)
Adults	Integer	Yes	Num of adults (max. 4 adult per room)
Childs	Integer	Yes	Num of children (max 2 child per room)
Rooms	Integer	Yes	Num of room (max 4 rooms)

**Data example****Parameter**

```
{
  "Token": "ABCDEFGHJKLMNP",
  "TpHotelId": "6448980eab24371ba38ffa10d1b0577fe5e423f4",
  "CheckIn": "2017-12-10",
  "CheckOut": "2017-12-12",
  "RoomFormat": "room1=2,0",
  "Adults": 2,
  "Childs": 0,
  "Rooms": 1
}
```

**Response Key Fields**

Similar to Get the hotel’s detail’s response. Please refer to the above.

**Success 200**

```
{
  "CachekeyValue": "TA-151194075220623",
  "CheckIn": "2017-12-10",
  "CheckOut": "2017-12-12",
  "RoomFormat": "room1=2,0",
  "Adults": 2,
  "Childs": 0,
  "Rooms": 1,
  "Currency": "SGD",
  "Destination": "Singapore, Singapore",
  "HotelID": "80852",
  "TpHotelId": "3c033479c865f395cc3cc204b33d75b99fa89a15",
  "HotelName": "Hotel 81 - Geylang",
  "Description": null,
  "city": "Singapore",
  "Country": null,
  "latitude": 1.31181,
  "longitude": 103.87983,
  "street1": "20 Lorong 16 Geylang, Singapore, Singapore, 398863",
  "postalCode": null,
  "StarRating": "2",
  "ReviewScores": "",
  "ReviewCount": "",
  "RecommendationCount": "",
  "TotalCost": 0,
  "TotalCostInclusive": 121.76,
  "NoOfNights": 2,
  "LstHotelImages": [
    {
      "Title": null,
      "URL": "https://media.expedia.com/hotels/3000000/2810000/2806500/2806435/2806435_10_b.jpg"
    },
    {
      "Title": null,
      "URL": "https://media.expedia.com/hotels/3000000/2810000/2806500/2806435/2806435_11_b.jpg"
    }
  ],
  "LstRooms": [
    {
```

```

"LstRoomDetails": [
  {
    "Id": null,
    "CachekeyValue": "TA-151194075220623",
    "HotelID": "2375607",
    "TpHotelId": "3c033479c865f395cc3cc204b33d75b99fa89a15",
    "Description": "Double Standard",
    "TypeValue": "",
    "TypeCode": "",
    "Location": null,
    "RoomCode": "443261366120",
    "RateType": "MerchantStandard",
    "Key": "443261366120-3261366120-1-0-2017-12-10",
    "Taxes": 0,
    "DistributorFee": 0,
    "AverageNightlyStrikeRate": 87.85,
    "TotalStrikeRate": 175.69,
    "TotalCostInclusive": 175.69,
    "Fee": 0,
    "BookingFee": 0,
    "CheckoutFee": 0,
    "Link": "443261366120-3261366120-1-0-2017-12-10",
    "RoomNo": 1,
    "AverageNightlyRate": 87.85,
    "TotalCost": 175.69,
    "ChargeablesText": null,
    "PromotionText": "",
    "PromoCode": "",
    "Amount": 0,
    "HotelCode": null,
    "FreeCancellable": false,
    "breakfast_type": null,
    "isbreakfast": false,
    "HasFreeInternet": false,
    "Board": null,
    "CancellUpto": null,
    "ProviderCode": "cQNdyZIRKAhONIkWQUzT",
    "availToken": "cQNdyZIRKAhONIkWQUzT",
    "RequestCode": "cc6a912b-64f5-4e2c-b92c-e027cacfd953"
  }
]

```



```
    },  
    { ... },  
    { ... }  
  ]  
}  
],  
"CheckInTime": "2017-12-10",  
"CheckOutTime": "2017-12-12",  
"HotelCode": null,  
"Provider": ""  
}
```

