

# TRIPJACK

## HOTEL API DOCUMENTATION

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## **Table of Contents:**

1. Introduction
2. Sample API Connection
3. Service Definition
4. Web Service Flow
5. Hotel Service
6. Common Object Structure
7. Tax Codes and Description
8. Error Codes and Message
9. UAT Certification - (Test Cases)

## **Postman Collection**

Link to Download Postman Collection :

<https://www.getpostman.com/collections/c2e7a886c52809d4f1fa>

Step : 1 : Download the content from Postman Link and save with extension (.json)

Step : 2 : Import the json file to Postman Application

Step : 3: Create Environment File with “apikey” (shared user api key) and host (apitest.tripjack.com).

**Revision History**

<b>Version</b>	<b>Date</b>	<b>Revisions</b>
1.0	01-04-2020	Document Creation

## 1. Introduction

It is intended specially for developers and other team members to help them know how the Hotel API Service works. This guide provides all the required information to integrate this TRIPJACK.COM Hotel API.

All the steps right from search, hotel details to review and final booking are sequentially followed by using a shared api key header (“apikey”).

## 2. Sample API Connection

### 1.Java

```
protected String getApiResponse(String request, String apiUrl) {
    Proxy proxy = null;
    URL endPoint = null;
    String responseBody = null;
    try {
        endPoint = new URL(apiUrl);
        URLConnection urlConnection = endPoint.openConnection();
        setHeaderParams(urlConnection);
        setPostData(urlConnection, request);
        urlConnection.connect();
        responseBody = getReponseContent(urlConnection);
    } catch (IOException ioe) {
        ioe.printStackTrace();
    } finally {
    }
    return responseBody;
}

private void setHeaderParams(URLConnection urlConnection) {
    urlConnection.setRequestProperty("content-type", "application/json");
    urlConnection.setRequestProperty("apikey", "xxxx-yyyy-zzzz");
}

private void setPostData(URLConnection urlConnection, String request) throws IOException {
    urlConnection.setDoOutput(true);
    OutputStream outputStream = urlConnection.getOutputStream();
    OutputStreamWriter osw = new OutputStreamWriter(outputStream);
    osw.write(request.toString(), 0, request.toString().length());
    osw.flush();
    osw.close();
}
```

### 3. Service Definition

Below are the available service URL & definition:-

#### UAT Environment:

**Protocol** : https

**Domain**: apitest.tripjack.com

Service Name	URL
Search List Service	https://apitest.tripjack.com/hms/v1/hotel-searchquery-list
Search by search id	https://apitest.tripjack.com/hms/v1/hotel-search
Detail Service	https://apitest.tripjack.com/hms/v1/hotelDetail-search
Review Service	https://apitest.tripjack.com/hms/v1/review
Book Service (Instant Booking)	https://apitest.tripjack.com/oms/v1/hotel/book
Book Service (Hold Booking)	https://apitest.tripjack.com/oms/v1/hotel/book
Book Service (Confirm Hold Book)	https://apitest.tripjack.com/oms/v1/hotel/confirm-book
Booking Details	https://apitest.tripjack.com/oms/v1/hotel/booking-details
Cancel Booking	https://apitest.tripjack.com/oms/v1/hotel/cancel-booking

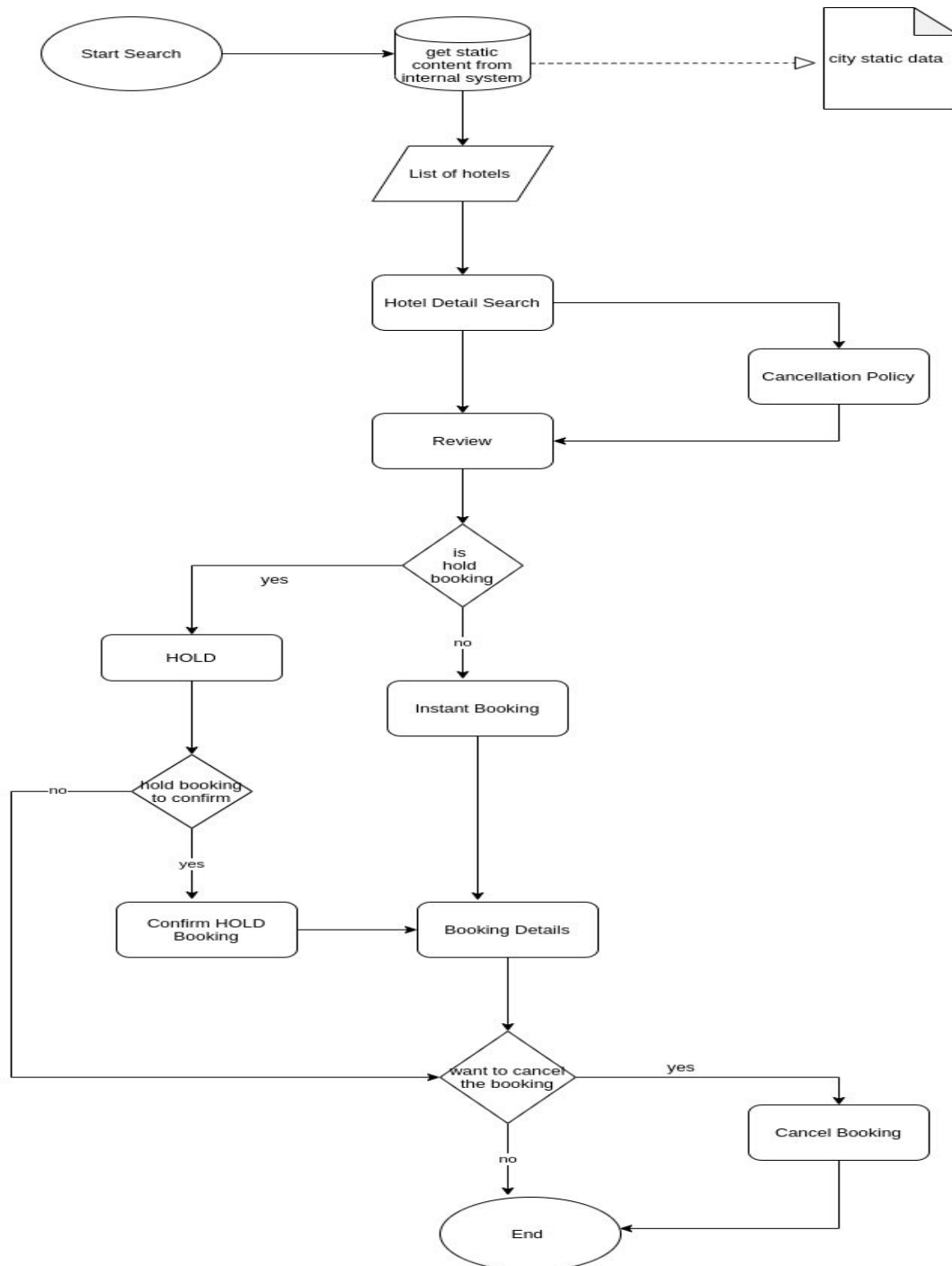
**Production Environment:**

After Sign Off from UAT , Production will be shared

Service Name	URL
Search List Service	
Search by search id	
Detail Service	
Review Service	
Book Service (Instant Ticket)	
Book Service (Hold)	
Book Service (Confirm Hold Book)	
Booking Details	
Cancel Booking	

#### 4. Web Service flow

##### Search



## 5. HOTEL SERVICE

1. SEARCH LIST SERVICE
2. SEARCH BY SEARCH ID
3. DETAIL
4. CANCELLATION POLICY
5. REVIEW
6. BOOKING API
  - a. INSTANT BOOK
  - b. HOLD
  - c. CONFIRM HOLD BOOKING
7. BOOKING DETAILS
8. CANCEL BOOKING
9. FETCHING HOTEL METADATA(STATIC DATA)

\*\* {{host}} : apitest.tripjack.com

Complete Booking Log : (2Rooms without child)

Complete Booking Log : (2Rooms with child)

[Click Here to Take Complete Flow - Sample Logs](#) -



## 5.1 SEARCH LIST SERVICE

### Availability Types:

The following section describes the availability method exposed via the API to search.

This method provides the search id, which will be used in SEARCH BY SEARCH ID service, to get search results.

API : hotel-searchquery-list

Request: Search Request

Response: Search Id

**URL:** <https://apitest.tripjack.com/hms/v1/hotel-searchquery-list>

**Request Method:** POST

Samples : Needs to create a collection of different types of request/response. - Refer Air API Documentation.

Cases are:

Single Room, Multiple Rooms, without child, with child, domestic, international.

\*Please change dates in sample request

→ **Sample Request View:**

```

{
  "searchQuery": {
    "checkinDate": "2020-04-04",
    "checkoutDate": "2020-04-05",
    "roomInfo": [
      {
        "numberOfAdults": 1,
        "numberOfChild": 2,
        "childAge": [
          5,7
        ]
      },
      {
        "numberOfAdults": 3,
        "numberOfChild": 0
      }
    ],
    "searchCriteria": {
      "city": "110203",
      "nationality": "106",
      "currency": "INR"
    },
    "searchPreferences": {
      "ratings": [
        3,
        4,
        5
      ],
      "fsc": true
    }
  }
}

```

**\* Checkin/Checkout Date Format : YYYY-MM-DD**

## RoomInfo

1. In the case of a **single room** - one roomInfo object with numberOfAdults and numberOfChild and childAge will be present.
2. In the case of a **multiple room** - multiple roomInfo object with numberOfAdults and numberOfChild and childAge will be present.
3. If there is **no child** - numberOfChild value should be passed as 0 and there is no need to pass childAge key in the roomInfo object.

## Search Criteria

1. **"city"** : It is the city id of the city for which hotel results are required. Value of this is required to be set from the hotel city dump.
2. **"nationality"** : It is the nationality of the person who is initiating the search. Value of this would be provided to you separately.
3. **"currency"** : It is the currency in which you want to get the prices of the search result. Currently, "INR" is only supported.

## Search Preferences

1. If only specific **star ratings** hotels are required - specify list of ratings in the ratings object.
2. If **special category** hotels are required - specify "fsc" : true.

\* some suppliers provide special categories in the rating instead of standard star rating value, therefore if you want to get the result of those suppliers as well you need to set "fsc" as true.

