

GRNconnect Hub API

V3 API Documentation 1.1



GRNconnect.com
Global Reservations Network

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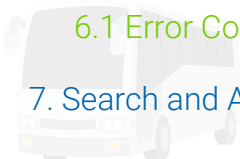
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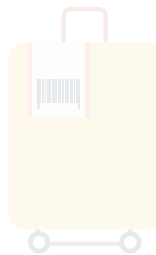


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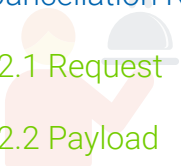
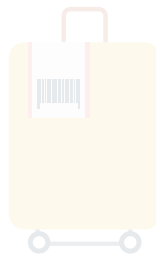
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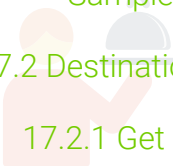
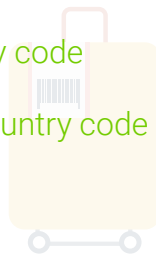
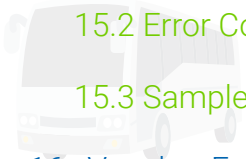
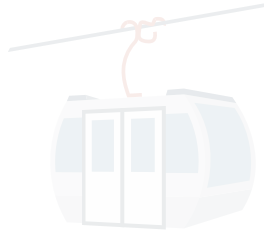
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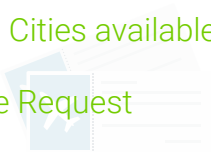
Sample Response



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Sample Response



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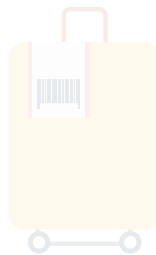
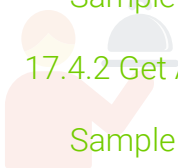
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Sample Request

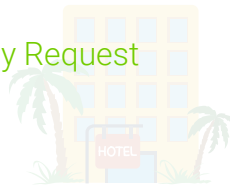
Sample Response



17.6.2 Get Hotels for the Destination Request

Sample Request

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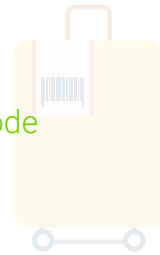
Sample Response



17.6.4 Get Hotels for the Airport Request

Sample Request

Sample Response



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1. Introduction

The pace at which technology is moving is truly amazing. It is no exaggeration to say that there is no business that has not been redefined by advances in technology over the last few decades. Travel business is no exception to this trend!

We, at GRNconnect, have been keenly following developments in travel technology and the wider space of highly-networked and massively concurrent applications. We are always eager to adopt scalable and resilient technology stacks, to better serve our API consumers and agencies.

This new release of GRNconnect's API is a complete redesign of the existing API, among other new developments. It is characterised by an intuitive RESTful interface, pervasive use of lean JSON formats for data exchange, and highly utilitarian request structures. The new architecture features lower peak latency in responses, enabling smooth user experiences.

Our endeavour at GRNconnect is to provide a solid API backbone for your travel needs. We are here to help you in integrating your applications with GRNconnect's new API. We appreciate your feedback towards improving the capability and the usability of the API.

We had great fun designing and implementing this new API. We invite you to join our growing group of international users!

- GRNconnect Development Team

2. Language and Format

The keywords "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in RFC 2119. This applies only when the said keywords appear in all-uppercase outside any quoted context.

All field names, property names and other standards-specified key names (keywords) used in this document are case-sensitive, unless overridden explicitly.

All references to "JSON" MUST comply with the specification in RFC 7159.

3. Hypertext Transfer Protocol (HTTP)

HTTP is the application layer protocol that MUST be used for requests and responses. Accordingly, unless overridden explicitly hereunder, the rules governing the semantics of HTTP requests and responses apply from RFCs 7230-7237.

In particular, GRNconnect server ensures that the method GET is safe (i.e. its semantics are read-only) in the sense of RFC 7231. In addition to that safe method, DELETE and PUT are idempotent (i.e. multiple invocations have the same effect as that of the first such).

4. Content Negotiation

All clients connecting to GRNconnect's API server MUST provide all request payloads in JSON formats as defined by the standard APIs described in this document.

GRNconnect server's support for reactive negotiation of content is OPTIONAL, and is not specified hereunder. Consequently, a compliant client SHOULD NOT expect the server to support reactive content negotiation.

5. HTTP Content Type Negotiation

All text data in requests sent to GRNconnect servers MUST be in **UTF-8** encoding, unless explicitly indicated otherwise.

Clients MUST send all API requests with the header **Content-Type: application/json**. There MUST NOT be any media type parameters.

Header Key	Value
Content-Type	application/json
Accept	application/json

Clients MUST specify the same media type for **Accept** header as well. There MUST NOT be any media type parameters.

If a response from the server contains any media type parameters, clients MUST ignore them.

5.1 Error Codes

HTTP Status Code	Error Code	Description
400	1104	Malformed syntax in request body
406	1105	Response content type is not acceptable according to the request accept headers
415	1103	Unsupported media type

6. API Authentication

GRNconnect API consumers MUST have a sandbox account approved by GRNconnect to access the API. Once you have an account in the sandbox, you SHOULD use the API Key provided in the account to access the API, by passing the key in the header for every request as follows.

Header Key	Value
api-key	C9C43593E47D6EBAAE731B6957EA1DDF

6.1 Error Codes

HTTP Status Code	Error Code	Description
401	1101	API key is not provided in the request
401	1102	Invalid API key

7. Search and Availability Request

7.1 Request

Method	Endpoint
POST	api/v3/hotels/availability

7.2 Payload

Attribute	Type	Required	Description
destination_code	string	REQUIRED if hotel_codes is not specified	City, State(area or destination) or Airport(IATA) code from the provided master data
hotel_codes	array	REQUIRED if destination _code is not specified	List of GRN hotel codes. When hotel codes are given, destination, category and hotel name are not required and ignored. Max no. of hotel codes allowed is 3000
checkin	date	REQUIRED	Format: ISO8601 (yyyy-mm-dd) Date of Check-in
checkout	date	REQUIRED	Format: ISO8601 (yyyy-mm-dd) Date of Check-out
client_nationality	string	REQUIRED	Nationality of the guest Format: Two-letter ISO Country code
hotel_name	string	OPTIONAL	Prefix of any word in the name of the hotel
hotel_category	array	OPTIONAL	The category (star rating) of the hotel. An array with minimum and maximum values. Minimum allowed value is 2. Maximum allowed value is 7. When [a,b] is given, the array is closed, i.e. it includes a and b. E.g. 1: [2,5] will fetch hotels with categories between 2 and 5. This will be inclusive of 2 and 5. E.g. 2: [3] will fetch only 3 star hotels.
currency	string	OPTIONAL	Preferred currency for the prices in the results. Default is the agent's base currency. Format: Three letter ISO Currency code. In case a supplier supports the requested currency, answered prices from that supplier will be in the requested currency.
rooms	array	REQUIRED	An array of 'room' elements. 'room' element is described later in the document.

rates	string	OPTIONAL	<ul style="list-style-type: none"> ● Allowed values: “comprehensive” or “concise” ● Default is “concise”. ● Concise will return only the rate with lowest price for all qualifying hotels. ● Comprehensive will return a full set of room rates for all qualifying hotels.
response	string	OPTIONAL	<ul style="list-style-type: none"> ● Allowed values: “fast” or “full” ● Default is “fast”. ● “fast” will return a response within an internally-defined cut-off time. Therefore, it includes only a subset of the results. ● “fast” is recommended for fetching “Starts from” prices, and for mobile applications. ● “full” will return the complete result set. More properties and prices are returned, but response time may be longer.

Room :

Attribute	Type	Required	Description
adults	integer	REQUIRED	The number of adults in the room
children_ages	array	OPTIONAL	An array with the ages of children in the room E.g. 2 children aged 10 and 15 years [10, 15]
no_of_extra_beds	integer	OPTIONAL	The number of extra beds required in the room (for children)
no_of_infants	integer	OPTIONAL	Number of infants in the room

7.3 Sample Search and Availability Payload

Sample request using GRN city code

```
{
  "destination_code": "C!000555",
  "checkin": "2016-12-29",
  "checkout": "2016-12-30",
  "client_nationality": "IN",
  "response": "full",
  "currency": "INR",
  "rates": "comprehensive",
  "hotel_category": [2, 6],
  "rooms": [
    {
      "adults": 1
    },
    {
      "adults": 2,
      "children_ages": [3]
    }
  ]
}
```

Sample Request using GRN hotel codes

```
{
  "hotel_codes": ["H!0048370", "H!0050274", "H!0061041", "H!0071904"],
  "checkin": "2016-12-29",
  "checkout": "2016-12-30",
  "client_nationality": "IN",
  "response": "full",
  "currency": "INR",
  "rates": "comprehensive",
  "hotel_category": [2, 6],
  "rooms": [
    {
      "adults": 1
    },
    {
      "adults": 2,
      "children_ages": [3]
    }
  ]
}
```

8. Search Response

8.1 Response

Attribute	Type	Description
search_id	string	Unique ID for the search request
no_of_hotels	integer	The number of hotels in the response
no_of_rooms	integer	The number of rooms requested for
no_of_nights	integer	The number of nights the rooms are requested for
no_of_children	integer	Number of children
no_of_infants	integer	Number of Infants
no_of_adults	integer	Number of adults
checkin	date	Check-in date
checkout	date	Check-out date
hotels	array	An array of hotels with availability information. "Hotel" is described below.

Hotel:

Attribute	Type	Description
hotel_code	string	Unique GRN hotel code
name	string	Name of the hotel
description	string	Description of the hotel
city_code	string	City code
country	string	Country code
recommended	boolean	"true" if the hotel is recommended by at least one top supplier
min_rate	object	Contains the lowest price within a given hotel for the given search criteria. See "rate" for more info.
images	object	Images of the hotel
geolocation	object	Geolocation of the hotel
facilities	string	List of facilities available in the hotel delimited by semicolon
category	float	The star category of the hotel
address	string	Address of the hotel
rates	array	<ul style="list-style-type: none">● An array of all available rates for a hotel.● Returned only if 'comprehensive' rates are requested.● The "rate" element is described below.

Images

Attribute	Type	Description
main_image	string	Path for the main image of the hotel

N.B: All image paths should be prefixed with the base url <https://cdn.grnconnect.com/>

Example : <https://cdn.grnconnect.com/hotels/images/fa/67/fa67573977698e4442dd4c301168a20-c9bd411b4.jpg>

Rate

Attribute	Type	Description
rate_key	string	Unique code representing the rate. REQUIRED, to be included when making a booking request.
rate_type	string	Possible values are 'bookable', 'refetch' and 'recheck'. <ul style="list-style-type: none">● If rate_type = 'recheck', you must use re-check endpoint before booking.● If rate_type = 'refetch', you must use re-fetch availability for hotel-code before booking.
rate_comments	object	Object of dynamic key value pairs. Eg: { "comments": "Rate comments come here", "checkin-Instruction": "Checking details come here" }
non_refundable	boolean	'true' if the rate is Non-refundable. Otherwise, cancellation policies applicable.
room_code	string	Room code representing the rooms in the rate. REQUIRED to be included when making a booking request.
no_of_rooms	integer	Number of rooms included in this rate
group_code	string	<ul style="list-style-type: none">● Represents a group of related rates.● When booking multiple rates, you must use rates from the same group.● REQUIRED to be included when making a booking request.
price	float	Price for the rooms included in this rate.
price_details	object	Price details. Refer below for more info.
currency	string	Three-letter ISO currency code of the price
payment_type	array	Allowed payment types: AT_WEB, AT_HOTEL
allowed_card_types	array	An array of allowed card types.