**Error**

*No data found.*

## Get hotel availability by TPHotelId Without Guest’s Passport Issuance Country Restrictions

*POST /api/MSFHotels/GetDetailByHotelID*

**Permission:** none

### Parameter

Field	Type	Required	Remarks
Token	String	Yes	Token of agency that is assigned to you
TPHotelId	String	Yes	TPHotelId as shared in our hotel mapping document
CheckIn	String	Yes	Check in date (format: 2017-12-10)
CheckOut	String	Yes	Check out date (format: 2017-12-12)
RoomFormat	String	Yes	Room format (format: room1=2,0)
Adults	Integer	Yes	Num of adults (max. 4 adult per room)
Childs	Integer	Yes	Num of children (max 2 child per room)
Rooms	Integer	Yes	Num of room (max 4 rooms)

### Data example

#### Parameter

```
{
  "Token": "ABCDEFGHJKLMNPO",
  "TpHotelID": "6448980eab24371ba38ffa10d1b0577fe5e423f4",
  "CheckIn": "2017-12-10",
  "CheckOut": "2017-12-12",
  "RoomFormat": "room1=2,0",
  "Adults": 2,
  "Childs": 0,
  "Rooms": 1,
  "Currency": "SGD"
}
```

### Response Key Fields

Similar to Get the hotel’s detail’s response. Please refer to the above.

**Success 200**

```
{
  "CachekeyValue": "TA-151194075220623",
  "CheckIn": "2017-12-10",
  "CheckOut": "2017-12-12",
  "RoomFormat": "room1=2,0",
  "Adults": 2,
  "Childs": 0,
  "Rooms": 1,
  "Currency": "SGD",
  "Destination": "Singapore, Singapore",
  "HotelID": "80852",
  "TpHotelId": "3c033479c865f395cc3cc204b33d75b99fa89a15",
  "HotelName": "Hotel 81 - Geylang",
  "Description": null,
  "city": "Singapore",
  "Country": null,
  "latitude": 1.31181,
  "longitude": 103.87983,
  "street1": "20 Lorong 16 Geylang, Singapore, Singapore, 398863",
  "postalCode": null,
  "StarRating": "2",
  "ReviewScores": "",
  "ReviewCount": "",
  "RecommendationCount": "",
  "TotalCost": 0,
  "TotalCostInclusive": 121.76,
  "NoOfNights": 2,
  "LstHotelImages": [
    {
      "Title": null,
      "URL": "https://media.expedia.com/hotels/3000000/2810000/2806500/2806435/2806435_10_b.jpg"
    },
    {
      "Title": null,
      "URL": "https://media.expedia.com/hotels/3000000/2810000/2806500/2806435/2806435_11_b.jpg"
    }
  ],
  "LstRooms": [
```

```
{
  "LstRoomDetails": [
    {
      "Id": null,
      "CachekeyValue": "TA-151194075220623",
      "HotelID": "2375607",
      "TpHotelId": "3c033479c865f395cc3cc204b33d75b99fa89a15",
      "Description": "Double Standard",
      "TypeValue": "",
      "TypeCode": "",
      "Location": null,
      "RoomCode": "443261366120",
      "RoomTypeCode": "123",
      "RoomCategoryCode": "789",
      "RoomType": "Double",
      "RomCategory": "Deluxe",
      "Balance": "10",
      "RateType": "MerchantStandard",
      "Key": "443261366120-3261366120-1-0-2017-12-10",
      "Taxes": 0,
      "DistributorFee": 0,
      "AverageNightlyStrikeRate": 87.85,
      "TotalStrikeRate": 175.69,
      "TotalCostInclusive": 175.69,
      "Fee": 0,
      "BookingFee": 0,
      "CheckoutFee": 0,
      "Link": "443261366120-3261366120-1-0-2017-12-10",
      "RoomNo": 1,
      "AverageNightlyRate": 87.85,
      "TotalCost": 175.69,
      "ChargeablesText": null,
      "PromotionText": "",
      "PromoCode": "",
      "Amount": 0,
      "HotelCode": null,
      "FreeCancellable": false,
      "breakfast_type": null,
      "isbreakfast": false,
    }
  ]
}
```

```
    "HasFreeInternet": false,  
    "Board": null,  
    "CancellUpto": null,  
    "ProviderCode": "cQNdyZIRKAhONIkWQUzT",  
    "availToken": "cQNdyZIRKAhONIkWQUzT",  
    "RequestCode": "cc6a912b-64f5-4e2c-b92c-e027cacfd953"  
  },  
  {  
    ...  
  },  
  {  
    ...  
  }  
]  
}  
],  
"CheckInTime": "2017-12-10",  
"CheckOutTime": "2017-12-12",  
"HotelCode": null,  
"Provider": ""  
}
```