\* **Checkin/Checkout Date Format : YYYY-MM-DD**

## → Request Payload Structure

Key	Parent	Type	Description	Mandatory/ Optional
<b>searchQuery</b>	root	Object	Contains information related to hotel search requests.	Mandatory
<b>checkinDate</b>	searchQuery	String	Check-in-date, in ISO format (YYYY-MM-DD), for e.g. "2019-12-24".	Mandatory
<b>checkoutDate</b>	searchQuery	String	Check-out-date, in ISO format (YYYY-MM-DD), for e.g. "2019-12-24".	Mandatory
<b>roomInfo</b>	searchQuery	ArrayList	Contains Room specific hotel information.	Mandatory
<b>numberOfAdults</b>	roomInfo	Number	Contains the count of adults present. For e.g. 2,3,4	Mandatory
<b>numberOfChild</b>	roomInfo	Number	Contains the count of children present. Range can be 0-12.	Optional
<b>searchCriteria</b>	searchQuery	Object	Contains more concrete information to search for a hotel.	Mandatory
<b>city</b>	searchCriteria	String	Contains the city id to search for. For e.g. "Delhi", "Mumbai" etc.	Mandatory
<b>nationality</b>	searchCriteria	Number	Contains nationality	Mandatory
<b>currency</b>	searchCriteria	String	Contains currency in which you want to get the price details.	Mandatory
<b>searchPreferences</b>	searchQuery	Object	Contains search preferences	Optional
<b>ratings</b>	searchPreferences	ArrayList	The rating assigned to this property. Default value is [1,2,3,4,5]	Optional
<b>fsc</b>	searchPreferences	Boolean	Fetch Special Category. Default value is false.	Optional

**Response Sample View:**

```
{
  "searchIds": [
    "hsid4845176138"
  ],
  "status": {
    "success": true,
    "httpStatus": 200
  },
  "metaInfo": {}
}
```

**5.2 SEARCH BY SEARCH ID**

This method provides availability information with the cheapest fare option available. When the request is requested, the system starts validating and the search engine starts searching for the search query and will **return the best price options available SearchResults from all suppliers.**

**URL:** <https://apitest.tripjack.com/hms/v1/hotel-search>

**Request Method:** POST

→ **Sample Request View:**

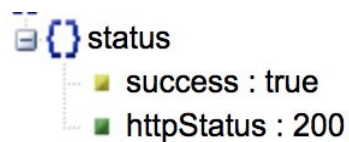
```
{
  "searchId": "hsid4845176138"
}
```

**Response Sample View:**

1. Successful search result response looks like below

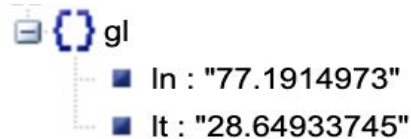


2. In case of no search result from all the suppliers, the response will be returned like below (only httpStatus 200).



**HotelInfo Brief** - Each HotelInfo provides the high level information about the hotel.

- **id** (Identifier) - It is the unique id of each hotel.
- **name** - Name of the hotel.
- **rt** - Star rating of the hotel.
- **gl** - Contains geolocation of the hotel in terms of latitude and longitude.



- ln - Longitude of the hotel
- lt - Latitude of the hotel

→ **ad** - Contains complete address information of the hotel



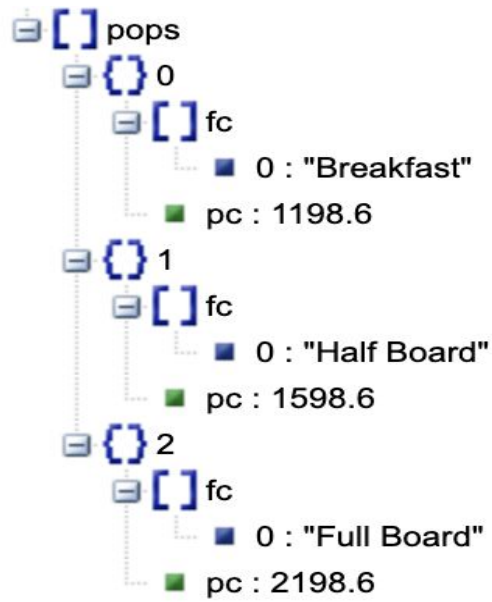
- adr - Address of the hotel
- City - Consist of city information
  - Name - name of the city
- Country - Consist of country information
  - Name of the country

→ **pt** - Property type of the hotel (Enum)

Possible values are:

**GUESTHOUSE, APARTMENT, HOSTEL, RESORT, HOMESTAY, VILLA, FARMHOUSE, HOTEL**

→ **pops** (Processed option) - Contains list of meal wise option prices in sorted order to show in hotel search listing.



- fc (facility) - meal basis
- pc (price) - Price for that option facility

Key	Parent	Type	Description	Mandatory/Optional
<b>searchResult</b>	root	Object	Contain hotel informations	Mandatory
<b>his</b>	searchResult	ArrayList	List of high level hotel information	Mandatory
<b>id</b>	his	String	Unique hotel identifier	Mandatory
<b>name</b>	his	String	Name of the hotel	Mandatory
<b>img</b>	his	ArrayList	List of images of hotel	Mandatory
<b>tns</b>	img	String	Contains thumbnails	Mandatory
<b>des</b>	his	String	Description about the specific hotel	Optional
<b>rt</b>	his	Number	Star rating of the hotel eg.1, 2, 3, 4, 5	Optional
<b>gl</b>	his	Object	Geographic location of the hotel	Mandatory
<b>ln</b>	gl	String	Longitude of hotel	Mandatory
<b>lt</b>	gl	String	Latitude of hotel	Mandatory



<b>ad</b>	his	Object	Address of hotel	Mandatory
<b>adr</b>	ad	String	Address line 1	Mandatory
<b>city</b>	ad	Object	City of hotel	Mandatory
<b>name</b>	city	String	City name	Mandatory
<b>country</b>	ad	Object	Country of hotel	Mandatory
<b>name</b>	country	String	Country name	Mandatory
<b><a href="#">pt</a></b>	his	String	Property Type	Optional
<b>pops</b>	his	ArrayList	Contains facility and price information	Mandatory
<b>fc</b>	pops	ArrayList	Meal information	Mandatory
<b>pc</b>	pops	Double	Contains Option price	Mandatory
<b>size</b>	searchResult	Number	Number of hotels present in response	Mandatory
<b>retryInSecond</b>	root	Number	keep hitting the url in mentioned seconds until you stop getting this field in search response, to get the complete result.	Optional
<b>status</b>	root	Object	Status of response returned	Mandatory
<b>success</b>	status	Boolean	It conveys whether the server was able to return successful result or not	Mandatory
<b>httpStatus</b>	status	Number	Standard http response code	Mandatory

## 5.3 Detail

This method is used to get the details of a specific hotel selected. It contains a list of all possible options available in the hotel along with their price information, facilities and cancellation policy.

**URL:** https://{host}/hms/v1/hotelDetail-search

**Request Method:** POST

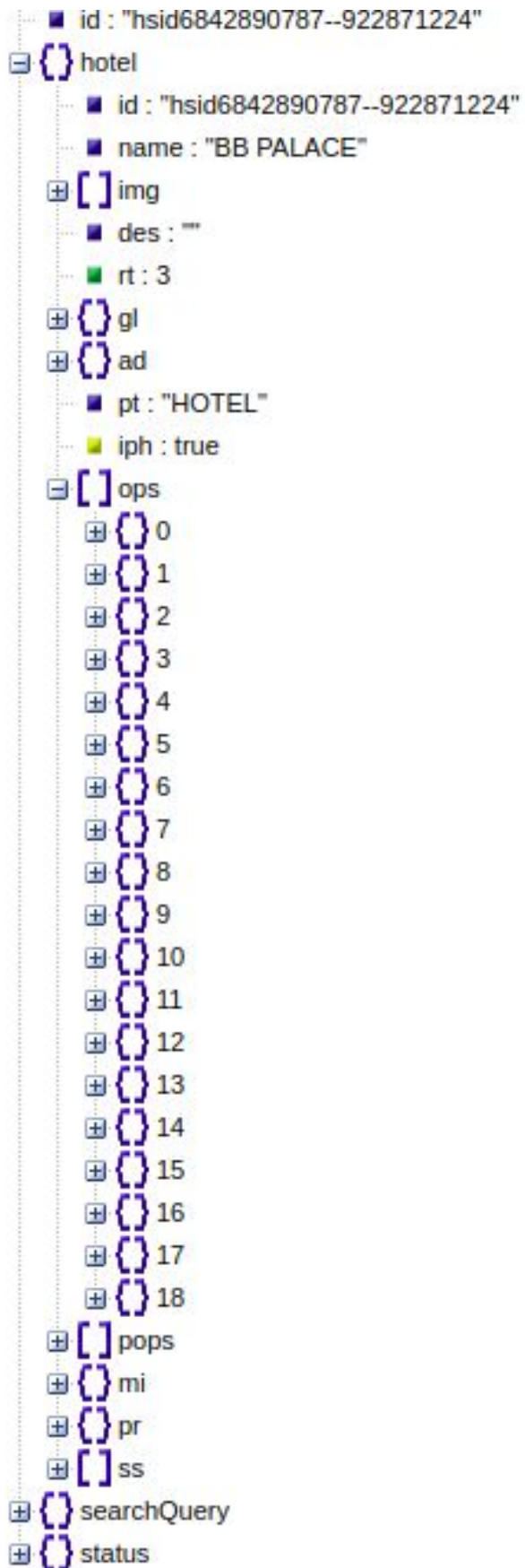
### Sample Request View

```
{
  "id": "hsid9178304060-M184"
}
```

### Request Payload

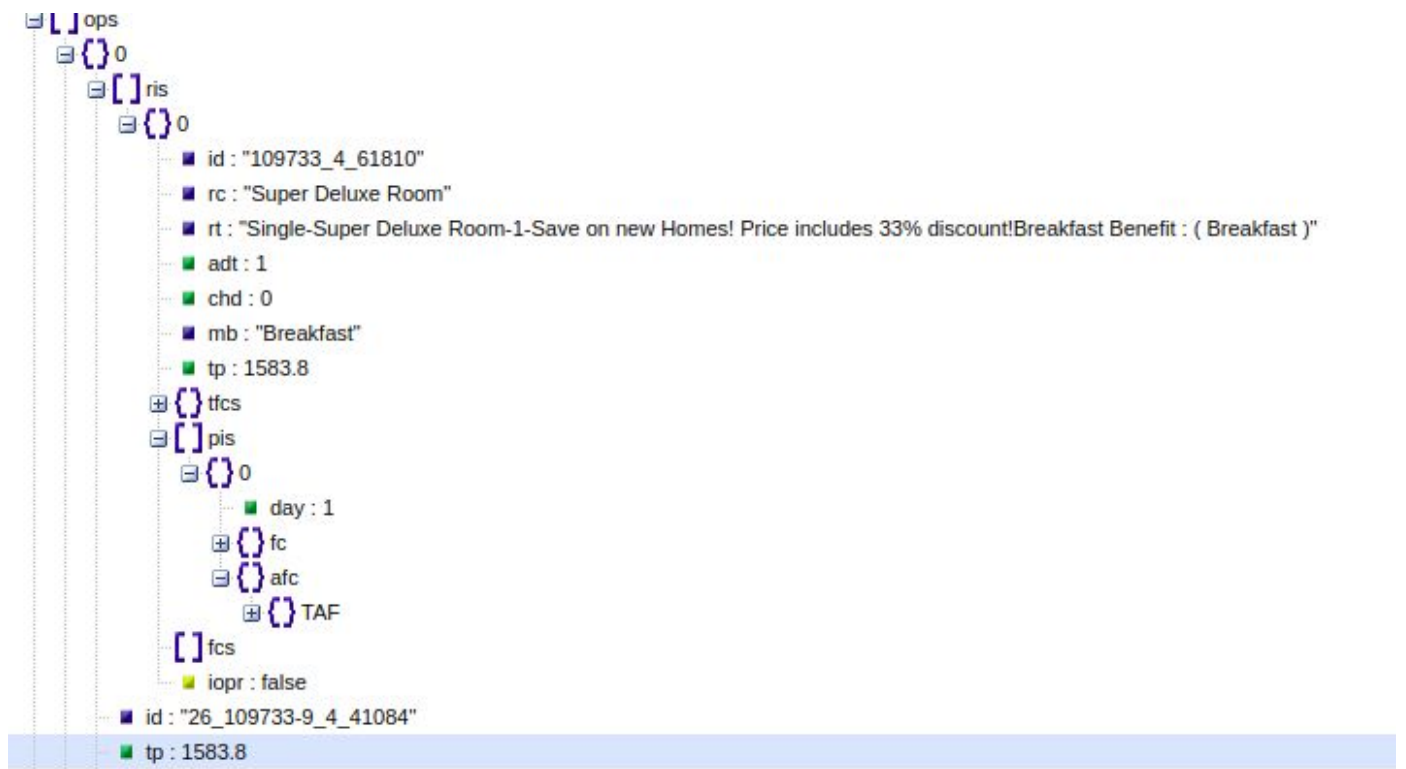
Key	Parent	Type	Description	Mandatory/ Optional
id	root	String	hotel id returned from search response whose details need to be fetched	Mandatory

### Sample response view



**ops(Options):** contains a list of options. Every option has a different set of roomInfos, facilities, priceinfo and miscinfo.