<code>cancellation_policy</code>	<code>object</code>	Cancellation policy for the rate. See "Cancellation Policy" for details.
<code>cancellation_policy_code</code>	<code>string</code>	<ul style="list-style-type: none"> ● Code representing the cancellation policy for the rate. ● This is returned when cancellation policies are not available for the rate. ● This shall be used for fetching cancellation policies for the rate using cancellation policy end point.
<code>has_promotions</code>	<code>boolean</code>	"true" if any promotions are included in this rate
<code>promotions_details</code>	<code>array</code>	Array of promotions (strings), if any
<code>includes_boarding</code>	<code>boolean</code>	"true" if boarding is included in this rate
<code>boarding_details</code>	<code>array</code>	Array of boarding details (strings), if available
<code>other_inclusions</code>	<code>array</code>	Array of other inclusions (strings), if available
<code>includes_wifi</code>	<code>boolean</code>	"true" if wi-fi is included in this rate
<code>supports_amendment</code>	<code>boolean</code>	"true" if this booking can be amended through api.
<code>supports_cancellation</code>	<code>boolean</code>	"true" if this booking can be cancelled through api.
<code>rooms</code>	<code>array</code>	Array of rooms included for this rate. See "room" for details.

Price Details:

Dynamic key-value pairs, where each value is an array of charge details.

These details are for display purpose only. A compliant implementation is not required to process or interpret these details.

Refer sample price_details below.

Charge Details:

Attribute	Type	Description
name	string	Name of the charge.
included	boolean	'true' if the charge is already included in the price.
amount_type	string	Defines the type of amount: 'value' represents flatfee 'percent' represents percentage
amount	float	flat fee or percentage value.
mandatory	boolean	'true' if this must be paid either at booking or at hotel. Otherwise, this has to be paid(at hotel) only if you need the supplement/facility.
currency	string	Three-letter ISO currency code
comments	string	Description or any notes for the charge if available.

Sample price_details

```
{
  "price_details":{
    "surcharge_or_tax":[
      {
        "amount":48.47,
        "name":"roomTax",
        "included":true,
        "currency":"USD",
        "amount_type":"value"
      },
      {
        "amount":4,
        "name":"salesTax",
        "included":true,
        "currency":"USD",
        "mandatory":true,
        "amount_type":"percent"
      }
    ]
  }
}
```

```

],
  "hotel_charges":[
    {
      "amount":129.92,
      "mandatory":true,
      "name":"Resort",
      "included":false,
      "comments":"Per Room",
      "amount_type":"value",
      "currency":"USD"
    }
  ]
}

```

Room

Attribute	Type	Description
room_type	string	Room type. E.g. single room, executive room, suite
room_reference	string	Unique room reference for the room
no_of_rooms	integer	Number of rooms(included) of the same type
no_of_adults	integer	Number of adults in the room if available
no_of_children	integer	Number of children in the room if available
children_ages	array	Ages of the children if applicable
no_of_infants	integer	Number of infants in the room if applicable
description	string	Description of the room
bed_types	array	Array of bed type Objects. If returned, you can choose and include bed type in the booking request.
max_room_occupancy	object	An object representing maximum room occupancy. This will be returned when no_of_adults is not available.

Max room Occupancy:

Attribute	Type	Description
max_pax	integer	Maximum number of total guests allowed in the room
max_adults	integer	Maximum number of adults allowed in the room
max_children	integer	Maximum number of children allowed in the room

Bed Type Object:

Attribute	Type	Description
id	integer	Bed type id
type	string	Bed type name/description

Geolocation:

Attribute	Type	Description
latitude	float	Latitude of the hotel
longitude	float	Longitude of the hotel

Cancellation Policy:

Attribute	Type	Description
under_cancellation	boolean	“true” if the booking is under cancellation, i.e. cancellation charges will apply should a cancellation be made later.
cancel_by_date	datetime	Last date for cancellation without charges. Mutually-exclusive with “under_cancellation” being “true”.
no_show_fee	object	Charges for no show. An Object with the following fields <ul style="list-style-type: none">● amount_type represents the type of value. As mentioned below.● currency Three-letter ISO currency code● flatfee/percent/nights as mentioned in amount_type
amount_type	string	Defines the type of value in details: <ul style="list-style-type: none">● value represents amount● percent represents percentage● nights represents charges in number of nights.● For nights, in some cases, percentage is also returned. In those cases charges have to be calculated by taking (percentage x nights) value.
details	array	List of cancellation windows and applicable charges. Refer policy details below.
policy_text	string	Description of applicable cancellation-policies in string format if available.

Policy Details:

Attribute	Type	Description
from	datetime	Date from which the charge in this window applies
nights	integer	Charges in number of nights.
percent	float	Charges in percentage
flatfee	float	Charge applicable
currency	string	Three-letter ISO currency code

8.1.1 Error Codes

HTTP Status Code	Error Code	Description
200	5101	Field[name] is required
200	5102	Field[name] value/type is invalid
200	5108	Check-In and check-out dates must be valid, and in ISO8601 format (YYYY-MM-DD)
200	5109	Check-In date cannot be older than today
200	5110	Stay cannot exceed 30 days
200	5111	Check-out date must be greater than check-in date
200	5103	Invalid hotel category
200	5106	Children ages should be between 0 and 18
200	1501	No availability for the requested search criteria
200	1502	No hotels found for the query
401	1102	Invalid API key

8.1.2 Sample Search Response

```
{
  "search_id":"d3kmmkyqvuhyi7pnrkcm5szkvu",
  "no_of_rooms":2,
  "no_of_nights":1,
  "no_of_hotels":2,
  "no_of_children":1,
  "no_of_adults":3,
  "hotels":[
    {
      "recommended":true,
      "rates":[
        {
          "supports_cancellation":true,
          "supports_amendment":false,
          "rooms":[
            {
              "room_type":"200432",
              "no_of_rooms":1,
              "no_of_children":1,
              "no_of_adults":2,
              "description":"Executive Double or Twin Room - Non Refundable BB",
              "children_ages":[
                3
              ],
              "bed_types":[
                {
```

```

        "type": "2 twin beds",
        "id": 25
      },
      {
        "type": "1 queen bed",
        "id": 15
      }
    ]
  },
  {
    "room_type": "200432",
    "no_of_rooms": 1,
    "no_of_children": 0,
    "no_of_adults": 1,
    "description": "Executive Double or Twin Room - Non Refundable
BB",
    "bed_types": [
      {
        "type": "2 twin beds",
        "id": 25
      },
      {
        "type": "1 queen bed",
        "id": 15
      }
    ]
  }
],
"room_code": "4ddfznbt7quczuc3",
"rate_type": "bookable",
"rate_key": "wknvbnjq4n6sjr2qusmwaags4hn2zxhz6czoztztjr",
"rate_comments": {
  "tax_information": "SalesTax and HotelOccupancyTax(if charged) are
included in TaxAndServiceFee"
},
"price_details": {
  "surcharge_or_tax": [
    {
      "name": "TaxAndServiceFee",
      "included": true,
      "currency": "INR",
      "amount_type": "value",
      "amount": 1064.42
    }
  ]
},
"hotel_charges": [
  {
    "name": "MandatoryTax",
    "included": false,
    "currency": "INR",
    "amount_type": "value",
    "amount": 290.03
  }
],
"net": [
  {

```

```

        "name": "Net",
        "included": true,
        "currency": "INR",
        "amount_type": "value",
        "amount": 18805.01
    }
    ]
},
"price": 18805.01,
"payment_type": [
    "AT_HOTEL"
],
"other_inclusions": [
    "Free Wireless Internet"
],
"non_refundable": true,
"no_of_rooms": 2,
"includes_wifi": true,
"includes_boarding": true,
"has_promotions": false,
"group_code": "wsdbjylcxn4uf",
"currency": "INR",
"cancellation_policy": {
    "under_cancellation": true,
    "details": [
        {
            "percent": 100,
            "from": "2016-11-22T07:59:56.491271",
            "currency": "INR"
        }
    ],
    "amount_type": "percent"
},
"boarding_details": [
    "Breakfast Buffet"
]
},
{
    "supports_cancellation": true,
    "supports_amendment": false,
    "rooms": [
        {
            "room_type": "28076",
            "no_of_rooms": 1,
            "no_of_children": 1,
            "no_of_adults": 2,
            "description": "City Room",
            "children_ages": [
                3
            ]
        }
    ],
    "room_code": "43fevnb45bouroa",
    "rate_type": "bookable",
    "rate_key": "nhzihyw3fv1aj5xq5ua2dcgfb6oxye4wktlutu3vs",
    "price_details": {

```

```

    "net":[
      {
        "name":"Net",
        "included":true,
        "currency":"INR",
        "amount_type":"value",
        "amount":8773.25
      }
    ]
  },
  "price":8773.25,
  "payment_type":[
    "AT_WEB"
  ],
  "non_refundable":false,
  "no_of_rooms":1,
  "includes_boarding":true,
  "has_promotions":false,
  "group_code":"wcobnyltrv3xhbq",
  "currency":"INR",
  "cancellation_policy_code":"wcobnyltrv3xhb-
qi7lhg2f6q4hj2ns5c6g663v16",
  "boarding_details":[
    "Bed & Breakfast"
  ]
},
{
  "supports_cancellation":true,
  "supports_amendment":false,
  "rooms":[
    {
      "room_type":"28076",
      "no_of_rooms":1,
      "no_of_children":0,
      "no_of_adults":1,
      "description":"City Room"
    }
  ],
  "room_code":"47eevnb45bouroa",
  "rate_type":"bookable",
  "rate_key":"cmg5hph74uaq6qghgwbthpxr5cmtuxec5liojekowzhzspwdpa2v4",
  "price_details":{"
    "net":[
      {
        "name":"Net",
        "included":true,
        "currency":"INR",
        "amount_type":"value",
        "amount":8193.34
      }
    ]
  }
},
  "price":8193.34,
  "payment_type":[
    "AT_WEB"
  ]
}

```

```

    ],
    "non_refundable":false,
    "no_of_rooms":1,
    "includes_boarding":true,
    "has_promotions":false,
    "group_code":"wcobnyltrv3xhbq",
    "currency":"INR",
    "cancellation_policy_code":"wcobnyltrv3xhb-
qi7lhg2f6q4hj2ns5c6g663v16",
    "boarding_details":[
        "Bed & Breakfast"
    ]
}
],
"name":"Lutecia Smart Design Hotel",
"images":{"
    "main_image":"hotels/images/51/7b/517bf51a2c54e013ced-
ba6d26687355d0ce11f81.jpg"
},
"hotel_code":"H!0049396",
"geolocation":{"
    "longitude":-9.138914,
    "latitude":38.746067
},
"facilities":"porter/bellhop; security safe (room); designer toiletries;
year built 1969; desk; free toiletries; restaurant(s); check-out time is noon; total
number of rooms - 175; bathtub only; dry cleaning/laundry service; 24-hour business
center; visa; cable tv service; television in common areas; babysitting or childcare
(surcharge); safe-deposit box at front desk; air conditioning (room); satellite/ca-
ble tv; flat-screen tv; conference space size (meters) - 110; restaurant; diners
club; free wi-fi (public areas); luggage storage; airport transportation (sur-
charge); meeting rooms 5; blackout drapes/curtains; number of floors - 11; check-in
time starts at 2 pm; private bathroom; 24-hour front desk; conference space size
(feet) - 1184; breakfast available (surcharge); parking - nearby; air conditioned
(public areas); concierge services; bidet; mini bar; room service (limited hours);
air conditioning; bar/lounge; mastercard; free cribs/infant beds; laundry service;
free wi-fi; connecting/adjoining rooms available; designated smoking areas; led tv;
tours/ticket assistance; coffee shop or café; daily housekeeping; espresso maker;
free wifi; premium bedding; business centre; babysitting available; direct-dial
telephone; free newspapers in lobby; gym; hair dryer; pets not allowed; jcb interna-
tional; number of buildings/towers - 1; spa services on site; bar(s); minibar;
24-hour fitness facilities; room service; minimum check-in age is 18; american
express; concierge; rollaway/extra beds available; number of meeting rooms - 5;
multilingual staff; babysitting or childcare; conference facilities; elevator/lift;
in-room safe (laptop compatible); laundry facilities; phone",
"description:"This smart design hotel is located in a prime residential
area in Lisbon, close to the popular Avenida de Roma. Guests will find Rossio square
and the city centre just a short metro ride away, making this establishment an ideal
base for those travellers wishing to explore this vibrant city. Spread over 9 themed
floors, the tastefully decorated guest rooms boast panoramic views over the city and
offer an array of modern conveniences to guarantee a truly memorable stay, such as
air conditioning and satellite television. Guests will appreciate the fusion restau-
rant serving a wide choice of Portuguese dishes as well as Indian specialities. Five
meeting rooms are available to meet all business travellers' needs.",
"country":"PT",
"city_code":"C!000555",