**Error**

*No data found.*

## Get room rate rules of hotel

*POST /api/MSFHotels/GetRateRules/*

**Permission:** None

**Key Notes**

Prices may change in this RateRules request. Developer must take note of any price changes in this response and do the necessary notification on your system. The price listed here will be the final price. Changes in price is determined by the hotel.

Should your request from the earlier request be without the guest’s passport issuance country, in this raterule response, you will also find the room category description, room type description, room category code, room type code and balance parameter.

**Parameter**

Field	Type	Required	Description
RequestCode	String	Yes	Request code of room from list room result(api) (Ex: 4ba40bce-eed8-4275-83ae-4a052349a654)
Token	String	Yes	Token of agency

**Data example****Parameter**

```
{
  "RequestCode": "840a1c05-e17c-4801-892e-fc576573e296",
  "Token": "ABCDEFGHJKLMNPO"
}
```

**Response Key Fields****Base Object**

Fields	Type	Null?	Remarks
HotelName	string	N	The name of the hotel, for example, "Shangri-La's Rasa Sentosa Resort"
HotellImage	string	Y	The URL of the hotel image, for example "http://media.expedia.com/hotels/1000000/10000/

			6600/6519/07fb2f0c_b.jpg "
StarRating	string	Y	The star rating of the hotel, for example, "5"
Chaincode	string	Y	The chain code of the hotel
HotelId	string	N	The ID of the hotel
TpHotelID	String	N	The Internal ID of hotel.
City	string	Y	The city in which the hotel is located
State	string	Y	The state in which the hotel is located
Country	string	Y	The country in which the hotel is located
Postalcode	string	Y	The postal code of the hotel
bf_type	string	Y	The type of breakfast
PriceBreakDown	Object	N	List of PriceOption (Refer to PriceOption object below)
purchaseToken	string	Y	If this value is returned, please pass it in the booking request
agencyReference	string	Y	If this value is returned, please pass it in the booking request
IsOwnProduct	boolean	N	Deprecated
totalCostPayable	String	N	The cost of the room, without taxes
ActualTotalCostInclusive	String	N	The cost of the room in the provider’s response
OtherTotalCostPayable	String	N	The cost of the room, including all applicable taxes (but excluding taxes payable by the guest directly to the hotel).
CreditExchangeRate	String	N	Deprecated
DisplayExchangeRate	String	N	Deprecated
RequireOneNamePerRoom	Boolean	N	Indicates if you are requires to send the guest’s name for each room in your booking request.

**PriceOption Object**

Fields	Type	Null?	Remarks
--------	------	-------	---------

key	string	Y	The key of this room booking.
HotelId	string	N	The ID of the hotel
TpHotelID	String	N	The Internal ID of hotel.
RoomType	string	Y	The room type code, if any.
RoomDescription	string	N	The description of the room
RoomCode	string	Y	The code of the room, if any
RoomCategory	string	Y	The category of the room, if any
RateCode	string	N	The code of the room rate if any
RateAccessCode	string	N	This code will be used for the booking request "expedia~220613~fafa6531-9fd1-4283-8d32-3f56ce20f8f8-5206~2017-08-29~2017-08-30~SGD~1~room1=2,0~14~236762~28715"
TotalCost	string	Y	The cost of the room, without taxes
OtherTotalCost	String		The amount of other payable for the room
TotalCostCurrency	string	Y	The currency code
Taxes	string	Y	The amount of taxes for the room
TaxesCurrency	string	Y	The currency code
TaxesAndFees	string	Y	Taxes and fees for the room
TaxesAndFeesCurrency	string	Y	The currency code
DistributorFee	string	Y	Any distributor fees for the room
DistributorFeeCurrency	string	Y	The currency code
CheckoutFee	string	Y	Fees payable by the guest directly at the hotel. This information needs to be appear in the page for the booker to read.
CheckoutFeeCurrency	string	Y	The currency code in which the check out fees are returned. If the currency code is different from the currency that the hotel is handling, this is a converted value for the convenience of the user only. Check out fees are always paid in local hotel currency
TotalCostInclusive	string	N	The cost of the room, including all applicable taxes