**ris(room Information):** contains a list room details such as room type, room category, meal basis etc.



**mb(meal basis) :** it contains information about the type of meal available for that option.

Its possible values are:

- Full Board
- Breakfast
- Room only
- All Inclusive
- Half Board

**tfcs(Total Fare Components):** contains total fare information of the option.

- TAF: total taxes and fare of option
- NF: total net fare of option

- BF: total base fare of option
- MFT: total management fee tax of option
- TF: total fare of option
- MF: management fee of option

**pis(per night price information list):** contains a list of price information. For e.g. if we have searched a hotel for 3 nights, for every night there will be an object in pis containing day number, fare components for that day and additional fare components for that day.

Day number can be 1, 2, 3 so on

1 represents 1st night

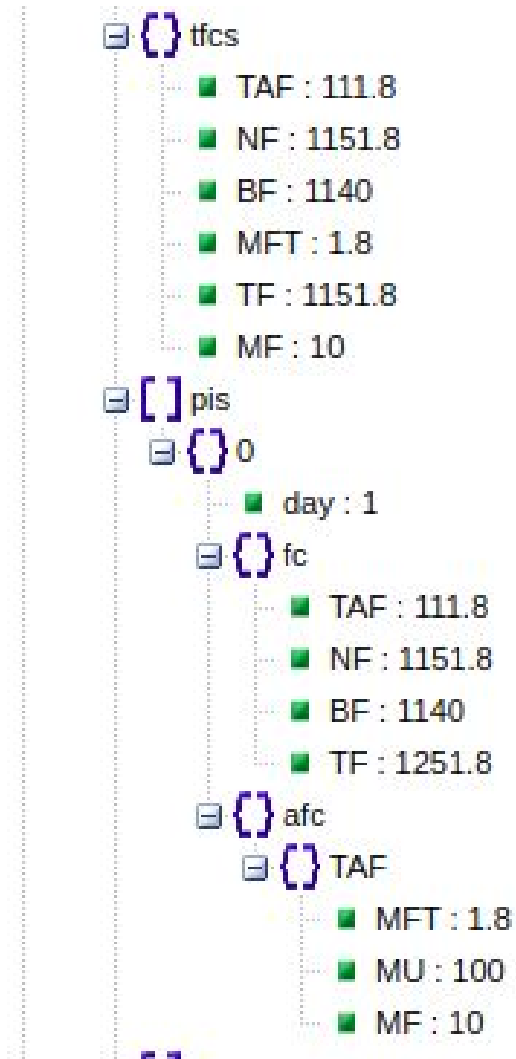
2 represents 2nd night

**fc(Fare components):** it has supplier, taxes, markup related fare information.

- TF: BF + TAF - DS
- BF: Supplier Price
- TAF: Tax And Fees
- NF: TF-MU

**afc(Additional Fare Components):** it has additional fare information which is break up of taxes and fee of **fc**.

- TAF: Taxes And Fee
  - ★ TSF: Tax Recovery Charges, Service Fees and Taxes
  - ★ PF: Property Fees
  - ★ ST: Sales Tax
  - ★ OT: CMU and other taxes
  - ★ MF: Management Fees
  - ★ MFT: Management Fees Taxes
  - ★ MU: Agent Markup
  - ★ DS: Discount
  - ★ GDSF: GDS Fees
  - ★ RF: Resort Fee
  - ★ MNT: Mandatory Tax
  - ★ MNF: Mandatory Fee



**Case 1:** if the requested hotel is no longer available while doing detail search. Response with errors and httpStatus code 400.

**Response :**

Key	Parent	Type	Description	Mandatory/ Optional
id	root	String	Hotel id from request body	Mandatory
hotel	root	Object	Information about selected hotel	Mandatory
Id	hotel	String	Id of selected hotel	Mandatory
name	hotel	String	Name of hotel	Mandatory
img	hotel	ArrayList	List of hotel images	Mandatory
tns	img	String	Contains thumbnail's link	Mandatory
url	img	String	Contains url of hotel image	Mandatory
des	hotel	String	Description of hotel	Mandatory
rt	hotel	Number	Star rating of the hotel eg.1, 2, 3, 4, or 5 star	Mandatory
gl	hotel	Object	Geographic location of the hotel	Mandatory
In	gl	gl	Longitude of hotel	Mandatory
lt	gl	gl	Latitude of hotel	Mandatory
ad	hotel	Object	Address of hotel	Mandatory
adr	ad	String	Address line 1	Mandatory

<b>city</b>	ad	Object	City of hotel	Mandatory
<b>name</b>	city	String	City name	Mandatory
<b>country</b>	ad	Object	Country of hotel	Mandatory
<b>name</b>	country	String	Country name	Mandatory
<b><a href="#">pt</a></b>	hotel	String	Property Type	Optional
<b>iph</b>	hotel	Boolean	Is Preferred hotel	Optional
<b>ops</b>	hotel	ArrayList	List of options	Mandatory
<b>ris</b>	ops	ArrayList	List of room related informations	Mandatory
<b>id</b>	ris	String	Id of particular room	Mandatory
<b>rc</b>	ris	String	Room category	Mandatory
<b>rt</b>	ris	String	Room type	Mandatory
<b>adt</b>	ris	Number	Count of adults in the room	Mandatory
<b>chd</b>	ris	Number	Count of child in the room	Optional
<b><a href="#">mb</a></b>	ris	String	Meal basis- it contains meal information available for that room	Mandatory
<b>tp</b>	ris	double	Total price of that room	Mandatory
<b><a href="#">tfcs</a></b>	ris	Object	Total fare Component	Mandatory
<b>TAF</b>	tfcs	Double	Taxes and fee	Mandatory
<b>NF</b>	tfcs	Double	Net fare	Mandatory
<b>BF</b>	tfcs	Double	Base fare	Mandatory
<b>MFT</b>	tfcs	Double	Management fee and taxes	Mandatory
<b>TF</b>	tfcs	Double	Total fare	Mandatory
<b>MF</b>	tfcs	Double	Management fee	Mandatory



<a href="#">pis</a>	ris	ArrayList	Per night price information list	Mandatory
<b>day</b>	pis	Number	Day count for eg. day 1, day 2	Mandatory
<b>fc</b>	pis	Object	Fare component for that particular night	Mandatory
<b>TAF</b>	fc	Double	Taxes and fee	Mandatory
<b>NF</b>	fc	Double	Net fare	Mandatory
<b>BF</b>	fc	Double	Base fare	Mandatory
<b>TF</b>	fc	Double	Total fare	Mandatory
<b>afc</b>	pis	Object	Additional fare component for the particular night	Mandatory
<b>TAF</b>	afc	Double	Taxes and fee	Mandatory
<b>MFT</b>	TAF	Double	Management fee and taxes	Mandatory
<b>MU</b>	TAF	Double	Markup	Mandatory
<b>MF</b>	TAF	Double	Management fee	Mandatory
<b>fcs</b>	ris	ArrayList	List of room amenities	Mandatory
<b>iopr</b>	ris	Boolean	Is option on request	Optional
<b>id</b>	ops	String	Option id	Mandatory
<b>tp</b>	ops	Double	Total price of option	Mandatory
<b>iopr</b>	ops	Boolean	Is option on request	Optional
<b>isDetailHit</b>	ops	Boolean	Is detail hit	Mandatory
<b>pops</b>	hotel	ArrayList	Contains option level facilities and price information	Mandatory
<b>fc</b>	pops	ArrayList	List of option facilities	Optional
<b>pc</b>	pops	Double	Option price	Mandatory
<b>mi</b>	hotel	Object	Hotel miscellaneous information	Mandatory
<b>set</b>	mi	String	Search key expiry time	Mandatory

<b>pr</b>	hotel	Object	Promotion information	Optional
<b>ilpa</b>	pr	Boolean	Is lowest price allowed	Optional
<b>ifta</b>	pr	Boolean	Is flexible timing allowed	Optional
<b>ss</b>	hotel	ArrayList	List of suppliers	Mandatory
<b>searchQuery</b>	root	Object	Contains information related to hotel search requests.	Mandatory
<b>checkinDate</b>	searchQuery	String	Check-in-date, in ISO format (YYYY-MM-DD), for e.g. "2019-12-24".	Mandatory
<b>checkoutDate</b>	searchQuery	String	Check-out-date, in ISO format (YYYY-MM-DD), for e.g. "2019-12-24".	Mandatory
<b>roomInfo</b>	searchQuery	ArrayList	Contains Room specific hotel information.	Mandatory
<b>numberOfAdults</b>	roomInfo	Number	Contains the count of adults present. For e.g. 2,3,4	Mandatory
<b>numberOfChild</b>	roomInfo	Number	Contains the count of children present. Range can be 0-12.	Optional
<b>searchCriteria</b>	searchQuery	Object	Contains more concrete information to search for a hotel.	Optional
<b>city</b>	searchCriteria	String	Contains the city to search for. For e.g. "Delhi", "Mumbai" etc.	Mandatory
<b>countryName</b>	searchCriteria	String	Contains country name corresponding to the city provided. For e.g. "India"	Mandatory
<b>cityName</b>	searchCriteria	String	City name to search for	Mandatory
<b>nationality</b>	searchCriteria	String	Contains nationality	Mandatory
<b>searchPreferences</b>	searchQuery	Object	Contains search preferences	Mandatory
<b>ratings</b>	searchPreferences	ArrayList	The rating assigned to this property. Default value is [1,2,3,4,5]	Optional
<b>currency</b>	searchPreferences	String	Contains currency in which you want to get the price details.	Mandatory
<b>fsc</b>	searchPreferences	Boolean	Fetch Special Category. Default value is false.	Optional
<b>searchid</b>	searchQuery	String	Search id which get generated as a response of searchQuery-list	Mandatory

<b>isSearchCompleted</b>	searchQuery	Boolean	Is search completed	Mandatory
<b>status</b>	root	Object	Status of response returned	Mandatory
<b>success</b>	status	Boolean	Whether the result was successful or not	Mandatory
<b>httpStatus</b>	status	Number	Standard http response code	Mandatory

## 5.4 CANCELLATION POLICY

This method is used to get the cancellation policy of the selected option of hotel.