```

```

"category":4,
"address":"Av. Frei Miguel Contreiras 52 1749-086 Lisboa"
},
{
  "rates":[
    {
      "supports_cancellation":true,
      "supports_amendment":false,
      "rooms":[
        {
          "room_type":"DBL.PI",
          "no_of_rooms":1,
          "no_of_children":1,
          "no_of_adults":2,
          "description":"DOUBLE PREMIUM",
          "children_ages":[
            3
          ]
        }
      ],
      "room_code":"4pgvlzuyy",
      "rate_type":"BOOKABLE",
      "rate_key":"4phflmrx4avcjfstusngchgu4pjop-6hdlqrp55lh4ium4ph6tdrrn6nciw",
      "promotions_details":[
        "Child discount -90.66",
        "Exclusive discount 25.90"
      ],
      "price_details":{
        "net":[
          {
            "name":"Net",
            "included":true,
            "currency":"INR",
            "amount_type":"value",
            "amount":20309.01
          }
        ]
      }
    },
    "price":20309.01,
    "payment_type":[
      "AT_WEB"
    ],
    "non_refundable":false,
    "no_of_rooms":1,
    "includes_wifi":false,
    "includes_boarding":true,
    "has_promotions":true,
    "group_code":"xgirbylkwb6xtg",
    "currency":"INR",
    "cancellation_policy":{
      "under_cancellation":false,
      "details":[
        {
          "from":"2016-12-25T00:00:00",
          "flat_fee":20309.01,
          "currency":"INR"
        }
      ]
    }
  ],

```

```

        "cancel_by_date": "2016-12-24T00:00:00",
        "amount_type": "value"
    },
    "boarding_details": [
        "BED AND BREAKFAST"
    ],
    "allotment": 2
},
{
    "supports_cancellation": true,
    "supports_amendment": false,
    "rooms": [
        {
            "room_type": "DBL.PI",
            "no_of_rooms": 1,
            "no_of_children": 0,
            "no_of_adults": 1,
            "description": "DOUBLE PREMIUM"
        }
    ],
    "room_code": "4phf3kr64ercplzuyy",
    "rate_type": "BOOKABLE",
    "rate_key": "4far7zqeuaoqt1436otsfyhfgjuk6cbhakoooro2mwn7x5k34-
sumyop7d7t2s6nhq",
    "promotions_details": [
        "Exclusive discount 23.31"
    ],
    "price_details": {
        "net": [
            {
                "name": "Net",
                "included": true,
                "currency": "INR",
                "amount_type": "value",
                "amount": 18619.31
            }
        ]
    },
    "price": 18619.31,
    "payment_type": [
        "AT_WEB"
    ],
    "non_refundable": false,
    "no_of_rooms": 1,
    "includes_wifi": false,
    "includes_boarding": true,
    "has_promotions": true,
    "group_code": "xgirbylkwb6xtg",
    "currency": "INR",
    "cancellation_policy": {
        "under_cancellation": false,
        "details": [
            {
                "from": "2016-12-25T00:00:00",
                "flat_fee": 18619.31,
                "currency": "INR"
            }
        ]
    },
    "cancel_by_date": "2016-12-24T00:00:00",

```

```

        "amount_type": "value"
    },
    "boarding_details": [
        "BED AND BREAKFAST"
    ],
    "allotment": 2
}
],
"name": "behotelisboa",
"images": {
    "main_image": "hotels/images/7f/56/7f560e65d515fc4f5bf3f14b83c33.jpg"
},
"hotel_code": "H!0432594",
"geolocation": {
    "longitude": -9.14528,
    "latitude": 38.7234
},
"facilities": "free toiletries; check-out time is noon; slippers; visa; sound-proofed rooms; parking (limited spaces); safe-deposit box at front desk; no rollaway/extra beds available; plasma tv; luggage storage; private bathroom; 24-hour front desk; year built 2015; breakfast available (surcharge); number of floors - 5; smoke-free property; air conditioning; mastercard; check-in time starts at 2:00 pm; total number of rooms - 39; room service (24 hours); tours/ticket assistance; daily housekeeping; free wifi; no cribs (infant beds) available; hair dryer; pets not allowed; self parking (surcharge); number of buildings/towers - 1; minibar; shower only; minimum check-in age is 18; american express; satellite tv service; in-room safe (laptop compatible)",
"description": "Property Location With a stay at behotelisboa, you'll be centrally located in Lisbon, steps from Santa Justa Elevator and Figueira Square. This 4-star hotel is within close proximity of Armazens do Chiado Mall and Carmo Convent. Rooms Make yourself at home in one of the 39 air-conditioned rooms featuring minibars and plasma televisions. Complimentary wireless Internet access keeps you connected, and satellite programming is available for your entertainment. Private bathrooms with showers feature complimentary toiletries and hair dryers. Conveniences include laptop-compatible safes, and housekeeping is provided daily. Amenities Make use of convenient amenities, which include complimentary wireless Internet access and tour/ticket assistance. Dining Take advantage of the hotel's 24-hour room service. Business, Other Amenities Featured amenities include a 24-hour front desk, luggage storage, and a safe deposit box at the front desk.",
"country": "PT",
"city_code": "C!000555",
"category": 4,
"address": ""
}
],
"checkout": "2016-12-30",
"checkin": "2016-12-29"
}

```

8.2 Re-Fetch Availability with search ID

You can use this method to fetch complete availability of a previous search.

Method	Endpoint
GET	api/v3/hotels/availability/<sid>

<sid> refers to the 'search_id' returned in the search response. The response structure for this request will be same as the search response.

8.2.1 Error Codes

HTTP Status Code	Error Code	Description
200	1501	No availability for the requested search criteria
403	5003	Not authorised
200	1504	Invalid search ID or it might have expired
401	1102	Invalid API key

8.3 Re-fetch Availability for a Single Hotel

You can use this method to re-fetch availability of a single hotel from a previous search.

Method	Endpoint
GET	<code>api/v3/hotels/availability/<sid>?hcode=<hcode></code>

`<hcode>` refers to the 'hotel_code' returned in the search response.

`<sid>` refers to the 'search_id' returned in the search response.

Response to this will be similar to the search response with results for just one hotel.

Bundled Rates:

You can use this method to fetch rates which are custom bundled by GRNconnect. This is applicable only when you are searching for multiple rooms.

Method	Endpoint
GET	<code>api/v3/hotels/availability/<sid>?hcode=<hcode>&bundled=true</code>

Response will be similar to the re-fetch method with all rates bundled.

8.3.1 Error Codes

HTTP Status Code	Error Code	Description
200	1501	No availability for the requested search criteria
200	1507	Invalid hotel code
200	1504	Invalid search ID or it might have expired
401	1102	Invalid API key
404	5002	Hotel not found

8.4 Fetch Cancellation Policies for the rate using rate-key

You can use this method to fetch the cancellation policies for the selected rate from the previous search if cancellation policy code is returned instead of cancellation policy.

8.4.1 Request

Method	Endpoint
POST	api/v3/hotels/availability/<sid>/rates/cancellation_policies/

8.4.2 Payload

Attribute	Type	Required	Description
rate_key	string	REQUIRED	Refers to rate key returned in search response for the selected rate.
cp_code	string	REQUIRED	Refers to cancellation policy code returned in search response.

8.4.3 Sample Cancellation Policies Payload

```
{
  "rate_key": "szgueavmvt6db4xhrhdqtf3wdwr3eau3vs",
  "cp_code": "wcobnyl1trv3xhbqi71hg2f6q4hj2ns5c6g663v16"
}
```

8.4.4 Sample Cancellation Policy Response

The response will be similar to the cancellation policies which are returned in the search response. Refer **Cancellation Policy** in 8.1(Search Response) for more info.

```
{
  "under_cancellation": true,
  "no_show_fee": {
    "flat_fee": 7153.14,
    "currency": "INR",
    "amount_type": "value"
  },
  "details": [
    {
      "from": "2016-11-22T08:35:19",
      "flat_fee": 7153.14,
      "currency": "INR"
    }
  ],
  "cancellation_policy_code": "uwird5tpwf3spucqu2nwigox4xmklqfm62zorvl63i",
  "amount_type": "value"
}
```

8.4.5 Error Codes

HTTP Status Code	Error Code	Description
200	1504	Invalid search ID or it may have expired
200	5146	No permissions / Not Authorised at supplier's end
200	5147	Supplier API is currently unavailable
200	5140	Unknown Error at Supplier's end
200	2004	The booking item is not available/sold out
200	2008	The rate_key is invalid/expired
200	5102	cancellation_policies_code value/type is invalid
200	5102	rate_key value/type is invalid
200	5101	Field[name] is required

8.5 Rate Re-check using rate_key

You shall use this method to fetch the updated rate.
It is mandatory to perform this check before booking if "rate_type" is "recheck" in search response.

8.5.1

Method	Endpoint
POST	api/v3/hotels/availability/<sid>/rates/?action=recheck

8.5.2 Payload

Attribute	Type	Required	Description
rate_key	string	REQUIRED	Refers to rate key returned in search response for the selected rate.
group_code	string	REQUIRED	Refers to group code returned in search response for the selected rate.

8.5.3 Response

The response will be similar to that of search response. Find the sample response below.