			(but excluding taxes payable by the guest directly to the hotel). This value is recommended to use to display to the user
TotalCostInclusiveCurrency	string	N	The currency code the cost is returned in
TotalStrikeRate	string	Y	The rate of the rooms, before discount
TotalStrikeRateCurrency	string	Y	The currency of the undiscounted rate
ListHotelFees	string	Y	An array containing fees that the guest needs to pay
Listpromotions	string	Y	List of Promotion object. (Refer to the Promotion Object below).
CancellationPolicy	string	Y	List of CancellationPolicy Object. (Refer to the CancellationPolicy Object below)
bed_type	string	Y	The bedding type
isbreakfast	boolean	Y	Indicates if breakfast is included in the rate
bf_type	string	Y	The type of breakfast, if the rate includes breakfast
commentContract	string	N	If this value is returned, this information needs to be shown to the booker as it contains important information for the guest.
adultIDs	string	Y	If this value is returned, it needs to be included in the booking request
childIDs	string	Y	If this value is returned, it needs to be included in the booking request
isBreakfastIncluded	boolean	Y	If this is value is true, the rates have additional meal details
breakfastIncludedForNoOf Adults	string	Y	Indicates the number of adult breakfast is included for
breakfastIncludedForNoOf Children	string	Y	Indicates the number of child breakfast is included for
BreakfastChargesPerExtra Adult	double	Y	Indicates the cost of breakfast for the adults that exceeds the included amount.
BreakfastTotalCost	double	Y	The total cost of the breakfast. This is already included in the rates and are returned here

			for informational purposes only
mealPlan	string	Y	The type of meals included in the rate
ActualTotalCostInclusive	Double	Y	The cost of the room in the provider’s response
ActualTotalCostInclusiveCurrency	String	Y	The currency code in the provider’s response
Exchangerate	double	Y	Exchange of the actual cost to the response currency if applicable
RoomTypeCode	string	Y	Room type code (bed type)
RoomCategoryCode	String	Y	Room category code
Balance	string	Y	Balance allotment for this room category room type

### Promotion Object

Fields	Type	Null?	Remarks
code	string	Y	The promotion code
amount	string	Y	The amount that the promotion is applicable for. This is informational only, the TotalCostInclusive has already taken promotions into consideration.
endDate	string	Y	The date in which the promotion will end
startDate	string	Y	The date in which the promotion will start. This could be in the past.
shortMarketingText	string	N	Description of the promotion
nightsRequired	string	Y	Minimum number of nights required before the promotion will apply
nightsFree	string	Y	Number of nights the promotion will give free nights
isPosExclusive	boolean	Y	Indicates if the promotion is exclusive to certain point of sales only

### CancellationPolicy Object

Fields	Type	Null?	Remarks
Description	string	N	The cancellation policy of the room in text, for example "Charges will apply if changes or cancellations are made on or after 22 Aug 2017 11:59 hotel local time."
OrbitzPenalty	string	Y	This value will always be NULL for now
HotelPenalty	string	Y	This value will always be NULL for now
PenaltyTypeCode	string	N	Either "FREE_CANCELLATION" or "NONREFUNDABLE" to indicate if this rate is non-refundable or not.
PenaltyType	string	N	The cancellation policy of the room in text, for example "Charges will apply if changes or cancellations are made on or after 22 Aug 2017 11:59 hotel local time."
AsOfDate	string	N	The hotel local date and time in which the cancellation policy will come into effect, for example "22 Aug 2017 11:59"