**URL:** https://{host}/hms/v1/hotel-cancellation-policy

**REQUEST METHOD:** POST

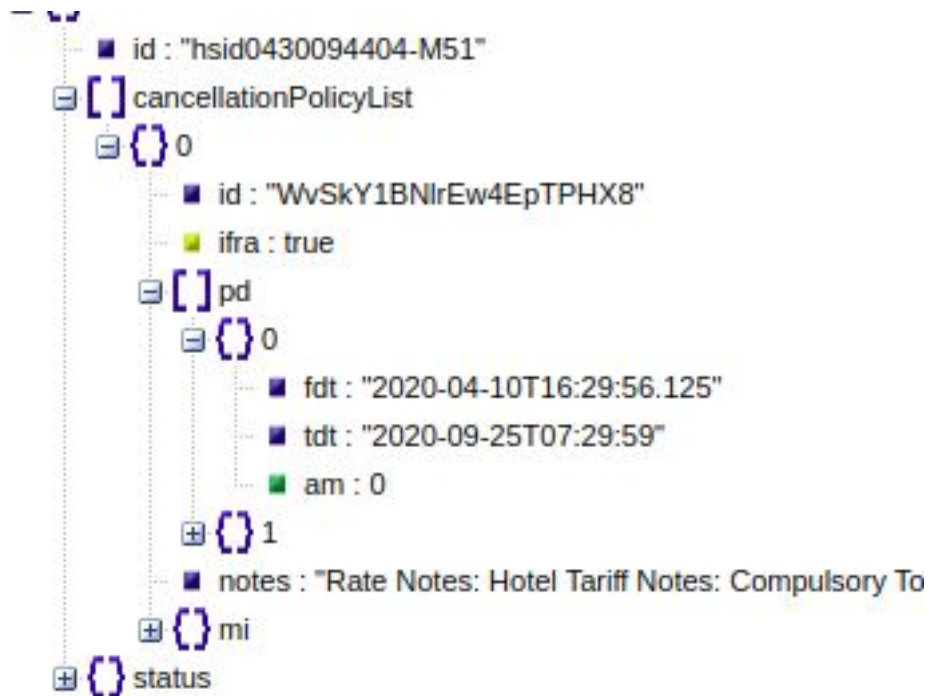
### Sample Request view

```
{
  "id": "hsid5964554140-M51",
  "optionId": "pwFB1k0XeGpblKuUjJ5E"
}
```

### Request Payload

Key	Parent	Type	Description	Mandatory/Optional
<b>id</b>	root	String	Unique hotel id for the selected hotel	Mandatory
<b>optionId</b>	root	String	Unique id of the selected option	Mandatory

### Sample Response view



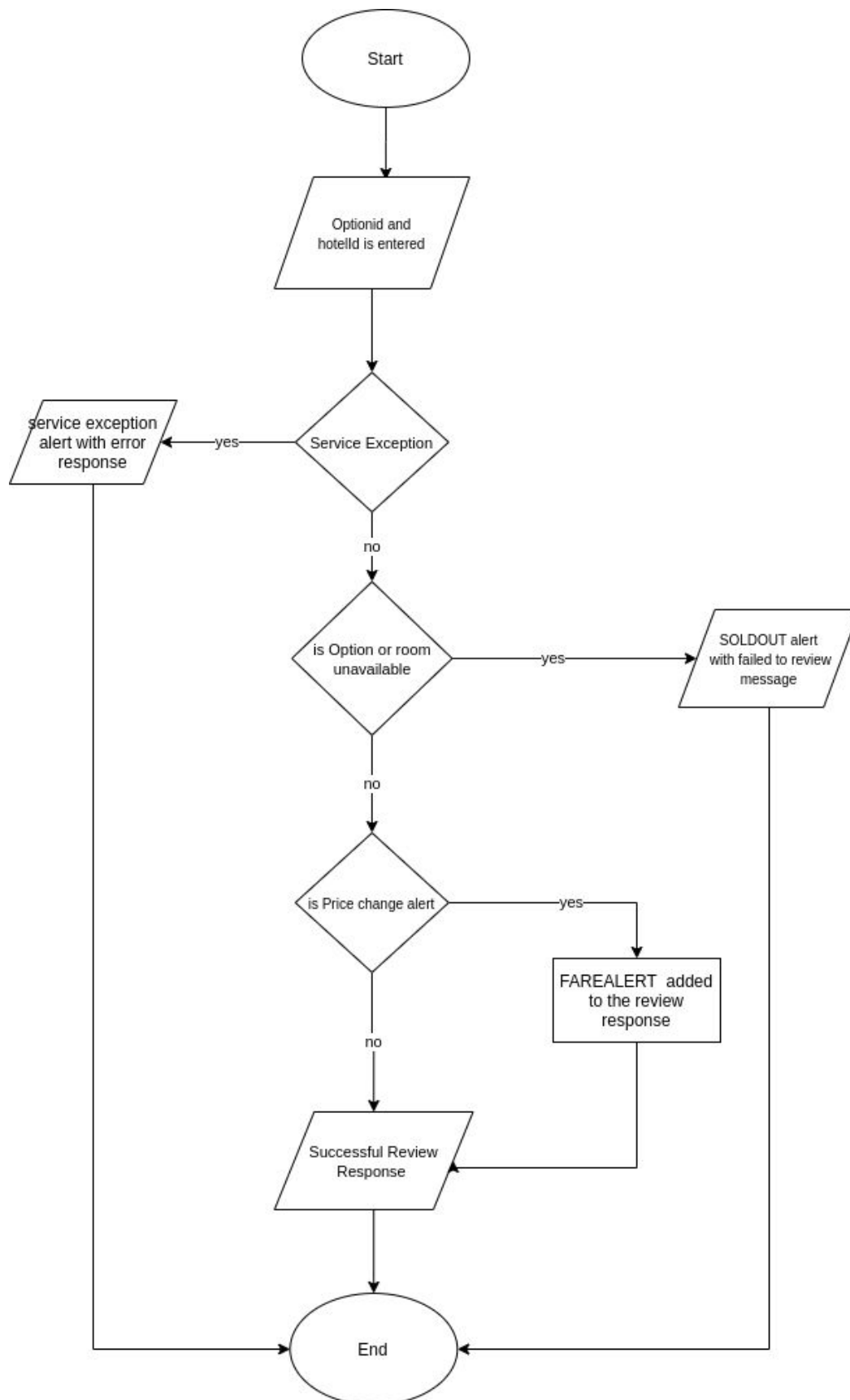
## Response

Key	Parent	Type	Description	Mandatory/Optional
<b>id</b>	root	String	Unique hotel id for the selected hotel	Mandatory
<b>cancellationPolicyList</b>	root	ArrayList	List of cancellation policies	Mandatory
<b>id</b>	cancellationPolicyList	String	Id of cancellation policy	Mandatory
<b>ifra</b>	cancellationPolicyList	Boolean	Is full refund allowed	Mandatory
<b>pd</b>	cancellationPolicyList	ArrayList	List of Penalty details applied on selected option	Mandatory
<b>fdt</b>	pd	String	Penalty starts from this date	Optional
<b>tdt</b>	pd	String	Penalty ends on this date	Mandatory
<b>am</b>	pd	double	Penalty amount	Mandatory
<b>notes</b>	cancellationPolicyList	String	Notes about cancellation policy	Mandatory

<b>mi</b>	cancellationPolicyList	Object	Miscellaneous information about cancellation policy	Mandatory
<b>iba</b>	mi	Boolean	Is booking allowed	Mandatory
<b>iso</b>	mi	Boolean	Is option sold out	Mandatory
<b>status</b>	root	Object	Status of response	Mandatory
<b>success</b>	status	Boolean	Whether the result was successful or not	Mandatory
<b>httpStatus</b>	status	Number	Standard http response code	Mandatory

## 5.5 REVIEW

This service is used to review the room details ( i.e. hotel information, room information, payment details etc )before booking the room. Review response generates a unique booking id corresponding to the particular order, which will be used to book the order.



**URL:** https://{host}/hms/v1/hotel-review

**REQUEST METHOD:** POST

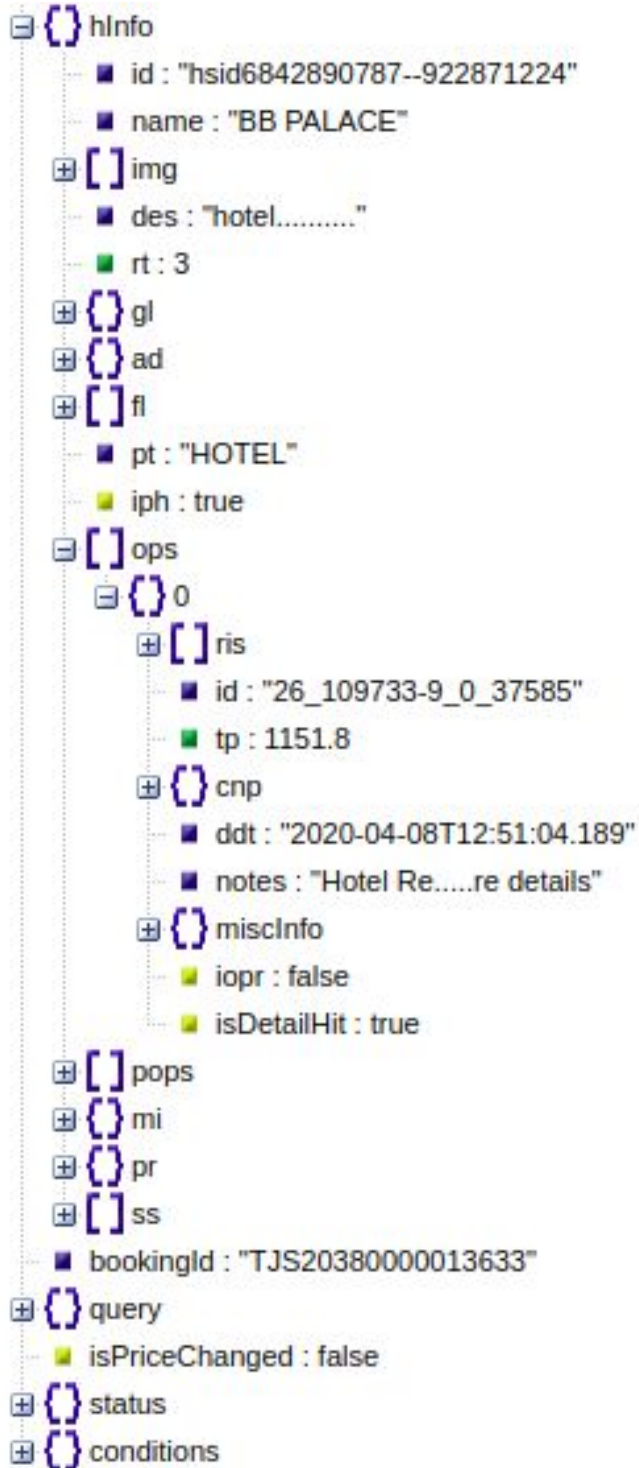
#### Sample request view

```
{
  "hotelId": "hsid4572672167-M51",
  "optionId": "2efM1QxWYOWtTKgluGmk"
}
```

#### Request Payload

Key	Parent	Type	Description	Mandatory/ Optional
hotelid	root	String	Unique hotel id from search list response	Mandatory
optionId	root	String	Unique id of the selected option from detail search response	Mandatory

#### Sample Response view







**cnp(Cancellation policy):** this field contains cancellation policy of the option selected.

- **Ifra** : if for selected option full refundable is allowed in other words if we cancel the booking in specified interval, we can get full refund. In that case ifra will be 'true' else false.
- **Notes**: it contains the notes related to the cancellation policy of the option.
- **pd(penalty details)**: it contains a list of penalty details for the selected options. Every penalty detail consists of **fdt**, **tdt** and **am**.
  - **fdt(from date)**: from date is the starting date of penalty, if fromDate is null in that case we consider the from date to be the current date of booking and we can consider the penalty will be applied from current date to the specified tdt.
  - **tdt(toDate)**: to date is the ending date of penalty.
  - **am(amount)**: total penalty amount to be paid if we cancel the booking in pd's specified time interval.