8.5.4 Sample Rate-Recheck Payload

```
{
  "rate_key": "4phf1mrX4mvc7fstusngchgX4",
  "group_code": "Xgirby1kwb6xtgk3v2mgafos"
}
```

8.5.5 Sample Rate-Recheck Response

```
{
  "search_id": "d3kmmkyqvuhyi7pnrkcm5szkvu",
  "hotel": {
    "rate": {
      "supports_cancellation": true,
      "supports_amendment": false,
      "rooms": [
        {
          "room_type": "28076",
          "no_of_rooms": 1,
          "no_of_children": 1,
          "no_of_adults": 2,
          "description": "City Room",
          "children_ages": [
            3
          ]
        }
      ],
      "room_code": "43fevnb45bouroa",
      "rate_type": "bookable",
      "rate_key": "nhzihyw3fv1aj5xq5ua2dcgfb6oxye4wktlutu3vs",
      "price_details": {
        "net": [
          {
            "name": "Net",
            "included": true,
            "currency": "INR",
            "amount_type": "value",
            "amount": 8773.25
          }
        ]
      },
      "price": 8773.25,
      "payment_type": [
        "AT_WEB"
      ],
      "non_refundable": false,
      "no_of_rooms": 1,
      "includes_boarding": true,
      "has_promotions": false,
      "group_code": "wcobny1trv3xhbq",
      "currency": "INR",
      "cancellation_policy_code": "wcobny1trv3xhbqi71hg2f6q4hj2ns5c6g663v16",
    }
  }
}
```

```

    "cancellation_policy":{
      "under_cancellation":false,
      "details":[
        {
          "from":"2016-12-28T00:00:00",
          "flat_fee":8773.25,
          "currency":"INR"
        }
      ],
      "cancel_by_date":"2016-12-27T00:00:00",
      "amount_type":"value"
    },
    "boarding_details":[
      "Bed & Breakfast"
    ]
  },
  "name":"Lutecia Smart Design Hotel",
  "images":{
    "main_image":"hotels/images/51/7b/517bf51a2c54e013ced-
ba6d26687355d0ce11f81.jpg"
  },
  "hotel_code":"H!0049396",
  "geolocation":{
    "longitude":-9.138914,
    "latitude":38.746067
  },
  "facilities":"porter/bellhop; security safe (room); designer toiletries; year
built 1969; desk; free toiletries; restaurant(s); check-out time is noon; total
number of rooms - 175; bathtub only; dry cleaning/laundry service; 24-hour busi-
ness center; visa; cable tv service; television in common areas; babysitting or
childcare (surcharge); safe-deposit box at front desk; air conditioning (room);
satellite/cable tv; flat-screen tv; conference space size (meters) - 110; restau-
rant; diners club; free wi-fi (public areas); luggage storage; airport transporta-
tion (surcharge); meeting rooms 5; blackout drapes/curtains; number of floors -
11; check-in time starts at 2 pm; private bathroom; 24-hour front desk; conference
space size (feet) - 1184; breakfast available (surcharge); parking - nearby; air
conditioned (public areas); concierge services; bidet; mini bar; room service
(limited hours); air conditioning; bar/lounge; mastercard; free cribs/infant beds;
laundry service; free wi-fi; connecting/adjoining rooms available; designated
smoking areas; led tv; tours/ticket assistance; coffee shop or café; daily house-
keeping; espresso maker; free wifi; premium bedding; business centre; babysitting
available; direct-dial telephone; free newspapers in lobby; gym; hair dryer; pets
not allowed; jcb international; number of buildings/towers - 1; spa services on
site; bar(s); minibar; 24-hour fitness facilities; room service; minimum check-in
age is 18; american express; concierge; rollaway/extra beds available; number of
meeting rooms - 5; multilingual staff; babysitting or childcare; conference facil-
ities; elevator/lift; in-room safe (laptop compatible); laundry facilities; phone",
  "description":"This smart design hotel is located in a prime residential area
in Lisbon, close to the popular Avenida de Roma. Guests will find Rossio square and
the city centre just a short metro ride away, making this establishment an ideal
base for those travellers wishing to explore this vibrant city. Spread over 9
themed floors, the tastefully decorated guest rooms boast panoramic views over the
city and offer an array of modern conveniences to guarantee a truly memorable stay,
such as air conditioning and satellite television. Guests will appreciate the
fusion restaurant serving a wide choice of Portuguese dishes as well as Indian

```

```

specialities. Five meeting rooms are available to meet all business travellers'
needs.",
  "country":"PT",
  "city_code":"C!000555",
  "category":4,
  "address":"Av. Frei Miguel Contreiras 52 1749-086 Lisboa"
}
}

```

8.5.6 Error Codes

HTTP Status Code	Error Code	Description
404	1504	Invalid search Id or it may have expired
200	2001	Invalid group code
200	5146	Not Authorised at supplier's end
200	5147	Supplier API is currently unavailable
200	5140	Unknown Error at Supplier's end
200	2004	The booking item is not available/sold out
200	2008	The rate_key is invalid or expired
200	5102	group_code value/type is invalid
200	5102	rate_key value/type is invalid
200	5101	Field[name] is required

9. Booking Request

9.1 Request

Method	Endpoint
POST	api/v3/hotels/bookings

9.2 Booking Payload

Attribute	Type	Required	Description
search_id	string	REQUIRED	Search ID returned in the search response
hotel_code	string	REQUIRED	GRN hotel code returned in search
city_code	string	REQUIRED	City code returned in search
booking_name	string	OPTIONAL	Name of the booking; for agent's reference
group_code	string	REQUIRED	Group code returned in search If a re-check or re-fetch is performed, group_code returned in that response should be used.
checkin	date	REQUIRED	Check-in date; must be in the format yyyy-mm-dd.
checkout	date	REQUIRED	Check-out date; must be in the format yyyy-mm-dd.
payment_type	string	REQUIRED	"AT_WEB" or "AT_HOTEL". Must get matched with the booking item selected
holder	object	REQUIRED	Information of the lead passenger. See " holder " for details.
booking_items	array	REQUIRED	Information of the rooms and the pax in the rooms. See "Booking Item" for details.
booking_comments	string	OPTIONAL	Optional booking comments to be passed along to the hotel
credit_card	object	REQUIRED if payment_type = "AT_HOTEL"	Contains Fields of Credit Card

Booking Item:

Attribute	Type	Required	Description
rate_key	string	REQUIRED	rate_key value from the search response If a re-check or re-fetch is performed, rate_key returned in that response should be used.
room_code	string	REQUIRED, if returned in the search response	room_code value from the search response If a re-check or re-fetch is performed, room_code returned in that response should be used.
rooms	array	REQUIRED	List of "room" elements

Room :

Attribute	Type	Required	Description
room_reference	string	REQUIRED, if returned in the search response	Unique room reference for the room If a re-check or re-fetch is performed, room_reference returned in that response should be used.
paxes	array	REQUIRED	Contains the information of pax in the room
no_of_infants	integer	OPTIONAL, required if Infants are present	Number of infants
no_of_extra_beds	integer	OPTIONAL, required if children are present	Number of extra beds needed for children
bedtype_id	integer	OPTIONAL	Preferred bed type which can be selected from the list of bed types returned in the search response.

Pax:

Attribute	Type	Required	Description
title	string	REQUIRED	Title of the passenger (accepted values are: "Mr.,""Ms.,""Mrs.,""Mstr.")
name	string	REQUIRED	Name of the person staying in the room. Must not contain any special characters and numbers.
surname	string	REQUIRED	Surname/patronymic of the person staying in the room. Must not contain any special characters and numbers.
type	string	REQUIRED	Must be either "AD" or "CH"
age	integer	REQUIRED if type = "CH"	Age of the children

Holder:

Attribute	Type	Required	Description
title	string	REQUIRED	Title of the passenger (accepted values are: "Mr.,""Ms.,""Mrs.,""Mstr.")
name	string	REQUIRED	Name of the lead passenger. Must not contain any special characters and numbers.
surname	string	REQUIRED	Surname/patronymic of the lead passenger. Must not contain any special characters and numbers.
email	string	REQUIRED	Valid email address of the lead passenger
phone_number	string	REQUIRED	Phone number of the lead passenger
client_nationality	string	REQUIRED	Two-letter ISO country code of the lead passenger

Credit Card

Attribute	Type	Required	Description
address_line1	string	REQUIRED	First line for street address, 28 char max.
address_line2	string	OPTIONAL	Optional second line for street address, 28 char max.
address_line3	string	OPTIONAL	Optional third line for street address, 28 char max.
amount	float	REQUIRED	Amount to be paid for the booking
card_cv2	integer	REQUIRED	Credit card identification number or the card security value (CSV or CVV) that is found on the back of the card. Never store this value after the customer's initial entry and booking attempt.
card_holder_name	string	REQUIRED	Full first name of the credit card holder. Only accepts non-accented Latin ASCII (26 letter alphabet). 25 char max - no salutations or company names.
card_issue_number	integer	OPTIONAL	Card issue number..
card_number	integer	REQUIRED	Must be a valid card number in-order to book a hotel
card_type	string	REQUIRED	Must be in the list of card_types provided
city_name	string	REQUIRED	Customer's city.
country	string	REQUIRED	Two character ISO-3166 code for the country containing the specified city. Use only country codes designated as "officially assigned" in the ISO-3166 decoding table.
expiry_month	integer	REQUIRED	Credit card expiration month, in MM format.
expiry_year	integer	REQUIRED	Credit card expiration year, in YYYY format.
issuing_bank	string	OPTIONAL	Bank name which issued the credit card
state	string	OPTIONAL	Must be in the list of state codes provided (destination master).
zip	string	REQUIRED	This must match the credit card provider's records or the booking will not be valid.

N.B. GRNconnect does *not* store any credit card information of the users. The details are passed to the supplier with whom the booking is made.

9.2.1 Sample Booking Payload

For Bundled Rates:

```
{
  "search_id":"d3kmmkyqvuhyi7pnrkcm5szkvu",
  "hotel_code":"H!0049396",
  "city_code":"C!000555",
  "group_code":"wsdbjylcxn4uf",
  "checkin":"2016-12-29",
  "checkout":"2016-12-30",
  "booking_comments":"Testing",
  "payment_type":"AT_HOTEL",
  "booking_items":[
    {
      "room_code":"4ddfznb7quczuc3",
      "rate_key":"wknvbnjq4n6sjr2qusmwaags4hn2zxhz6czoztzjr",
      "rooms":[
        {
          "bedtype_id":25,
          "paxes":[
            {
              "title":"Mr.",
              "name":"Sam",
              "surname":"Patrick",
              "type":"AD"
            }
          ]
        },
        {
          "paxes":[
            {
              "title":"Mr.",
              "name":"Henry",
              "surname":"Patrick",
              "type":"AD"
            },
            {
              "title":"Mr.",
              "name":"Harry",
              "surname":"Patrick",
              "type":"AD"
            },
            {
              "title":"Mr.",
              "name":"Luke",
              "surname":"Patrick",
              "type":"CH",
              "age":3
            }
          ]
        }
      ]
    }
  ],
}
```

```

"holder":{
  "title":"Mr.",
  "name":"James",
  "surname":"Patrick",
  "email":"james@pat.com",
  "phone_number":"6614565589",
  "client_nationality":"fr"
},
"credit_card":{
  "city_name":"delhi",
  "amount":23128.09,
  "card_type":"VISA",
  "card_number":4242424242424242,
  "expiry_month":03,
  "expiry_year":2018,
  "card_cv2":832,
  "card_holder_name":"TEST CUSTOMER",
  "country":"NL",
  "address_line1":"delhi, india",
  "state":"D!001175"
}
}
}

```

For Non Bundled Rates

```

{
  "search_id":"d3kmmkyqvuhyi7pnrkcm5szkvu",
  "hotel_code":"H!0049396",
  "city_code":"C!000555",
  "group_code":"wcobnyltrv3xhbq",
  "checkin":"2016-12-29",
  "checkout":"2016-12-30",
  "booking_comments":"Testing",
  "payment_type":"AT_WEB",
  "booking_items":[
    {
      "room_code":"43fevnb45bouroa",
      "rate_key":"nhzihyw3fv1aj5xq5ua2dcgfb6oxye4wktlutu3vs",
      "rooms":[
        {
          "paxes":[
            {
              "title":"Mr.",
              "name":"Henry",
              "surname":"Patrick",
              "type":"AD"
            },
            {
              "title":"Mr.",
              "name":"Harry",
              "surname":"Patrick",
              "type":"AD"
            }
          ]
        }
      ]
    }
  ]
}

```

```

        {
            "title": "Mr.",
            "name": "Luke",
            "surname": "Patrick",
            "type": "CH",
            "age": 3
        }
    ]
}
],
{
    "room_code": "47eevnb45bouroa",
    "rate_key": "cmg5hph74uaq6qghgwbthpxr5cmtuxec5liojekowzhzspwdpa2v4",
    "rooms": [
        {
            "paxes": [
                {
                    "title": "Mr.",
                    "name": "Sam",
                    "surname": "Patrick",
                    "type": "AD"
                }
            ]
        }
    ]
}
],
"holder": {
    "title": "Mr.",
    "name": "James",
    "surname": "Patrick",
    "email": "james@pat.com",
    "phone_number": "6614565589",
    "client_nationality": "FR"
}
}

```

10. Booking Response

10.1 Response

Attribute	Type	Description
booking_id	string	Unique booking ID
booking_reference	string	Unique booking code. REQUIRED for all future transactions through api
booking_name	string	Booking name provided while booking
checkin	date	Check-in date Format: YYYY-MM-DD
checkout	date	Check-out date Format: YYYY-MM-DD
price	object	Price details of the booking (refer below for more info)
payment_type	string	Payment type used for the booking
non_refundable	boolean	'true' if the rate is Non-refundable. Otherwise, cancellation policies applicable.
payment_status	string	Status of the payment.
currency	string	Three-letter ISO currency code of the price
booking_date	datetime	The date when booking was made
status	string	Booking status will be one of the following <ul style="list-style-type: none">● confirmed● failed● rejected● pending
holder	object	Lead passenger details. Defined in the holder section above.
hotel	object	Hotel element
supports_amendment	boolean	"true" if amendments are allowed
supports_cancellation	boolean	"true" if cancellations are allowed
booking_comment	string	Optional booking comments passed along to the hotel
additional_info	object	Additional information if any. Object of dynamic key value pairs. Eg: { "comments": "comments come here", "Checkin-Instruction": "Checking details come here" }

Price:

Attribute	Type	Description
total	float	Booking amount
breakdown	object	Dynamic key value pairs, with values being an array of charge details. Refer below for charge details and sample response.