**Success 200**

```
[
  {
    "HotelName": "Hotel 81 - Geylang",
    "HotelImage": null,
    "StarRating": null,
    "Chaincode": null,
    "HotelId": "368077",
    "TpHotelId": "3c033479c865f395cc3cc204b33d75b99fa89a15",
    "ReviewScore": null,
    "ReviewCount": null,
    "RecommendationCount": null,
    "City": null,
    "State": null,
    "Country": null,
    "Postalcode": null,
    "bf_type": null,
    "PriceBreakDown": [
      {
        "key": null,
        "HotelId": "368077",
        "TpHotelId": "3c033479c865f395cc3cc204b33d75b99fa89a15",
        "RoomType": "",
        "RoomDescription": "Double Or Twin Run Of House",
        "RoomCode": "441077846364",
```

```

"RoomCategory": null,
"RateCode": "1077846364-1-0",
"RateAccessCode": "1077846364-1-0",
"TotalCost": 143.35,
"TotalCostCurrency": "SGD",
"Taxes": 0,
"TaxesCurrency": "SGD",
"TaxesAndFees": 0,
"TaxesAndFeesCurrency": "SGD",
"DistributorFee": 0,
"DistributorFeeCurrency": "SGD",
"CheckoutFee": 0,
"CheckoutFeeCurrency": null,
"TotalCostInclusive": 143.35,
"TotalCostInclusiveCurrency": "SGD",
"TotalStrikeRate": 143.35,
"TotalStrikeRateCurrency": "SGD",
"ListHotelFees": null,
"Listpromotions": null,
"CancellationPolicy": {
  "Description": "Charges will apply if changes or cancellations are made on or after 01 Dec 2017 00:00. The cancellation date and time is based on London time (GMT+0). Please consider local time difference and allow extra time where applicable.",
  "OrbitzPenalty": "",
  "HotelPenalty": "104.1",
  "PenaltyTypeCode": "FREE_CANCELLATION",
  "PenaltyType": "Charges will apply if changes or cancellations are made on or after 01 Dec 2017 00:00. The cancellation date and time is based on London time (GMT+0). Please consider local time difference and allow extra time where applicable.",
  "AsOfDate": "01/12/2017 00:00:00"
},
"bed_type": null,
"isbreakfast": false,
"bf_type": null,
"commentContract": null,
"adultIDs": null,
"childIDs": null,
"isBreakfastIncluded": 0,
"breakfastIncludedForNoOfAdults": null,
"breakfastIncludedForNoOfChildren": null,
"BreakfastChargesPerExtraAdult": 0,
"BreakfastTotalCost": null,
"mealPlan": null

```

```
    }  
  ],  
  "purchaseToken": null,  
  "agencyReference": null,  
  "RequireOneNamePerRoom": true  
}  
]
```

**Error**

*No data found.*

## Booking hotel

*POST /api/MSFHotels/Book***Permission: None**

Field	Type	Required	Description
Token	String	Yes	Token of agency
BookingSource	String	Yes	availToken of room from get hotel’s detail api
SpecialRequest	String	No	Guest’s special request for the hotel. Non guarantee.
Travellers	List object		
Index	Integer	Yes	Index of traveler
FirstName	String	Yes	First name of traveller
LastName	String	Yes	Last name of traveler
Email	String	Yes/No	Email of traveler (email for lead guest is required)
CountryCode	String	No	Country code
Phone	String	No	Phone code
PhoneNumber	String	No	Phone number
TravellerType	String	Yes	Type of traveler (Adult, Child)
Salutation	String	Yes	Salutation (Mr, Ms, Mrs)
Nationality	String	Yes	Passport country of issuance (2-Letter country code)
InRoomNo	String	Yes	The room where the guest will be staying
BillingAddressDetails	Object		Billing information
BillingLine1	String	Yes	Billing Address 1
BillingLine2	String	No	Billing Address 2
BillingCity	String	Yes	Billing City
BillingState	String	No	Billing State
BillingCountry	String	Yes	Billing Country
BillingZipCode	String	Yes	Billing ZipCode