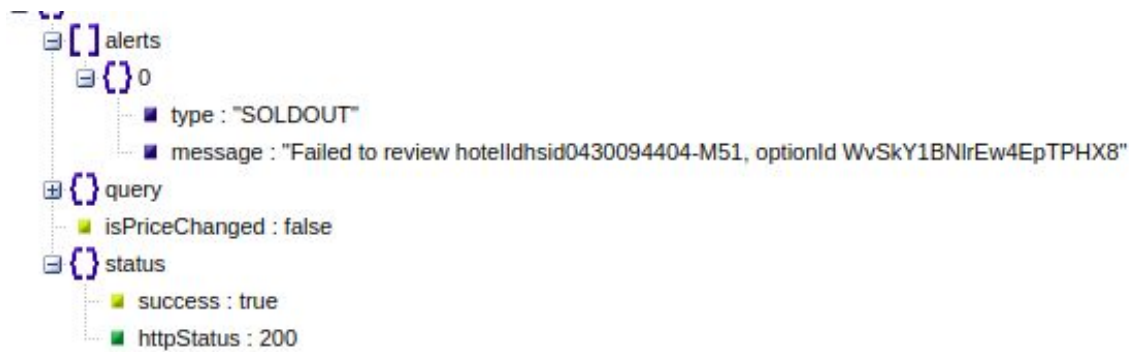
**iso:(Is sold Out)** : iso is set to be 'true' if room is sold out else it is 'false'. Here the sold out condition occurs when the option gets sold between the time of getting search details and review. In case iso is true, new option need to be selected for review.

**isBA**: if isBA is true then blocking is allowed ( its allowed to hold the booking).

There are three cases of review

### Case 1: Sold Out Alert

- If the option is no longer available in the new search it will give a SOLDOUT alert with http status code 200 and will give an error message 'failed to review hotelid'.
- If the requested room is no longer available for hotel, it will give a SOLDOUT alert with http status code 200 and error message 'failed to review hotelid'.



**Case 2: service exception** :If hotel review cannot be done because of some service exception or some unknown exception, it will send an error message with httpStatus code 400.



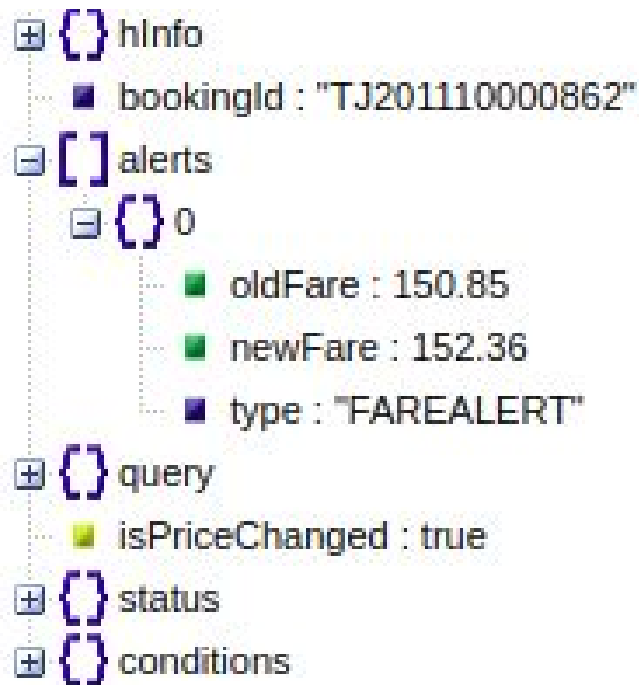
### Case 3.Price Change Alert

If the price of option during detail search and price of option during review has difference which is not equal to zero in that case price change alert gets generated., it will generate FAREALERT alert. "FAREALERT" type alert has three fields.

**oldFare:** old fare of option during detail search.

**newFare:** new updated fare in review of option

**type:** type of alert i.e. FAREALERT



## Response

Key	Parent	Type	Description	Mandatory/Optional
<b>hInfo</b>	root	Object	Information about selected hotel	Mandatory
<b>Id</b>	hInfo	String	Id of selected hotel	Mandatory
<b>name</b>	hInfo	String	Name of hotel	Mandatory
<b>img</b>	hInfo	ArrayList	List of hotel images	Mandatory
<b>tns</b>	img	String	Contains thumbnail's link	Mandatory
<b>url</b>	img	String	Contains url of hotel image	Mandatory
<b>des</b>	hInfo	String	Description of hotel	Mandatory
<b>rt</b>	hInfo	Number	Star rating of the hotel eg.1, 2, 3, 4, 5	Mandatory

<b>gl</b>	hInfo	Object	Geographic location of the hotel	Mandatory
<b>ln</b>	gl	gl	Longitude of hotel	Mandatory
<b>lt</b>	gl	gl	Latitude of hotel	Mandatory
<b>ad</b>	hInfo	Object	Address of hotel	Mandatory
<b>adr</b>	ad	String	Address line 1	Mandatory
<b>city</b>	ad	Object	City of hotel	Mandatory
<b>name</b>	city	String	City name	Mandatory
<b>country</b>	ad	Object	Country of hotel	Mandatory
<b>name</b>	country	String	Country name	Mandatory
<b>fl</b>	hInfo	String	List of facilities provided for the option	Optional
<b>pt</b>	hInfo	String	Contains property type for eg. 'APARTMENT', 'HOTEL etc'	Optional
<b>iph</b>	hInfo	Boolean	Is Preferred hotel	Optional
<b>ops</b>	hInfo	ArrayList	List of options	Mandatory
<b>ris</b>	ops	ArrayList	List of room related informations	Mandatory
<b>id</b>	ris	String	If of particular room	Mandatory
<b>rc</b>	ris	String	Room category	Mandatory
<b>rt</b>	ris	String	Room type	Mandatory
<b>adt</b>	ris	Number	Count of adults in the room	Mandatory
<b>chd</b>	ris	Number	Count of child in the room	Optional
<b>mb</b>	ris	String	Meal basis- it contains meal information available for that room	Mandatory
<b>tp</b>	ris	double	Total price of that room	Mandatory
<b><a href="#">tfcs</a></b>	ris	Object	Total fare Component	Mandatory

<b>TAF</b>	tfcs	Double	Taxes and fee	Mandatory
<b>NF</b>	tfcs	Double	Net fare	Mandatory
<b>BF</b>	tfcs	Double	Base fare	Mandatory
<b>MFT</b>	tfcs	Double	Management fee and taxes	Mandatory
<b>TF</b>	tfcs	Double	Total fare	Mandatory
<b>MF</b>	tfcs	Double	Management fee	Mandatory
<a href="#"><u>pis</u></a>	ris	ArrayList	Per night price information list	Mandatory
<b>day</b>	pis	Number	Day count for eg. day 1, day 2	Mandatory
<b>fc</b>	pis	Object	Fare component for that particular night	Mandatory
<b>TAF</b>	fc	Double	Taxes and fee	Mandatory
<b>NF</b>	fc	Double	Net fare	Mandatory
<b>BF</b>	fc	Double	Base fare	Mandatory
<b>TF</b>	fc	Double	Total fare	Mandatory
<b>afc</b>	pis	Object	Additional fare component for the particular night	Mandatory
<b>TAF</b>	afc	Double	Taxes and fee	Mandatory
<b>MFT</b>	TAF	Double	Management fee and taxes	Mandatory
<b>MU</b>	TAF	Double	Markup	Mandatory
<b>MF</b>	TAF	Double	Management fee	Mandatory
<b>fcs</b>	ris	ArrayList	List of room amenities	Mandatory
<b>checkinDate</b>	ris	String	Check-in-date, in ISO format (YYYY-MM-DD), for e.g. "2019-12-24".	Mandatory
<b>checkoutDate</b>	ris	String	Check-out-date, in ISO format (YYYY-MM-DD), for e.g. "2019-12-24".	Mandatory
<b>iopr</b>	ris	Boolean	Is option on request	Optional

<b>id</b>	ops	String	Option id	Mandatory
<b>tp</b>	ops	Double	Total price of option	Mandatory
<b>cnp</b>	ops	Object	Cancellation policy of the selected option	Mandatory
<b>id</b>	cnp	String	Id of cancellation policy	Mandatory
<b>ifra</b>	cnp	Boolean	Is full refund allowed	Optional
<b>pd</b>	cp	ArrayList	List of Penalty details applied on selected option	Mandatory
<b>fdt</b>	pd	String	Penalty starts from this date	Optional
<b>tdt</b>	pd	String	Penalty ends on this date	Mandatory
<b>am</b>	pd	Double	Penalty amount	Mandatory
<b>notes</b>	cnp	String	Notes about cancellation policy	Mandatory
<b>mi</b>	cnp	Object	Miscellaneous information about cancellation policy	Mandatory
<b>iba</b>	mi	Boolean	Is booking allowed	Mandatory
<b>iso</b>	mi	Boolean	Is option sold out	Mandatory
<b>ddt</b>	ops	String	Deadline date and time	Mandatory
<b>inst</b>	ops	ArrayList	Contains various types of instructions	Optional
<b>type</b>	inst	String	Type of note, ex : booking note	Mandatory
<b>msg</b>	inst	String	Text for the note	Mandatory
<b>iopr</b>	ops	Boolean	Is option on request	Optional
<b>isDetailHit</b>	ops	Boolean	Is detail hit	Mandatory
<b>pops</b>	hInfo	ArrayList	Contains option level facilities and price information	Mandatory
<b>fc</b>	pops	ArrayList	List of option facilities	Optional
<b>pc</b>	pops	Double	Option price	Mandatory
<b>mi</b>	hInfo	Object	Hotel miscellaneous information	Mandatory

<b>set</b>	mi	String	Search key expiry time	Mandatory
<b>inst</b>	hInfo	ArrayList	Contains various types of instructions	Optional
<b>type</b>	inst	String	Type of note, ex : booking note	Mandatory
<b>msg</b>	inst	String	Text for the note	Mandatory
<b>bookingId</b>	root	String	The id generated by the system for a particular order e.g."TGS2000097654"	Mandatory
<b>alerts</b>	root	ArrayList	It contains a list of alerts generated for e.g 'FAREALERT' when the price of option gets changed while being reviewed	Optional
<b>query</b>	root	Object	Contains information related to hotel search requests.	Mandatory
<b>checkinDate</b>	query	String	Check-in-date, in ISO format (YYYY-MM-DD), for e.g. "2019-12-24".	Mandatory
<b>checkoutDate</b>	query	String	Check-out-date, in ISO format (YYYY-MM-DD), for e.g. "2019-12-24".	Mandatory
<b>roomInfo</b>	query	ArrayList	Contains Room specific hotel information.	Mandatory
<b>numberOfAdults</b>	roomInfo	Number	Contains the count of adults present. For e.g. 2,3,4	Mandatory
<b>numberOfChild</b>	roomInfo	Number	Contains the count of children present. Range can be 0-12.	Optional
<b>searchCriteria</b>	query	Object	Contains more concrete information to search for a hotel.	Optional
<b>city</b>	searchCriteria	String	Contains the city to search for. For e.g. "Delhi", "Mumbai" etc.	Mandatory
<b>countryName</b>	searchCriteria	String	Contains country name corresponding to the city provided. For e.g. "India"	Mandatory
<b>cityName</b>	searchCriteria	String	City name to search for	Mandatory
<b>nationality</b>	searchCriteria	String	Contains nationality	Mandatory
<b>searchPreferences</b>	query	Object	Contains search preferences	Mandatory
<b>ratings</b>	searchPreferences	ArrayList	The rating assigned to this property. Default value is	Optional

			[1,2,3,4,5]	
<b>currency</b>	searchPreferences	String	Contains currency in which you want to get the price details.	Mandatory
<b>fsc</b>	searchPreferences	Boolean	Fetch Special Category. Default value is false.	Optional
<b>searchid</b>	query	String	Search id which get generated as a response of searchQuery-list	Mandatory
<b>sourceld</b>	query	Number	Source id of supplier	Mandatory
<b>isSearchCompleted</b>	query	Boolean	Is search completed	Mandatory
<b>isPriceChanged</b>	root	Boolean	Is price changed between getting search response and reviewing the hotel	Mandatory
<b>status</b>	root	Object	Status of response returned	Mandatory
<b>success</b>	status	Boolean	Whether the result was successful or not	Mandatory
<b>httpStatus</b>	status	Number	Standard http response code	Mandatory
<b>conditions</b>	root	Object	Conditions of the order	Mandatory
<b>isBA</b>	conditions	Boolean	Is Blocking Allowed	Mandatory
<b>st</b>	conditions	Number	Session time in second	Mandatory

## 5.6 BOOKING API

This service is used to book rooms of a hotel. This is a mandatory service to complete the reservation process . Before calling this service, the consumer has to call CheckAvailability service.