Charge Details:

Attribute	Type	Description
name	string	Name of the charge.
included	boolean	'true' if the charge is already included in the price.
amount_type	string	Defines the type of amount: 'value' represents flatfee 'percent' represents percentage
amount	float	flatfee or percentage value.
mandatory	boolean	'true' if this must be paid either at booking or at hotel. Otherwise, this has to be paid(at hotel) only if you need the supplement/facility.
currency	string	Three-letter ISO currency code
comments	string	Description or any notes for the charge if available.

Sample response for 'price' element:

```
{
  "total": 159828,
  "breakdown": {
    "surcharge_or_tax": [
      {
        "name": "TaxAndServiceFee",
        "included": true,
        "currency": "INR",
        "amount_type": "value",
        "amount": 14529.14
      }
    ],
    "hotel_charges": [
      {
        "name": "MandatoryTax",
        "Mandatory": true,
        "included": false,
        "currency": "INR",
        "amount_type": "value",
        "amount": 8854.72
      }
    ]
  }
}
```

Hotel:

Attribute	Type	Description
hotel_code	string	GRN hotel code
name	string	Name of the hotel
description	string	Description of the hotel
category	float	The star category of the hotel
address	string	Address of the hotel
geolocation	object	Geolocation
paxes	array	List of the pax in the booking
booking_items	array	List of booking items

Booking Item:

Attribute	Type	Description
room_code	string	Unique key representing the rooms in the booking item
rooms	array	List of room elements. Rooms that are part of the booking item.
non_refundable	boolean	'true' if the rate is Non-refundable. Otherwise, cancellation policies applicable.
rate_comments	object	Additional rate information, if any Object of dynamic key value pairs. Eg: { "comments": "comments come here", "additional rate info": "additional details come here" }
includes_boarding	boolean	"true" if boarding is included in this rate
boarding_details	array	List of boarding details, if applicable
other_inclusions	array	List of additional inclusions (strings), if available
cancellation_policy	object	Cancellation policy details
price	float	Price of the booking item
currency	string	Currency of the price.

Room:

Attribute	Type	Description
description	string	Room description
room_reference	string	Unique key referencing the room
pax_ids	array	List of pax identification details. Represents pax allocation to the rooms.
no_of_adults	integer	Number of adults in the room if available
no_of_infants	integer	Number of infants in the room if applicable
no_of_children	integer	Number of children in the room if available
bed_type	object	bed type details with the following structure { "id": 69, "type": "One double and two single beds" }

10.2 Error Codes

HTTP Status Code	Error Code	Description
200	1504	Invalid search ID or it may have expired
200	2001	Booking failed [with reason for failure]
200	2002	Invalid group code
200	5102	Field[name] value/type is invalid
200	5101	Field[name] value/type is required
200	5108	Check-in and check-out dates must be valid, and in ISO8601 format (YYYY-MM-DD)
200	5109	Check-in date cannot be older than today
200	2006	Need confirmation from supplier
200	5140	Unknown Error at Supplier's end
200	5144	Exceeded request limit
200	2004	The booking item is not available/sold out
200	2005	price mismatch
200	5126	Rate key 'Field[value]' and the rooms specified do not match
200	5113	No of rooms per request cannot exceed 10
200	5113	No of booking_items per request cannot exceed 10
200	5114	Paxes data does not match with the given room
200	5134	Age is required for type Children
200	5127	Only One Room For The Given Rate Can Be Booked
200	5126	Rate key and the rooms specified do not match
200	5112	group_code Does Not Match With The hotel_code or city_code
200	5115	hotel_code Does Not Match With The city_code
200	5110	Stay cannot exceed 30 days
200	5124	Existing Itinerary
200	5123	Credit Card Is Required For Booking
200	5122	Only One Rate_Key Per Booking For Bundled Rates

200	1511	Payment Type is Invalid for the rate_key 'Field[value]'
200	2012	room_code is Invalid for the rate_key 'Field[value]'
200	2013	room_reference is Invalid for the rate_key 'Field[value]'
200	2010	Rooms in the booking request doesn't match with the rooms in the search request
200	5111	Check-out date must be greater than check-in date
200	5120	Request timed out at supplier's end
200	5126	Rate key and the rooms specified do not match
403	5003	Not authorised
200	6000	Supplier error: Error[message]
401	1102	Invalid API key
404	5002	Hotel not found
200	5106	Children ages should be between 0 and 18
200	1505	Insufficient credit to create the booking
200	5139	Atleast one adult required in a room
200	5149	Search and Booking mismatch

10.3 Sample Booking Response

For Bundled Rates

```
{
  "supports_cancellation": true,
  "supports_amendment": false,
  "status": "confirmed",
  "price": {
    "total": 18805.01,
    "breakdown": {
      "surcharge_or_tax": [
        {
          "name": "TaxAndServiceFee",
          "included": true,
          "currency": "INR",
          "amount_type": "value",
          "amount": 1064.42
        }
      ],
      "hotel_charges": [
        {
          "name": "MandatoryTax",
          "included": false,
          "currency": "INR",
          "amount_type": "value",
          "amount": 290.03
        }
      ],
      "net": [
        {
          "name": "Net",
          "included": true,
          "currency": "INR",
          "amount_type": "value",
          "amount": 18805.01
        }
      ]
    }
  },
  "payment_type": "AT_WEB",
  "payment_status": "paid",
  "non_refundable": true,
  "hotel": {
    "paxes": [
      {
        "type": "CH",
        "surname": "Patrick",
        "pax_id": 1,
        "name": "Luke"
      },
      {
        "type": "AD",
        "surname": "Patrick",
        "pax_id": 2,
        "name": "Harry"
      }
    ],
    {
```

```

    "type": "AD",
    "surname": "Patrick",
    "pax_id": 3,
    "name": "Henry"
  },
  {
    "type": "AD",
    "surname": "Patrick",
    "pax_id": 4,
    "name": "Sam"
  }
],
"name": "Lutecia Smart Design Hotel",
"hotel_code": "H!0049396",
"geolocation": {
  "longitude": 9.138914,
  "latitude": 38.746067
},
"description": "This smart design hotel is located in a prime residential area in Lisbon, close to the popular Avenida de Roma. Guests will find Rossio square and the city centre just a short metro ride away, making this establishment an ideal base for those travellers wishing to explore this vibrant city. Spread over 9 themed floors, the tastefully decorated guest rooms boast panoramic views over the city and offer an array of modern conveniences to guarantee a truly memorable stay, such as air conditioning and satellite television. Guests will appreciate the fusion restaurant serving a wide choice of Portuguese dishes as well as Indian specialities. Five meeting rooms are available to meet all business travellers' needs.",
"country_code": "PT",
"city_code": "C!000555",
"category": "4",
"booking_items": [
  {
    "rooms": [
      {
        "room_reference": "1234",
        "pax_ids": [
          4
        ],
        "no_of_children": 0,
        "no_of_adults": 1,
        "bed_type": {
          "type": "2 twin beds",
          "id": 25
        }
      }
    ],
    {
      "room_reference": "1235",
      "pax_ids": [
        1, 2, 3
      ],
      "no_of_children": 1,
      "no_of_adults": 2
    }
  ]
],

```

```

"room_code": "4ddfznbt7quczuc33xsqkf6441jk5rvm6s6ovvts2fdbr7hochiq",
"price": 18805.01,
"other_inclusions": [
  "Breakfast Buffet",
  "Free Wireless Internet"
],
"non_refundable": true,
"includes_boarding": true,
"currency": "INR",
"cancellation_policy": {
  "under_cancellation": true,
  "details": [
    {
      "percent": 100,
      "from": "2016-11-22T08:44:05.447386Z",
      "currency": "INR"
    }
  ],
  "amount_type": "percent"
},
"boarding_details": [
  "Breakfast Buffet"
]
}
],
"address": "Av. Frei Miguel Contreiras 52 1749-086 Lisboa"
},
"holder": {
  "title": "Mr.",
  "surname": "Patrick",
  "phone_number": "6614565589",
  "name": "James",
  "email": "james@pat.com",
  "client_nationality": "fr"
},
"currency": "INR",
"checkout": "2016-12-30",
"checkin": "2016-12-29",
"booking_reference": "5hngtnl3x15uga",
"booking_id": "GRN-201611-000568",
"booking_date": "2016-11-22T08:44:06",
"booking_comment": "Testing",
"additional_info": {
  "tax_information": "SalesTax and HotelOccupancyTax(if charged) are included in TaxAndServiceFee",
  "spl_checkin_instructions": "Extra-person charges may apply and vary depending on property policy. <br />Government-issued photo identification and a credit card or cash deposit are required at check-in for incidental charges. <br />Special requests are subject to availability upon check-in and may incur additional charges. Special requests cannot be guaranteed. <ul><li>No onsite parking is available. </li></ul>",
  "checkin_instructions": "Extra-person charges may apply and vary depending on property policy. <br />Government-issued photo identification and a credit card or cash deposit are required at check-in for incidental charges. <br />Special requests are subject to availability upon check-in and may incur additional charges. Special requests cannot be guaranteed. <ul><li>No onsite parking is available. </li></ul>"
}
}
}

```

For Non Bundled Rates

```
{
  "supports_cancellation": true,
  "supports_amendment": false,
  "status": "confirmed",
  "price": {
    "total": 16966.59,
    "breakdown": {
      "net": [
        {
          "name": "Net",
          "included": true,
          "currency": "INR",
          "amount_type": "value",
          "amount": 16966.59
        }
      ]
    }
  },
  "payment_type": "AT_WEB",
  "payment_status": "pending",
  "hotel": {
    "paxes": [
      {
        "type": "CH",
        "surname": "Patrick",
        "pax_id": 1,
        "name": "Luke"
      },
      {
        "type": "AD",
        "surname": "Patrick",
        "pax_id": 2,
        "name": "Harry"
      },
      {
        "type": "AD",
        "surname": "Patrick",
        "pax_id": 3,
        "name": "Henry"
      },
      {
        "type": "AD",
        "surname": "Patrick",
        "pax_id": 4,
        "name": "Sam"
      }
    ],
    "name": "Lutecia Smart Design Hotel",
    "hotel_code": "H!0049396",
    "geolocation": {
      "longitude": -9.138914,
      "latitude": 38.746067
    },
    "description": "This smart design hotel is located in a prime residential area in
```