## Data example

### Parameter

```
{
  "Token": "ABCDEFGHJKLMNQP",
  "BookingSource": "cQNdyZIRKAhONIkWQUzT",
  "Travellers": [{
    "Index": 1,
    "FirstName": "firstname",
    "LastName": "lastname",
    "Email": "your email address",
    "CountryCode": null,
    "Phone": "+ 65",
    "PhoneNumber": "81231292",
    "TravellerType": "Adult",
    "Salutation": null
  }, {
    "Index": 2,
    "FirstName": "TBA",
    "LastName": "TBA",
    "Email": "email address",
    "CountryCode": null,
    "Phone": "+ 65",
    "PhoneNumber": "12345678",
    "TravellerType": "Adult",
    "Salutation": null
  }],
  "BillingAddressDetails": {
    "BillingLine1": "ABC",
    "BillingLine2": "",
    "BillingCity": "Singapore",
    "BillingState": "Singapore",
    "BillingCountry": null,
    "BillingZipCode": "128392"
  }
}
```

## Response Key Fields

### Base Object

Fields	Type	Null?	Remarks
UniqueTxnId	string	N	The transaction ID of the booking
Amount	string	Y	The amount charged
CustomerName	string	Y	The name of the guest
CustomerEmail	string	N	The email address of the guest
BookingStatus	string	N	The status of the booking, Successful, Failed
BookingId	string	N	The booking ID of the booking
Currency	string	N	The currency that the booking was made in
ErrorMsg	string	Y	The error message, if any
ProductType	string	N	This will always be “hotel”
BookingRef	string	N	The reference of the booking. Use this value for cancellation and any subsequent follow up.
ProductBookingId	string	N	Internal booking reference number from api
ObjActivitySearch	string	Y	This value is always null
Status	boolean	N	Deprecated
IsPayLink	boolean	N	Not applicable
PaymentId	string	N	Internal reference for payment record
PaymentType	string	Y	Not applicable
CardNumber	string	Y	Not applicable
ExpiryDate	string	Y	Not applicable
TransactionID	string	Y	Not applicable
SourceApplication	string	N	Not applicable
PNRNumber	string	Y	Not applicable
IsPromotion	boolean	N	Not applicable
AgentID	string	N	Not applicable
Paymenttypemsg	string	N	Indicates payment method
TransPK	string	N	Not applicable
Provider	String	N	Indicate the source of rate



CancellationPolicy	String	N	Cancellation notes from hotel/supplier
ImportantInformation	String	N	Message from hotel/supplier
AdditionalInformation	String	N	Message from supplier

**Success 200**

```

{
  "UniqueTxnId": "",
  "Amount": "143.35",
  "CustomerName": null,
  "CustomerEmail": null,
  "BookingStatus": "Success",
  "BookingId": "b7dd845b-93f2-4a9e-9d18-c73f9ad60507",
  "Currency": "SGD",
  "ErrorMsg": "Success",
  "ProductType": "hotel",
  "BookingRef": "201711000032",
  "ProductBookingId": "52123",
  "ObjActivitySearch": null,
  "Status": false,
  "IsPayLink": false,
  "PaymentId": "bb713bc3-12f4-49ec-91d8-52d265838f82",
  "PaymentType": null,
  "CardNumber": "",
  "ExpiryDate": "",
  "TransactionID": "",
  "SourceApplication": "B2B",
  "PNRNumber": null,
  "IsPromotion": false,
  "AgentID": 0,
  "paymenttypemsg": "CreditLimit",
  "TransPK": 0,
  "Provider": "xxxxxxx",
  "CancellationPolicy": "",
  "ImportantInformation": "",
  "AdditionalInformation": ""
}