### PATH

POST	/oms/v1/hotel/book
------	--------------------



## a.Instant Booking

This method is used to book the selected rooms instantly by passing Payment Information, Traveller Information and Contact Details & if any, GST information can also be passed.

### Sample Request

```
{
  "bookingId": "TJQ203230001302",
  "roomTravellerInfo": [
    {
      "travellerInfo": [
        {
          "fN": "Arvind",
          "IN": "Gupta",
          "pan": "DTOPK8037BD",
          "pNum": "Passport Number",
          "ti": "Mr",
          "pt": "ADULT"
        }
      ]
    }, {
      "travellerInfo": [
        {
          "fN": "Neena",
          "IN": "Gupta",
          "pan": "BBTPDPSPSP",
          "ti": "Mrs",
          "pt": "ADULT"
        }, {
          "fN": "Riya",
          "IN": "Gupta",
          "ti": "Master",
          "pt": "CHILD"
        }
      ]
    }
  ],
  "deliveryInfo": {
    "emails": [
```

```

    "arvind@gmail.com"
  ],
  "contacts": [
    "1234567890"
  ],
  "code": [
    "+91"
  ]
},
"paymentInfos": [
  {
    "amount": 19.80
  }
]
}

```

Key	Parent	Type	Description	Mandatory/ Optional
<b>bookingId</b>	root	String	Booking id which gets generated during review	Mandatory
<b>roomTravellerInfo</b>	root	Object	List of room wise travellerInfo	Mandatory
<b>travellerInfo</b>	roomTravellerInfo	Object	List of traveller information in each room	Mandatory
<b>fN</b>	travellerInfo	String	First name of the traveller	Mandatory
<b>lN</b>	travellerInfo	String	Last name of the traveller	Mandatory
<b>pan</b>	travellerInfo	String	Pan number of the traveller	Optional
<b>pNum</b>	travellerInfo	String	Passport Number of the traveller	Mandatory in case of international booking
<b>ti</b>	travellerInfo	String	Title Name - It can be Mr, Mrs, Ms in case of adults & Master in case of child	Mandatory

<b>pt</b>	travellerInfo	String	Pax Type - eg. "ADULT", "CHILD"	Mandatory
<b>deliveryInfo</b>	root	Object	Contact Informations of booking user	Mandatory
<b>emails</b>	deliveryInfo	List	List of email id	Mandatory
<b>contacts</b>	deliveryInfo	List	List of Phone number	Mandatory
<b>code</b>	deliveryInfo	List	List of country mobile std code eg. "+91" for india	Mandatory
<b>paymentInfos</b>	root	List	Details about Payment	Mandatory
<b>amount</b>	paymentInfos	Double	Payment Amount	Mandatory

### Sample Response

**a) Status -> success : true -**

Status as **success: true** means that payment is processed successfully & now the process of posting booking on supplier has begun . In order to know the status of booking on supplier & to fetch complete order details use **RetrieveBooking API**.

```
{
  "bookingId": "TJQ203230001302",
  "status": {
    "success": true,
    "httpStatus": 200
  }
}
```

**b) Status -> : success : false**

Status as **success:false** means that payment is **not** processed successfully. For more details refer to [Error Codes](#)

```
{
  "status": {
    "success": false,
    "httpStatus": 403
  }
}
```

```

    },
    "errors": [
      {
        "errCode": "408",
        "message": "Access Denied"
      }
    ]
  }
}

```

Key	Parent	Type	Description	Mandatory/ Optional
<b>bookingId</b>	root	String	Booking id which is generated during the review process.	Mandatory
<b>status</b>	root	Object	Status of the API call	Mandatory

\*Error Codes [Error Codes](#)

\*Flow Diagram [Instant & Hold Booking](#)

## b.Hold Booking

**DeadlineDateTime** is the time period till which a booking can be cancelled with 0 cancellation charges. If a booking is fully refundable as per cancellation policy, then we have the functionality to hold that booking till **DeadlineDateTime** without any payment . It needs to be confirmed till **DeadlineDateTime** by completing payment , else it will be cancelled automatically without any charges . Once confirmed booking goes into **Success** status .

\*Refer to **Cancellation Policy API** to know about criteria for **Fully Refundable Bookings**.

### Sample Request

Only difference is , there is no need to send **payment Info** object in this case .

```

{
  "bookingId": "TJQ203230001302",
  "roomTravellerInfo": [
    {
      "travellerInfo": [

```

```

    {
      "fN": "Arvind",
      "IN": "Gupta",
      "pan": "DTOPK8037BD",
      "ti": "Mr",
      "pt": "ADULT"
    }
  ]
}, {
  "travellerInfo": [
    {
      "fN": "Neena",
      "IN": "Gupta",
      "pan": "BBTPDPSPSP",
      "ti": "Mrs",
      "pt": "ADULT"
    }, {
      "fN": "Riya",
      "IN": "Gupta",
      "ti": "Master",
      "pt": "CHILD"
    }
  ]
}
],
"deliveryInfo": {
  "emails": [
    "arvind@gmail.com"
  ],
  "contacts": [
    "1234567890"
  ],
  "code": [
    "+91"
  ]
}
}

```

### Sample Response

a) **Status -> success : true**

Status as **success:true** means that the process of posting booking on supplier has begun . In order to know the status of booking on supplier & to fetch complete order details use **RetrieveBooking API**.

```
{
  "bookingId": "TJQ203230001302",
  "status": {
    "success": true,
    "httpStatus": 200
  }
}
```

b) **Status -> : success : false**

[Refer to Error Codes](#)

\*Error Codes [Error Codes](#)

\*Flow Diagram [Instant & Hold Booking](#)

### **c. Confirm Hold Booking**

This method is used to confirm bookings in **ON\_HOLD** status by completing the payment process before **DeadlineDatetime** . If not confirmed till **DeadlineDateTime** , then it will be automatically cancelled.

**Sample Request :**

```
{
  "bookingId": "TJQ203230001302",
  "paymentInfos": [
    {
      "amount": 1561.7
    }
  ]
}
```

**Sample Response :****a) Status -> success:true**

Status as success means that payment is processed successfully & now your booking is confirmed(**SUCCESS**).

```
{
  "bookingId": "TJQ203230001302",
  "status": {
    "success": true,
    "httpStatus": 200
  }
}
```

**b) Status -> success:false**

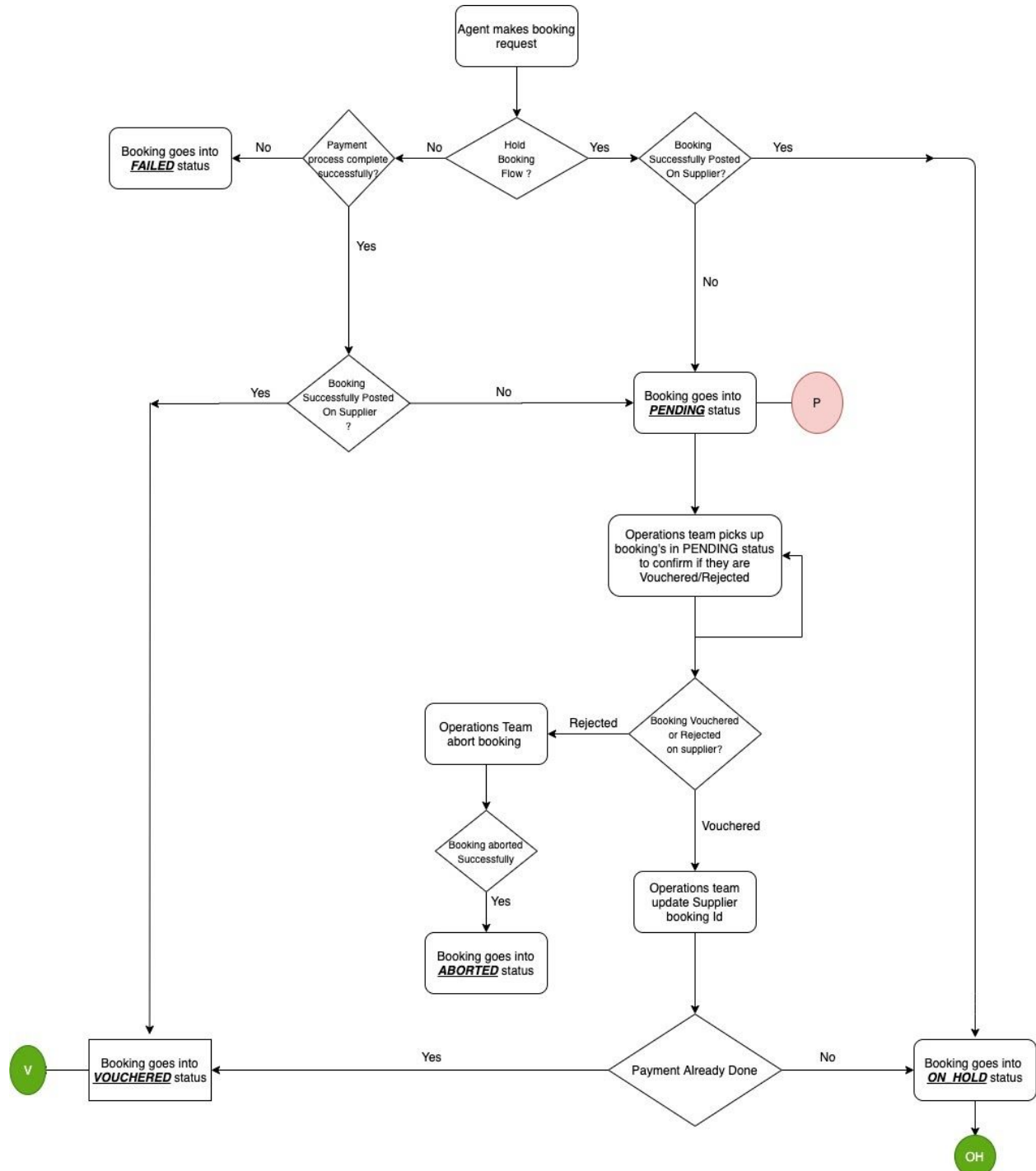
Refer [Error Codes](#)

\*Error Codes [Error Codes](#)

\*Flow Diagram [Confirm Booking](#)