Lisbon, close to the popular Avenida de Roma. Guests will find Rossio square and the city centre just a short metro ride away, making this establishment an ideal base for those travellers wishing to explore this vibrant city. Spread over 9 themed floors, the tastefully decorated guest rooms boast panoramic views over the city and offer an array of modern conveniences to guarantee a truly memorable stay, such as air conditioning and satellite television. Guests will appreciate the fusion restaurant serving a wide choice of Portuguese dishes as well as Indian specialities. Five meeting rooms are available to meet all business travellers' needs.",

```

"city_code": "C!000555",
"category": 4,
"booking_items": [
  {
    "rooms": [
      {
        "room_type": "28076",
        "room_reference": "BB",
        "pax_ids": [
          1,
          2,
          3
        ],
        "no_of_children": 1,
        "no_of_adults": 2,
        "description": "City Room"
      }
    ],
    "price": 12182.37,
    "non_refundable": false,
    "includes_boarding": true,
    "currency": "INR",
    "cancellation_policy": {
      "under_cancellation": false,
      "details": [
        {
          "from": "2016-12-28T00:00:00",
          "flat_fee": 12182.37,
          "currency": "INR"
        }
      ]
    },
    "cancel_by_date": "2016-12-27T00:00:00",
    "amount_type": "value"
  },
  "boarding_details": [
    "Bed & Breakfast"
  ]
},
{
  "rooms": [
    {
      "room_type": "28076",
      "room_reference": "BB",
      "pax_ids": [
        4
      ],
      "no_of_children": 0,
      "no_of_adults": 1,
      "description": "City Room"
    }
  ]
}

```

```

    }
  ],
  "price": 11602.47,
  "non_refundable": false,
  "includes_boarding": true,
  "currency": "INR",
  "cancellation_policy": {
    "under_cancellation": false,
    "details": [
      {
        "from": "2016-12-28T00:00:00",
        "flat_fee": 11602.47,
        "currency": "INR"
      }
    ],
    "cancel_by_date": "2016-12-27T00:00:00",
    "amount_type": "value"
  },
  "boarding_details": [
    "Bed & Breakfast"
  ]
}
],
"address": "Av. Frei Miguel Contreiras 52 1749-086 Lisboa"
},
"holder": {
  "title": "Mr.",
  "surname": "Patrick",
  "phone_number": "6614565589",
  "name": "James",
  "email": "james@pat.com",
  "client_nationality": "FR"
},
"currency": "INR",
"checkout": "2016-12-30",
"checkin": "2016-12-29",
"booking_reference": "ftjtcf167mmlgii",
"booking_id": "GRN-201611-000566",
"booking_date": "2016-11-22T08:11:51",
"booking_comment": "Testing",
"additional_info": {
  "Msg": "Global Warnings for HOTELS"
}
}

```

11. Fetch a Booking with booking reference

You can use this method to fetch a single booking using booking reference.

Method	Endpoint
GET	api/v3/hotels/bookings/<bref>

<bref> refers to the 'booking_reference' returned in the booking response.

11.1 Error Codes

HTTP Status Code	Error Code	Description
404	5121	Booking not found
200	2002	Invalid Booking Reference

12. Cancellation Request

12.1 Request

Method	Endpoint
DELETE	api/v3/hotels/bookings/<bref>

<bref> refers to the 'booking_reference' returned in the booking response.

12.2 Payload

Attribute	Type	Required	Description
comments	string	OPTIONAL	Cancellation comments

12.3 Sample Cancellation Payload

```
{
  "comments": "cancellation comments"
}
```

13. Cancellation Response

13.1 Response

Attribute	Type	Description
cancellation_reference	string	Unique cancellation code
cancellation_comments	string	Cancellation message
status	string	Cancellation status will be one of the following <ul style="list-style-type: none">● confirmed● failed● rejected● pending
cancellation_charges	object	When available, cancellation charges are returned as shown below <pre>{ "amount": 346.42, "currency": "EUR" }</pre>
booking_id	string	Booking ID
booking_reference	string	Booking reference
booking_price	object	Booking price as shown below <pre>{ "amount": 346.42, "currency": "EUR" }</pre>

13.2 Error Codes

HTTP Status Code	Error Code	Description
200	2003	Booking has already been cancelled
200	2002	Invalid Booking Reference
200	5120	Request timed out at supplier's end
404	5121	Booking not found
200	5151	This Booking cannot be cancelled from Supplier's end. Supplier does not support cancellation from API if the cancel_by_date has crossed or is under_cancellation
200	2006	Need confirmation from supplier
200	5143	Past booking items cannot be cancelled
200	5142	Changes cannot be done to this booking item

13.3 Sample Cancellation Response

```
{
  "status": "confirmed",
  "cancellation_reference": "i5qaijh2qujw7k4km4sueop63a",
  "cancellation_comments": "cancellation comments",
  "cancellation_charges": {
    "currency": "INR",
    "amount": 0
  },
  "booking_reference": "ftjtcf167mmlgii",
  "booking_price": {
    "currency": "INR",
    "amount": 16966.59
  },
  "booking_id": "GRN-201611-000566"
}
```

14. Fetch Bookings List

You can use this method to fetch all bookings and cancellations.

Method	Endpoint
GET	api/v3/hotels/bookings

Parameters

Attribute	Type	Required	Description
filter_type	string	OPTIONAL	'booking_date' to fetch bookings based on booking date 'checkin_date' to fetch bookings based on check-in date Defaults to 'booking_date'
start	date	OPTIONAL	The starting date for the given filter type
end	date	OPTIONAL, REQUIRED IF 'start' IS GIVEN	The end date for the given filter type
from	string	OPTIONAL	Booking reference of the starting item
count	integer	OPTIONAL REQUIRED IF 'from' IS GIVEN	Number of bookings to fetch Maximum value is 100 Defaults to 30
direction	string	OPTIONAL REQUIRED IF 'from' IS GIVEN	'next' to fetch the next 'count' bookings 'prev' to fetch the previous 'count' bookings
type	string	OPTIONAL	Type of the booking 'B' to fetch bookings 'C' to fetch cancellations When type is not specified, both types are fetched

Note

- 'start' and 'end' date duration cannot exceed 30 days
- When no options are given, recent 30 bookings will be fetched (both types)

14.1 Sample Response

```
{
  "total":474,
  "count":1,
  "bookings":[
    {
      "supports_cancellation":true,
      "supports_amendment":false,
      "supplier_reference":"5007557",
      "search_id":"d3kmmkyqvuhyi7pnrkcm5szkvu",
      "price":{
        "total":16966.59,
        "breakdown":{
          "name":"Net",
          "amount":16966.59
        }
      }
    },
    "payment_type":"AT_WEB",
    "payment_status":"pending",
    "nationality":"FR",
    "hotel":{
      "paxes":[
        {
          "type":"AD",
          "surname":"Patrick",
          "pax_id":4,
          "name":"Sam"
        },
        {
          "type":"AD",
          "surname":"Patrick",
          "pax_id":3,
          "name":"Henry"
        },
        {
          "type":"AD",
          "surname":"Patrick",
          "pax_id":2,
          "name":"Harry"
        },
        {
          "type":"CH",
          "surname":"Patrick",
          "pax_id":1,
          "name":"Luke"
        }
      ]
    },
    "hotel_code":"H!0049396",
    "city_code":"C!000555",
    "booking_items":[
      {
        "rooms":[
          {

```

```

        "room_type": "28076",
        "room_reference": "BB",
        "pax_ids": [
            4
        ],
        "no_of_children": 0,
        "no_of_adults": 1
    }
],
"price": 11602.47,
"non_refundable": false,
"includes_boarding": true,
"currency": "INR",
"cancellation_policy": {
    "under_cancellation": false,
    "details": [
        {
            "from": "2016-12-28T00:00:00",
            "flat_fee": 11602.47,
            "currency": "INR"
        }
    ],
    "cancel_by_date": "2016-12-27T00:00:00",
    "amount_type": "value"
},
"boarding_details": [
    "Bed & Breakfast"
]
},
{
    "rooms": [
        {
            "room_type": "28076",
            "room_reference": "BB",
            "pax_ids": [
                3,
                2,
                1
            ],
            "no_of_children": 1,
            "no_of_adults": 2
        }
    ],
    "price": 12182.37,
    "non_refundable": false,
    "includes_boarding": true,
    "currency": "INR",
    "cancellation_policy": {
        "under_cancellation": false,
        "details": [
            {
                "from": "2016-12-28T00:00:00",
                "flat_fee": 12182.37,
                "currency": "INR"
            }
        ]
    },
    ],

```

```

        "cancel_by_date": "2016-12-27T00:00:00",
        "amount_type": "value"
    },
    "boarding_details": [
        "Bed & Breakfast"
    ]
}
]
},
"holder": {
    "surname": "Patrick",
    "phone_number": "6614565589",
    "name": "James",
    "email": "james@pat.com"
},
"currency": "INR",
"checkout": "2016-12-30",
"checkin": "2016-12-29",
"booking_type": "C",
"booking_status": "cancellation confirmed",
"booking_reference": "rpftjtcfl67mmlgiigtbezboy",
"booking_id": "GRN-201611-000566",
"booking_date": "2016-11-22T08:11:51"
}
]
}

```

14.2 Error Codes

HTTP Status Code	Error Code	Description
500	2005	Internal server error
200	5128	Field(type_1) is required when Field(type_2) is given
200	5129	Field(name) dates must be valid, and in ISO8601 format (YYYY-MM-DD)
200	5130	start and end date duration cannot exceed 30 days
200	5131	a maximum of 100 bookings can be viewed at a time
200	5132	type must be either B or C (Booking, Cancelled)
200	5133	filter_type type must be either booking_date or checkin_date

15. Images

You can use this method to fetch images for a given hotel using hotel_code.

Method	Endpoint
GET	api/v3/hotels/<hcode>/images

<hcode> refers to the 'hotel_code' returned in the search response.

N.B: All image paths should be prefixed with the base url : <https://cdn.grnconnect.com/>

Example : <https://cdn.grnconnect.com/hotels/images/fa/67/fa67573977698e4442dd4c301168a-20c9bd411b4.jpg>

15.1 Response

Attribute	Type	Description
images	object	An object of image paths grouped by size.

Images

Attribute	Type	Description
regular	array	Contains the list of image paths
small	array	Contains the list of image paths
large	array	Contains the list of image paths

15.2 Error Codes

HTTP Status Code	Error Code	Description
200	1507	Invalid hotel code
200	5137	No images found for the hotel
404	5002	Hotel not found

15.3 Sample Response

```
{
  "images": {
    "regular": [
      {
        "path": "hotels/images/fa/67/fa67573977698e4442dd4c301168a20c9bd411b4.jpg"
      },
      {
        "path": "hotels/images/e4/14/e414d4545fe00cd16336ab91af20ccdc4ccdec31.jpg"
      }
    ]
    "small": [
      {
        "path": "hotels/images/ff/e7/ffe7d4545fe00cd16336ab91af20ccdc4ccdec31.jpg"
      }
    ],
    "large": [
      {
        "path": "hotels/images/07/1d/071dd4545fe00cd16336ab91af20ccdc4ccdec31.jpg"
      }
    ]
  }
}
```

16. Voucher Endpoints

16.1 Generate Voucher for a Booking

You can use this method to generate voucher for a booking using booking reference.

PS: As of now, the voucher is automatically generated immediately after the booking is made.