```

**Error**

*No data found.*

## Cancel

*POST /api/MSFHotels/Cancel/*

**Permission:** None

Field	Type	Required	Description
BookingRef	String	Yes	This is the booking reference number that MSF will cancel. (201705000084)
Email	String	Yes	The email address of the principal booker.
Token	String	Yes	Token of agency

## Request

```
{
  "BookingRef": "201705000084",
  "Email": "testing@booking.com"
  "Token": "ABCDEFGHJKLMNQP"
}
```

## Response

Fields	Type	Null?	Remarks
<b>cancellationNumber</b>	string	N	The cancellation number returned from MSF.  For eg, "284186057-1234-1234"
<b>message</b>	string	N	Response message in detail that can be reproduced on Agent website  For eg "Your hotel booking is cancelled successful"
<b>status</b>	boolean	N	Status of the cancellation. True for cancelled, False for otherwise.  For eg, true

```
{
  "cancellationNumber": "284186057-1234-1234",
  "message": "Your hotel booking is cancelled successful",
  "status": true
}
```

## Retrieve Booking

```
POST /api/MSFHotels/RetrieveBooking/
```

**Permission:** None

## Parameters

Field	Type	Required	Description
BookingRef	String	Yes	This is the booking reference number that MSF will retrieve. (201705000084)
Email	String	Yes	The email address of the principal booker.
Token	String	Yes	Token of agency

## Request

```
{
  "BookingRef": "201705000084",
  "Email": "testing@booking.com"
  "Token": "ABCDEFGHJKLMNQP"
}
```

## Response

**BookingDetails Object**

Fields	Type	Null?	Remarks
booking_ref	string	N	The reference of the booking.
destination	string	N	The city of the hotel
booking_date	string	N	The date and time of booking.
salutation	string	N	Salutation of lead guest
first_name	string	N	First name of lead guest
last_name	string	N	Last name of lead guest
email	string	N	Email of lead guest
phone	string	N	Contact no of lead guest
adults	string	N	No of adults in this booking
childs	string	N	No of child in this booking
rooms	string	N	No of rooms in this booking
booking_type	string	N	Booking Type, in this case, hotel

special_request	string	N	Special request from the guest in this booking
cancelled_date	string	N	If this booking is cancelled, the date and time of cancellation is returned
booking_status	string	N	Booking status
traveller_address1	string	N	Address of lead guest
traveller_address2	string	Y	Address of lead guest
traveller_city	string	N	City of lead guest
traveller_state	string	Y	State of lead guest
traveller_country	string	N	Country of lead guest
traveller_zip_code	string	N	Zipcode of lead guest
display_charged_amount	string	N	Amount charged for the booking
display_currency	string	N	Currency of amount charged for the booking

### ProductDetails Object

Fields	Type	Null?	Remarks
provider_confirmation_code	string	N	Booking reference from the supplier.
product_name	string	N	Name of hotel booked
as_of_date	String	N	Cancellation policies

### Response

```
{
  "BookingDetails": {
    "booking_ref": "201705000084",
    "destination": "Singapore",
    "booking_date": "2019-02-07T04:11:07.497",
    "salutation": "Mr",
    "first_name": "James",
    "last_name": "Tan",
    "email": "jamestan@email.com",
    "phone": "+ 65",
    "adults": 2,
    "childs": 0,
    "rooms": 1,
    "booking_type": "hotel",
    "special_request": "high floor",
    "cancelled_date": "2019-02-07T12:26.567",
    "booking_status": "Cancelled",
    "traveller_address1": "Starlight street",
    "traveller_address2": "",
    "traveller_city": "Singapore",
    "traveller_state": "Singapore",
    "traveller_country": ""
  }
}
```

```
    "traveller_zip_code": "128392",  
    "display_charged_amount": 105.98,  
    "display_currency": "SGD"  
  },  
  "ProductDetails": {  
    "provider_confirmation_code": "327310068",  
    "product_name": "The Claremont",  
    "as_of_date": "06 Feb 2019__Charges will apply if cancellation is made on or after 06 Feb 2019__NONREFUNDABLE"  
  }  
}
```