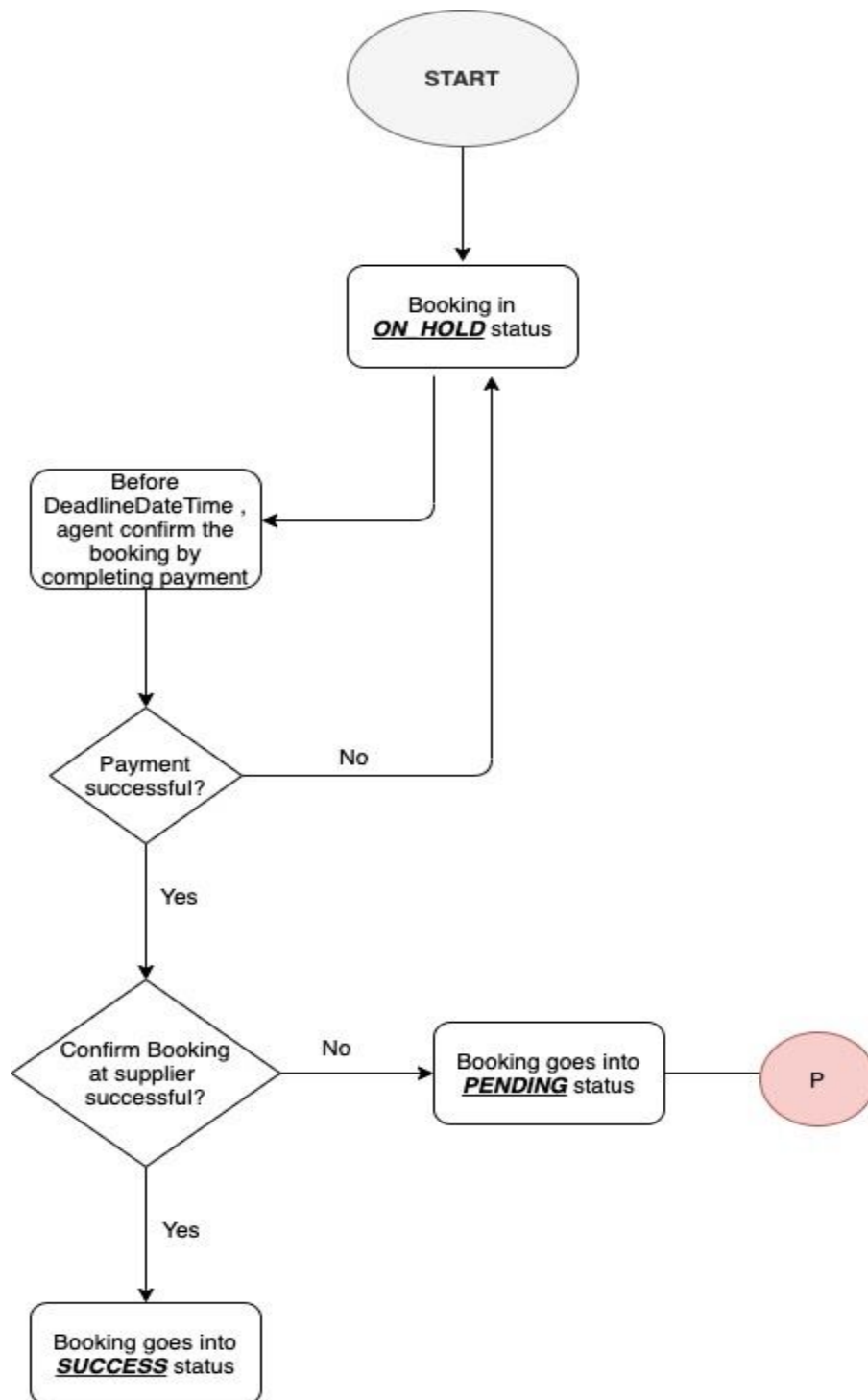
## Flow Diagrams

### Instant & Hold Booking





## Confirm Booking



## Error Codes

<u>Code</u>	<u>Description</u>
<b>2001</b>	Insufficient Balance
<b>2502</b>	If the “ <b>cdb</b> ” key is true in the booking request & similar booking already exists.

## Booking Statuses

## 5.7 BOOKING DETAILS

This method is used to get the order details .

**URL:** https://{host}/oms/v1/hotel/booking-details

**REQUEST METHOD:** POST

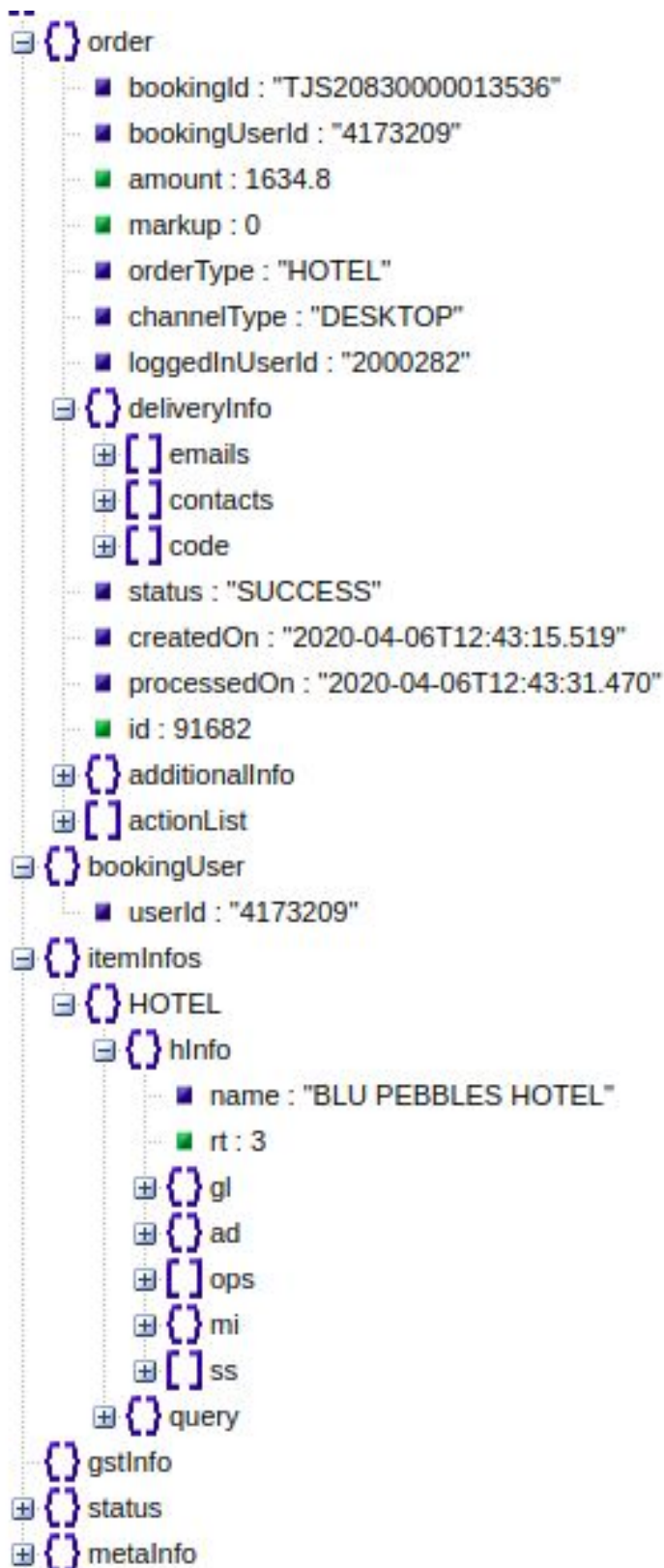
**Sample Request View :**

```
{
  "bookingId":"TJ203720000801"
}
```

**Request Payload**

Key	Parent	Type	Description	Mandatory/ Optional
bookingId	root	String	Booking id which is generated during the review process.	Mandatory

**Sample Response View :**



**Response**

Key	Parent	Type	Description	Mandatory/ Optional
<b>order</b>	root	object	Order details	Mandatory
<b>bookingId</b>	order	string	Booking id generated at review	mandatory
<b>bookingUserId</b>	order	string	Id of the user who is doing booking	mandatory
<b>amount</b>	order	double	Order amount	mandatory
<b>markup</b>	order	double	Total markup on the order	mandatory
<b>orderType</b>	order	string	It will be equal to "HOTEL" always	mandatory
<b>channelType</b>	order	string	The value can be MOBILE, DESKTOP, ANDROID, IPHONE or API depending upon the mode used for booking	mandatory
<b>loggedInUserId</b>	order	string	Id of logged in user	mandatory
<b>deliveryInfo</b>	order	object	Contact information	mandatory
<b>emails</b>	deliveryInfo	arrayList	List of emails	mandatory
<b>contacts</b>	deliveryInfo	arrayList	List of contact numbers for eg: 8875656756	mandatory
<b>code</b>	deliveryInfo	arrayList	List of country mobile std. Eg. '+91' for india	mandatory
<b>status</b>	order	string	Status of order	mandatory

			for eg. SUCCESS, ON_HOLD, CANCELLED	
<b>createdOn</b>	order	string	Date of creation of order	mandatory
<b>processedOn</b>	order	string	Date when order was processed	mandatory
<b>id</b>	order	integer	Id of order	mandatory
<b>additionalInfo</b>	order	object	Additional information of order	optional
<b>ft</b>	additionalInfo	string	Order flow type eg. ONLINE, MANUAL_ORDER,	mandatory
<b>ps</b>	additionalInfo	string	Payment status It can be SUCCESS, FAILURE, PENDING etc	mandatory
<b>actionList</b>	order	arrayList	List of actions on the order	mandatory
<b>bookingUser</b>	root	object	The user who did booking	mandatory
<b>userId</b>	bookingUser	string	User id of booking user	mandatory
<b>itemInfos</b>	root	map	Item information, one room in a booking correspond to one item	mandatory
<b>HOTEL</b>	itemInfos	object	Key of itemInfos map	mandatory
<b>hInfo</b>	HOTEL	object	Information of the hotel	mandatory

<b>name</b>	hInfo	string	Name of hotel	mandatory
<b>rt</b>	hInfo	integer	Hotel rating	mandatory
<b>gl</b>	hInfo	object	Hotel geographical location	optional
<b>ln</b>	gl	string	Hotel longitude	optional
<b>lt</b>	gl	string	Hotel latitude	optional
<b>ad</b>	hInfo	object	Address of hotel	mandatory
<b>adr</b>	ad	string	Hotel address line 1	mandatory
<b>city</b>	ad	object	City of hotel	mandatory
<b>name</b>	city	string	Name of city	mandatory
<b>country</b>	ad	object	Country of hotel	mandatory
<b>name</b>	country	string	Country name	mandatory
<b>ops</b>	hInfo	arrayList	List of hotel Options	mandatory
<b>ris</b>	ops	arrayList	List of room informations in that options	mandatory
<b>id</b>	ris	string	Room id	mandatory
<b>rc</b>	ris	string	Room category	mandatory
<b>rt</b>	ris	string	Room type	mandatory
<b>adt</b>	ris	integer	Number of adult in the room	mandatory
<b>chd</b>	ris	integer	Number of child in the room	optional
<b>mb</b>	ris	string	Meal basis of room	mandatory
<b>tp</b>	ris	double	Total price of room	mandatory

<b>tfcs</b>	ris	object	Total fare component	mandatory
<b>BF</b>	tfcs	double	Base fare	mandatory
<b>NF</b>	tfcs	double	Net fare	mandatory
<b>TF</b>	tfcs	double	Total fare	mandatory
<b>TAF</b>	tfcs	double	Taxes and fee	mandatory
<b>tafcs</b>	ris	object	Total additional fare component	mandatory
<b>TAF</b>	tafcs	double	Taxes and fee	mandatory
<b>MF</b>	TAF	double	Management fee	mandatory
<b>MFT</b>	TAF	double	Management fee taxes	mandatory
<b>IGST</b>	TAF	double		optional
<b>ddt</b>	ris	string	Deadline date time	mandatory
<b>pis</b>	ris	arrayList	Per night price information	mandatory
<b>day</b>	pis	integer	Day number for example day 1, day 2	mandatory
<b>fc</b>	pis	object	Fare component	mandatory
<b>BF</b>	fc	double	Base fare	mandatory
<b>NF</b>	fc	double	Net fare	mandatory
<b>TF</b>	fc	double	Total fare	mandatory
<b>TAF</b>	fc	double	Taxes and fee	mandatory
<b>afc</b>	pis	object	Additional fare component	mandatory
<b>TAF</b>	afc	object	Taxes and fee	mandatory
<b>MF</b>	TAF	double	Management fee	mandatory