Method	Endpoint
POST	/api/v3/hotels/bookings/<bref>/voucher

<bref> refers to the 'booking_reference' returned in the booking response.

16.2 View Voucher for a Booking

You can use this method to view voucher if it has been already generated for a booking using booking reference.

Method	Endpoint
GET	/api/v3/hotels/bookings/<bref>/voucher

<bref> refers to the 'booking_reference' returned in the booking response.

The response fields are same in view and generate voucher

Sample Response

```
{
  "voucher_issue_date": "2017-03-06T05:41:50",
  "supports_cancellation": true,
  "supports_amendment": false,
  "supplier_reference": "10780155",
  "supplier_code": "vacation_travels",
  "payment_type": "AT_WEB",
  "nationality": "FR",
  "hotel": {
    "paxes": [
      {
        "type": "AD",
        "surname": "Test",
        "pax_id": 2,
        "name": "James"
      },
      {
        "type": "AD",
        "surname": "Test",
        "pax_id": 1,
        "name": "Jack"
      }
    ]
  }
},
```

```

    "name": "Holiday Inn Express New York City Times Square",
    "image": "03/2c/032c552f6bcf5a3a7af255bfc-
cd5c53b02c0f743a5e69f83434c4046aa5e7a97.jpg",
    "hotel_code": "H!0171775",
    "geolocation": {
      "longitude": -73.99314,
      "latitude": 40.75632
    },
    "description": "This new, New York City hotel boasts a great location close to
Times Square. Located minutes from Times Square attractions, the Holiday Inn
Express Times Square offers comfortable accommodations near New York's biggest
attractions. With Times Square and Broadway outside the door, you'll find it easy
getting to and from your New York City destinations. Other well known New York
attractions such as the Empire State Building, Broadway and Central Park are
within a few blocks of the hotel in Manhattan. For the business traveler, there
are many major New York business attractions located near the hotel in New York
City. Major headquarters including Merrill Lynch, Legg Mason and Ernst and Young
are all within walking distance of the New York City accommodations. With the
hotel's convenient Manhattan location, you can make it on time to all your New
York City meetings.",
    "city_code": "C!000961",
    "category": 3,
    "booking_items": [
      {
        "rooms": [
          {
            "room_type": "Standard King",
            "room_reference": "4dhf3nj64qxc5wa",
            "pax_ids": [
              1
            ],
            "no_of_children": 0,
            "no_of_adults": 2
          }
        ],
        "includes_boarding": false
      },
      {
        "rooms": [
          {
            "room_type": "Standard King",
            "room_reference": "4dhf3nj64qxc5wi",
            "pax_ids": [
              2
            ],
            "no_of_children": 0,
            "no_of_adults": 2
          }
        ],
        "includes_boarding": false
      }
    ],
    "address": "343 West 39th Street New York City New York 10018 West 39th
Street"
  },

```

```
"holder": {
  "title": "Mr.",
  "surname": "Test",
  "phone_number": "6614565589",
  "name": "Test",
  "email": "james@pat.com"
},
"checkout": "2017-05-27",
"checkin": "2017-05-26",
"booking_type": "B",
"booking_status": "confirmed",
"booking_reference": "orlepce7o4q4itdtzuhvf5rwva",
"booking_id": "GRN-201703-001864",
"booking_date": "2017-03-06T05:41:50"
}
```

Note:

Voucher will not have price related fields and cancellation policies.

It will have the following additional fields:

Attribute	Type	Description
supplier_reference	string	supplier booking reference
supplier_code	string	supplier name
voucher_issue_date	datetime	Voucher generated date and time

17. Static Assets

All required static assets can be downloaded from the following url.

URL : <https://cdn.grnconnect.com/static-assets/>

The above link will contain the master data for the following:

- Country codes
- Destination codes
- City codes
- Airport codes
- Currency codes
- Hotels

17.1 Countries

You can use this method to fetch

1. All the countries and their details
2. Country details based on the country code.

17.1.1 Get Countries

Method	Endpoint
GET	<code>api/v3/countries</code>

Sample Response

```
{
  "total": 2,
  "countries": [
    {
      "name": "Zimbabwe",
      "code3": "ZWE",
      "code": "ZW"
    },
    {
      "name": "Zambia",
      "code3": "ZMB",
      "code": "ZM"
    }
  ]
}
```

17.1.2 Get Country details using Country code

Method	Endpoint
GET	api/v3/countries/<country_code>

Sample Get Country details using Country code request

Method	Endpoint
GET	api/v3/countries/ZW

Sample Response

```
{
  "total": 1,
  "country": {
    "name": "Zimbabwe",
    "code3": "ZWE",
    "code": "ZW"
  }
}
```

17.2 Destinations

You can use this method to fetch

1. All the destinations and their details
2. Destination details based on the Destination code
3. All the Destinations available in the Country.

17.2.1 Get Destinations

Method	Endpoint
GET	api/v3/destinations

Sample Response

```
{
  "total": 2,
  "destinations": [
    {
      "code": "D!000683",
      "name": "Aarhus",
      "country": "DK"
    },
    {
      "code": "D!001447",
      "name": "Abchasien",
      "country": "GE"
    }
  ]
}
```

17.2.2 Get Destination details using destination code

Method	Endpoint
GET	api/v3/destinations/<destination_code>

Sample Request

Method	Endpoint
GET	api/v3/destinations/D!000683

Sample Response

```
{
  "total": 1,
  "destination": {
    "code": "D!000683",
    "name": "Aarhus",
    "country": "DK"
  }
}
```

17.2.3 Get Destinations available in the Country

Method	Endpoint
GET	api/v3/destinations?country=<country_code>

Sample Request

Method	Endpoint
GET	api/v3/destinations/?country=DZ

Sample Response

```
{
  "total": 2,
  "destinations": [
    {
      "code": "D!000890",
      "name": "Algeria",
      "country": "DZ"
    },
    {
      "code": "D!000891",
      "name": "Algeria",
      "country": "DZ"
    }
  ]
}
```

17.3 Cities

You can use this method to fetch

1. All the Cities and their details
2. City details based on the City code
3. All the Cities available in the Country.
4. All the Cities available in the Destination.

17.3.1 Get Cities Request

Method	Endpoint
GET	api/v3/cities/

Sample Response

```
{
  "total": 2,
  "cities": [
    {
      "name": "Zaafaranah, Red Sea, Egypt, EG",
      "code": "C!000001"
    },
    {
      "name": "Dahab, Sinai, Egypt, EG",
      "code": "C!000002"
    }
  ]
}
```

17.3.2 Get City Details using City code

Method	Endpoint
GET	api/v3/cities/<city_code>

Sample Request

Method	Endpoint
GET	api/v3/cities/C!000001

Sample Response

```
{
  "total": 1,
  "city": {
    "name": "Zaafaranah, Red Sea, Egypt, EG",
    "dest_code": "D!001031",
    "country": "EG",
    "code": "C!000001"
  }
}
```

17.3.3 Get Cities available in the Country

Method	Endpoint
GET	api/v3/cities?country=<country_code>

Sample Request

Method	Endpoint
GET	api/v3/cities?country=IN

Sample Response

```
{
  "total": 2,
  "cities": [
    {
      "name": "South 24 Parganas, West Bengal, India, IN",
      "code": "C!076452"
    },
    {
      "name": "Abohar, Punjab, India, IN",
      "code": "C!077294"
    }
  ]
}
```

17.3.4 Get Cities available in the Destination

Method	Endpoint
GET	api/v3/cities?destination=<destination_code>

Sample Request

Method	Endpoint
GET	api/v3/cities?destination=D!001031

Sample Response

```
{
  "total": 2,
  "cities": [
    {
      "name": "Hurghada",
      "dest_code": "D!001031",
      "country": "EG",
      "code": "C!000003"
    },
    {
      "name": "Zaafaranah",
      "dest_code": "D!001031",
      "country": "EG",
      "code": "C!000001"
    }
  ]
}
```

17.4 Airports

You can use this method to fetch

1. All the Airports and their details
2. Airport details based on the airport code.

17.4.1 Request

Method	Endpoint
GET	api/v3/airports/

Sample Response

```
{
  "total": 1,
  "airports": [
    {
      "name": "Rome State Airport",
      "code": "A!REO",
      "city_name": "Rome"
    }
  ]
}
```

17.4.2 Get Airport Details using Airport code

Method	Endpoint
GET	api/v3/airports/<airport_code>

Sample Request

Method	Endpoint
GET	api/v3/airports/A!REO

Sample Response

```
{
  "total": 1,
  "airport": {
    "name": "Rome State Airport",
    "code": "A!REO",
    "city_name": "Rome"
  }
}
```

17.5 Currencies

You can use this method to fetch

1. All the Currencies and their details
2. Currency details based on the currency code.

17.5.1 Get Currencies Request

Method	Endpoint
GET	api/v3/currencies/

Sample Response

```
{
  "total": 1,
  "currencies": [
    {
      "name": "Euro",
      "code": "EUR"
    }
  ]
}
```

17.5.2 Get Currency details using currency code

Method	Endpoint
GET	api/v3/currencies/<currency_code>

Sample Request

Method	Endpoint
GET	api/v3/currencies/EUR

Sample Response

```
{
  "total": 1,
  "currency": {
    "name": "Euro",
    "code": "EUR"
  }
}
```

17.6 Hotels

You can use this method to fetch

1. Static data for hotels using Country Code.
2. Static data for hotels using Destination Code.
3. Static data for hotels using City Code.
4. Static data for hotels using Airport Code.
5. Static data for single hotel using Hotel Code.

17.6.1 Get Hotels for the Country Request

Method	Endpoint
GET	api/v3/hotels/?country=<country>

Sample Request

Method	Endpoint
GET	api/v3/hotels/?country=IN

Sample Response

```
{
  "hotels": [
    {
      "postal_code": "302001",
      "name": "Hotel Jai Singh Palace",
      "longitude": "75.806907016667",
      "latitude": "26.918670033333",
      "facilities": "meeting rooms 2; total number of rooms - 28; safety deposit boxes; desk; free toiletries; rollaway/extra beds (surcharge); check-out time is noon; ceiling fan; mastercard payment cards accepted; taxi service; dry cleaning/laundry service; visa payment cards accepted; currency exchange; visa; free self parking; free wi-fi in all rooms; safe-deposit box at front desk; express check-in/check-out; restaurant; english languages spoken; iron/ironing board (on request); barbecue grill(s); luggage storage; wi-fi in public areas; 24-hour front desk; check-in time starts at noon; fireplace; hair dryer (on request); concierge services; room service (limited hours); 24-hour security; mastercard; laundry service; ticket service; tours/ticket assistance; elevator; check-in time ends at noon; free wifi; no cribs (infant beds) available; rooftop terrace; family room; garden; free newspapers in lobby; tours; car park; pets not allowed; private check in/check out; room service; airport transfer; hindi languages spoken; business center; minimum check-in age is 18; newspapers; concierge; free newspaper; smoking area; elevator/lift; laundry facilities",
      "dest_code": "D!000853",
      "description": "Property Location Located in Jaipur (M.I. Road), Hotel Jai Singh Palace is convenient to Ram Niwas Gardens and Birla Auditorium. This hotel is within close proximity of Central Museum and Heaven-Piercing Minaret.Rooms Treat yourself to a stay in one of the 28 guestrooms, featuring fireplaces.
```