<b>MFT</b>	TAF	double	Management fee tax	mandatory
<b>IGST</b>	TAF	double		optional
<b>checkINDate</b>	ris	string	Date of check in	mandatory
<b>checkOutDate</b>	ris	string	Date of check out	mandatory
<b>ti</b>	ris	arrayList	List of Traveller info	mandatory
<b>ti</b>	ti	string	Title for eg. Mr, Mrs	mandatory
<b>pt</b>	ti	string	Pax type for example Adult, child	mandatory
<b>fN</b>	ti	string	First name	mandatory
<b>IN</b>	ti	string	Last name	mandatory
<b>iopr</b>	ris	boolean	Is option on request	optional
<b>tp</b>	ops	double	Total price of room	mandatory
<b>cnp</b>	ops	object	Cancellation policy	mandatory
<b>id</b>	cnp	string	Id of cancelation policy	mandatory
<b>ifra</b>	cnp	boolean	Is full refundable allowed	optional
<b>pd</b>	cnp	arrayList	List of penalty details	mandatory
<b>fdt</b>	pd	string	start date of penalty	mandatory
<b>tdt</b>	pd	string	end date of penalty	optional
<b>am</b>	pd	integer	Penalty amount	mandatory

<b>notes</b>	cnp	string	Cancellation policy notes	mandatory
<b>mi</b>	cnp	object	Miscellaneous cancellation information	optional
<b>iba</b>	mi	boolean	Is booking allowed	mandatory
<b>iso</b>	mi	boolean	Is sold out	mandatory
<b>ddt</b>	ops	string	Deadline date	mandatory
<b>inst</b>	ops	arrayList	Instructions	optional
<b>miscInfo</b>	ops	object	Option miscellaneous information	mandatory
<b>sid</b>	miscInfo	string	Supplier id	mandatory
<b>imu</b>	miscInfo	boolean	Is markup updated	optional
<b>iopr</b>	ops	boolean	Is option on request	optional
<b>isDetailHit</b>	ops	boolean	Is it a detail hit	mandatory
<b>mi</b>	hInfo	object	Hotel miscellaneous information	mandatory
<b>hbr</b>	mi	string	Hotel confirmation number	optional
<b>query</b>	HOTEL	object	HOTEL i.e ( key of iteminfos map)	mandatory
<b>checkinDate</b>	query	String	Check in date	mandatory
<b>checkoutDate</b>	query	String	Checkout date	mandatory
<b>roomInfo</b>	query	ArrayList	List of room information	mandatory

<b>numberOfAdults</b>	roomInfo	integer	Number of adult in particular room	mandatory
<b>numberOfChild</b>	roomInfo	integer	Number of child in particular room	mandatory
<b>isSearchCompleted</b>	query	boolean	Is search completed	mandatory
<b>gstInfo</b>	root	object	Gst information	optional
<b>status</b>	root	object	Status of response	mandatory
<b>success</b>	status	boolean	Is success	mandatory
<b>httpStatus</b>	status	integer	Http status code of response	mandatory
<b>metaInfo</b>	root	map	Map containing meta data	mandatory
<b>Users</b>	metaInfo	object	Key of metaInfo	mandatory
<b>“userId”</b>	Users	string	User id of user who did booking	mandatory
<b>name</b>	“userId”	string	Name of the user	mandatory
<b>role</b>	“userId”	string	Role of user eg. Agent	mandatory
<b>additionalInfo</b>	“userId”	object	Additional information of user	optional
<b>totalBalance</b>	“userId”	double	Total balance of user	mandatory

## 5.8 Booking Cancellation

This service is used to cancel the booking. We need to pass the bookingId (generated during review response) with the URL.

**URL:** `https://{host}}/oms/v1/hotel/cancel-booking{bookingId}`

**REQUEST METHOD:** POST

**Case 1:** if booking gets successfully cancelled the following response is generated.

```
{
  "status": {
    "success": true,
    "httpStatus": 200
  }
}
```

**Case 2:** if the booking cancellation gets failed we get the following response.

```
{
  "status": {
    "success": false,
    "httpStatus": 400
  },
  "errors": {
    "0": {
      "errCode": "2531",
      "message": "Order Cancellation Failed. Please coordinate with support team.",
      "details": "Order Cancellation Failed. Please coordinate with support team."
    }
  }
}
```

After Booking gets successfully cancelled, it is advised to hit hotel booking detail api and check the status of booking ( It should be **Cancelled**), if it's state is **Cancellation Pending** , then please contact our support team.

## 5.9 Static Data

### City Static Data:

This API is used to fetch City static data . This is our city master data so you need to map your cities with our city data .

E.g. You have Pune city in your system with id 456. In our system it's id is 12345. In search request for hotels in Pune you need to send us only it's id i.e. 12345 . So either you keep our city data as your master data or you need to map cities in your system with cities in our system .

### PATH

GET	/hms/v1/static-cities/next
-----	----------------------------

You need to fetch whole city static data in multiple API calls . In each you will only get 1000 city info objects. In the first call there is no need to send param “next” in the url. In each response you will receive one key “next” which you need to send in next request.

\*Instead of 1000 city objects in 1 call , below mentioned example demonstrates working of API with just 1 city object in response.

#### a) **First Request :**

**Sample Request :** GET : /hms/v1/static-cities/

**Sample Response :**

```
{
  "response": {
    "cil": [
      {
        "id": 466438,
        "cityName": "Madinah",
        "countryName": "Saudi Arabia"
      }
    ],
    "next": "MSA0NjY0Mzg="
```

```

    },
    "status": {
      "success": true,
      "httpStatus": 200
    }
  }
}

```

b) Next Request :

**Sample Request** : GET : /hms/v1/static-cities/**MSA0NjY0Mzg=**

**Sample Response** :

```

{
  "response": {
    "cil": [
      {
        "id": 466439,
        "cityName": "Makkah",
        "countryName": "Saudi Arabia"
      }
    ],
    "next": "PSSDSY0Mzg="
  },
  "status": {
    "success": true,
    "httpStatus": 200
  }
}

```

Key	Parent	Type	Description	Optional/Mandatory
<b>response</b>	root	Object	Parent Object	Mandatory
<b>cil</b>	response	List	List of fetched city objects.	Mandatory
<b>id</b>	cil	String	This is the cityId which you need to send to us in all search requests.	Mandatory
<b>cityName</b>	cil	String	Name of city	Mandatory

<b>countryName</b>	city	String	Name of country	Mandatory
<b>next</b>	response	String	<p>You need to send this string in the next request.</p> <ul style="list-style-type: none"> <li>If this key is not present &amp; success is true then that means this is the last request &amp; all cities have been fetched.</li> </ul>	Optional

## 6. Tax Codes and Descriptions

These are below Hotel Fare Component Codes.

Key	Description
TF	Total Fare
BF	Base Fare
TAF	Taxes And Fee
NF	Net Fare
OT	Other
GST	GST
MF	Management Fee
MFT	Management Fee Taxes
PRF	Property Fee
MU	Mark Up
MNT	Mandatory Tax
MNF	Mandatory Fee
PF	Payment Fee
ST	Sales Tax
RF	Resort Fee
DS	Discount
CMU	Client Mark Up
GDSF	GDS Fees
TSF	Tax And Service Fee



CGST	CGST
SGST	SGST
IGST	IGST

## 7. Error Codes and Messages

Error Code	Message
400	Bad Request
404	Resource Not Found
407	You are not allowed to do search with given parameters. Please change your search criteria
408	Access Denied
411	You don't have enough permission to perform this action
412	Unauthorized Access!, The provided API key is invalid.
802	Your account is currently inactive
805	Gst number (GSTIN) should be 15 characters only and valid GST
806	Invalid Email or Mobile
810	There is something went wrong with backend service. It could be due to invalid/bad data.
816	Duplicate request.
819	Invalid Address
6001	Requested Room is no longer available. Please try different option
6002	Invalid hotel search type
6003	Requested hotel is no longer available. Please try different option
6004	Invalid quotation id
6005	"Hotel checkin date can't be prior to today
6006	Hotel checkout date can't be prior to today
6007	Child age list is not equal to number of child mentioned
6008	Invalid checkin date

6009	Invalid checkout date
6010	Either country, city or location should be present
6011	Invalid hotel nationality"
6012	Invalid hotel currency
6013	Invalid hotel search criteria
6014	Hotel rating(s) should be in between 1-5
6015	Invalid hotel preferences
6016	No. of adults should be greater than 0
6017	Invalid hotel id
6018	Invalid option id
6019	Checkout date can't be prior to checkin date
6020	Invalid hotel traveller list
6021	Invalid hotel traveller info
6022	Requested Option is no longer available , please select another
6023	Invalid source id for supplier
6024	Invalid supplier name
6025	Invalid supplier username
6026	Invalid supplier password
6027	Invalid supplier URL
6028	Invalid or empty rule type for hotel configurator info
6029	End date can't be prior to start date
6030	Star rating must be in between 1 and 5
6031	Order Not In SUCCESS Or ON_HOLD
6032	Maximum 20 ids allowed per request

6033	Order Can't Be Cancelled
6034	Change The Search Criteria & Search Again
6035	Maximum 5 rooms are allowed
6036	Room info can't be empty
6037	Supplier meal basis can't be empty
6038	Frontend meal basis can't be empty
6039	You are not allowed to perform this action
6040	Search Result is Empty
6041	Authentication Failed
6042	Related User id can't be empty
6043	Partion size exceeded from the provided limit

## 8. UAT Certification (Test Case)

API Partner needs to go through a certification process in order to get live access. Here we are mentioning the certification process which is Mandatory to be completed when the client is done with the API Integration.

Test Case Id	Search City	Adult Count	Child Count	Room Count	Description
1	Domestic	1	0	1	Auto Cancellation of booking in ON HOLD status( i.e. unconfirmed case)
2	Domestic	4	2	1	Instant booking
3	Domestic	2, 3, 2 respectively	2, 1, 1 respectively	3	Hold Booking then confirm Booking

4	Domestic	1, 2, 1, 1, 1 respectively	2, 1, 1, 0, 0 respectively	5	Create a booking within cancellation deadline and cancel it
5	International	4	2	1	Create a booking outside cancellation deadline and cancel it
6	International	2, 3, 2 respectively	2, 1, 1	3	Cancel booking in On HOLD status(i.e. Without confirming it)
7	International	1, 2, 1, 1, 1 respectively	2, 1, 1, 0, 0 respectively	5	Instant Booking
8	International	3, 3 respectively	0, 0 respectively	2	Instant Booking
9	Verify that cancellation rules and policies are displayed on your application				
10	Cancel booking of test case id-2, 3, 7, 8				

## Note:

1. Please provide Request & response for all methods that you are implementing.
2. Certification request by API Partner (API Partner makes a certification request by providing JSON Request/ Response along with confirmation numbers for the test cases)
3. Test Cases Verification - will verify the test cases using JSON Request/ Response and suggest, if there is any change required. The turnaround time for the test case verification is around 1-4 working days.
4. Sign off and Live access - On successful completion of all the above steps, Tripjack.com will give sign off and provide Live access details to the client. It is strongly recommended that the API Partner also completes their UAT before making the services live at their end.

## **Going Live Steps :**

### **1. Certification Process**

- Clients must provide all the test cases mentioned in the document.
- Logs should be in json format.
- Clients should not send their logs.
- No modification in logs should be there.
- API Key also needs to be attached along with the logs.
- There should be different files for each request and response.
- Traveller Name should be proper. (TBA, Test cannot be passed for certification)

### **2. Post Certification**

- Point your Integration to the Production environment endpoints (Urls mentioned in document) and apikey.
- It is important for you to provide the current IP address ranges to whitelist at our end.