Conveniences include desks and complimentary newspapers, and you can also request irons/ironing boards. Amenities Take in the views from a rooftop terrace and a garden and make use of amenities such as complimentary wireless Internet access. Additional amenities include concierge services and barbecue grills. Dining Enjoy a meal at a restaurant, or stay in and take advantage of the hotel's room service (during limited hours). Business, Other Amenities Featured amenities include a business center, complimentary newspapers in the lobby, and dry cleaning/laundry services. Free self parking is available onsite.",

```
"country": "IN",  
"code": "H!0393090",  
"city_code": "C!008896",  
"category": "2.5",  
"address": "Gopinath Marg M.I. Road Jaipur 302001 Rajasthan"
```

```
},  
{
```

```
"postal_code": "695 001",  
"name": "The Capital - Trivandrum City",  
"longitude": "76.947054",  
"latitude": "8.494404",  
"facilities": "safety deposit boxes; desk; mastercard payment cards
```

accepted; american express payment cards accepted; ironing facilities; check-out time is 11 am; complimentary bottled water; dry cleaning/laundry service; visa payment cards accepted; 24-hour business center; 24-hour room service; currency exchange; coffee/tea maker; free wi-fi in all rooms; satellite/cable tv; restaurant; english languages spoken; internet access - wireless (complimentary); private bathroom; wi-fi in public areas; wifi (surcharge); 24-hour front desk; check-in time starts at noon; total number of rooms - 37; in-room safe; concierge services; flat screen television; mini bar; air conditioning; laundry service; bathrobes; room service (24 hours); television; elevator; facilities for disabled guests; check-in time ends at noon; shower; tours; internet access - wireless; garden; car park; room service; airport transfer; hindi languages spoken; fan; coffee shop; newspapers; daily newspaper; one meeting room; dry cleaning; smoking area; pets allowed",

```
"dest_code": "D!000882",
```

```
"description": "Property Location Located in Thiruvananthapuram, The Capital - Trivandrum City is minutes from Trivandrum Secretariat and close to Shri Padmanabhaswamy Temple. This hotel is within close proximity of Thiruvananthapuram Zoo and Napier Museum. Rooms Make yourself at home in one of the 37 guestrooms. Conveniences include safes and coffee/tea makers. Amenities Make use of convenient amenities, which include wireless Internet access (surcharge) and concierge services. Dining Enjoy a meal at a restaurant, or stay in and take advantage of the hotel's 24-hour room service. Business, Other Amenities Featured amenities include a 24-hour business center and dry cleaning/laundry services.",
```

```
"country": "IN",  
"code": "H!0248067",  
"city_code": "C!027157",  
"category": "3",  
"address": "Near GPO Pulimoodu Thiruvananthapuram 695 001"
```

```
}
```

```
],  
"total": 20542
```

```
}
```

17.6.2 Get Hotels for the Destination Request

Method	Endpoint
GET	api/v3/hotels?destination=<destination>

Sample Request

Method	Endpoint
GET	api/v3/hotels/?destination=D!000283

Sample Response

```
{
  "hotels": [
    {
      "postal_code": "00185",
      "name": "The Opera",
      "longitude": "12.492932",
      "latitude": "41.900392",
      "facilities": "free breakfast; safety deposit boxes; desk; express
check-out; mastercard payment cards accepted; american express payment cards accepted;
check-out time is 11 am; spanish languages spoken; balcony/terrace; in room safe; visa
payment cards accepted; visa; soundproofed rooms; free wi-fi in all rooms;
satellite/cable tv; restaurant; diners club; english languages spoken; iron/ironing
board (on request); area shuttle (surcharge); airport transportation (surcharge);
internet access - wireless (complimentary); private bathroom; wi-fi in public areas;
24-hour front desk; check-in time starts at noon; in-room climate control (air
conditioning); number of floors - 5; total number of rooms - 14; in-room safe;
concierge services; bidet; flat screen television; mini bar; air conditioning;
mastercard; room service (limited hours); led tv; television; non smoking rooms;
elevator; shuttle service; bar; shower; free wifi; tours; rooftop terrace; family room;
garden; italian languages spoken; hair dryer; pets not allowed; room service; airport
transfer; minibar; shower only; coffee shop; american express; concierge; smoking area;
express check-in; shops; elevator/lift; free wired high-speed internet; bathtub",
      "dest_code": "D!000283",
      "description": "Located on Via Nazionale - one of Rome's best known
streets and finest shopping areas, you'll find we're deep in the heart of the city's
commercial and historical centre. The National Opera Theatre, from which we take our
name, is just a few minutes away on foot, as is Piazza Venezia, Piazza Della Repubblica
and the Trevi Fountain.",
      "country": "IT",
      "code": "H!0125511",
      "city_code": "C!001175",
      "category": "3",
      "address": "Via Nazionale 36 00185 Rome"
    },
    {
      "postal_code": "00178",
      "name": "Appia Park",
      "longitude": "12.550872",
      "latitude": "41.839206",
      "facilities": "security safe (room); free breakfast; ironing
facilities; in room safe; visa; parking - onsite; restaurant; voltage 220v; ironing
amenities (on request); wi-fi in public areas; internet corner; elevator; large sized
```

```

lobby; tours; garden; free newspapers in lobby; direct-dial telephone; room service;
shower only; concierge; express check-in; desk; seating area; connection for laptop;
balcony/terrace; dry cleaning/laundry service; free self parking; soundproofed rooms;
number of floors - 2; air conditioning (room); year built 1999; satellite television;
iron/ironing board (on request); free wi-fi (public areas); 24-hour front desk; air
conditioned (public areas); disabled facilities; snack bar/deli; air conditioning;
balcony; free wi-fi; television; shower; premium bedding; free wifi; number of
buildings/towers - 3; babysitting available; flat-panel tv; hair dryer; high-speed
internet; jcb international; airport transfer; one meeting room; computer station;
elevator/lift; car rental services; free toiletries; restaurant(s); babysitting;
wedding services; work desk; 2 lifts; non-smoking rooms; free wi-fi in all rooms; no
rollaway/extra beds available; diners club; airport transportation (surcharge);
internet access - wireless (complimentary); check-in time starts at noon; fitness
center; in-room safe; flat screen television; mastercard; tours/ticket assistance; bar;
daily housekeeping; gym; pets not allowed; dial-up internet; bar(s); room service from
6:30 to 23:59; breakfast room; fitness facilities; conference facilities; earliest
check-in at 11:00; safety deposit boxes; total number of rooms - 102; check-out time
is noon; satellite/cable tv; rainfall showerhead; hairdryer; luggage storage; private
bathroom; dvd/cd player; hypo-allergenic bedding available; bidet; mini bar;
bar/lounge; laundry service; coach parking; coffee shop or café; no cribs (infant beds)
available; business centre; car park; minibar; business center; american express; limo
or town car service available; multilingual staff; 2 floors; satellite tv service",
  "dest_code": "D!000283",
  "description": "Appia Park Hotel is an elegant hotel surrounded by
greenery and located at only 5 km from Ciampino Airport and just 7 km from the
historical center of Rome and the EUR district (Viale Europa). It features comfortable
rooms with private balconies at 10 minutes drive from junction 24 of the GRA Highway.
The comfortable rooms are decorated in an elegant and functional style and are equipped
with satellite TV with Sky channels, Wi-Fi internet connection, minibar and safe. At
guests' disposal there is also a bar, a restaurant, a parking, fitness area, a business
corner and a conference center consisting of spacious and elegant meeting rooms with a
maximum capacity of about 300 people. The property is located close to many points of
interest: at 500 meters from the Villa of Quintiles, 1 km from the golf club \"Holy
Water\", 3 Km from the Cinecitta film studios. In addition, at less than 3 km from the
hotel there is the metro stop \"Arco di Travertino\" (line A), it will easily take you
to the city center. The airport Leonardo da Vinci Fiumicino Airport is only 25
kilometers away.",
  "country": "IT",
  "code": "H!0086409",
  "city_code": "C!001175",
  "category": "4",
  "address": "Via Appia Nuova 934 00178 Roma"
}
],
"total": 2970
}

```

17.6.3 Get Hotels for the City Request

Method	Endpoint
GET	api/v3/hotels/?city=<city>

Sample Request

Method	Endpoint
GET	api/v3/hotels/?city=C!001118

Sample Response

```
{
  "hotels": [
    {
      "postal_code": "89109",
      "name": "Las Vegas Suites at The Signature",
      "longitude": "-115.166616",
      "latitude": "36.107998",
      "facilities": "mastercard; check-in time starts at 3:00 pm; no rollaway/extra beds available; refrigerator; free toiletries; shared bathroom; check-out time is noon; fitness facilities; free valet parking; free wifi; no cribs (infant beds) available; visa; kitchen; cable tv service; outdoor pool; shower/tub combination; minimum check-in age is 21; pets not allowed; sofa bed",
      "dest_code": "D!000403",
      "description": "Property Location With a stay at SpareTime Resorts at The Signature Condo Hotel in Las Vegas (East of The Strip), you'll be convenient to Crystals at City Center and University of Nevada-Las Vegas. This vacation home is within close proximity of Miracle Mile Shops and T-Mobile Arena.Rooms Make yourself at home in of the guestrooms, featuring kitchens. Complimentary wireless Internet access keeps you connected, and cable programming is available for your entertainment. Conveniences include refrigerators and sofa beds.Amenities Enjoy recreational amenities such as an outdoor pool and a fitness center.Business, Other Amenities Free valet parking is available onsite.",
      "country": "US",
      "code": "H!0401956",
      "city_code": "C!001118",
      "category": "4",
      "address": "135 East Harmon Avenue Las Vegas Nevada 89109"
    },
    {
      "postal_code": "89109",
      "name": "Harrah's Las Vegas",
      "longitude": "-115.17220949696",
      "latitude": "36.120019507539",
      "facilities": "alarm clock; discover; american express payment cards accepted; ironing facilities; spanish languages spoken; in room safe; visa; restaurant; separate shower and tub; wi-fi in public areas; breakfast available (surcharge); only dogs are allowed; concierge services; atm/banking; conference space size (feet) - 25000; elevator; tours; internet access - lan; room service; shower only; concierge; conference space size (meters) - 2323; free valet parking; pet maximum weight in lb is 50; conference space; conference center; shops; pets allowed; phone; porter/bellhop; bathtub; nightclub; desk; seating area; visa payment cards accepted; dry cleaning/laundry service; shopping on site; telephone; 24-hour room service; cable tv
```

```

service; free self parking; iron/ironing board; number of restaurants - 6; hair salon;
health club; safe-deposit box at front desk; english languages spoken; blackout
drapes/curtains; 24-hour front desk; casino; internet access - lan (charges apply); air
conditioning; television; shower; free wifi; hair dryer; spa; salon; daily newspaper;
one meeting room; in room video games; elevator/lift; in-room safe (laptop compatible);
number of bars/lounges - 4; free wired high-speed internet; hot tub; discover card
payment cards accepted; free toiletries; poolside bar; express check-out; wedding
services; check-out time is 11 am; steamroom; minimum check-in age is 21; no
rollaway/extra beds available; total number of rooms - 2,526; toiletries; diners club;
valet parking; spa treatment room(s); in-room climate control (air conditioning);
fitness center; check-in time ends at 4 pm; flat screen television; outdoor seasonal
pool; mastercard; room service (24 hours); facilities for disabled guests; bar; pay
movies; daily housekeeping; free area shuttle; gift shops or newsstand; outdoor pool;
sauna; diners club payment cards accepted; full-service spa; check-in time starts at 4
pm; safety deposit boxes; massage; pool sun loungers; pool cabanas (surcharge);
atm/cash machine on site; coffee/tea maker; internet access - wireless (charges apply);
satellite/cable tv; maximum number of pets per room 2; private bathroom;
hypo-allergenic bedding available; mini bar; laundry service; inhouse movies; coffee
shop or café; non smoking rooms; spa tub; heating; no cribs (infant beds) available;
car park; spa services on site; minibar; business center; american express; limo or
town car service available; smoking area; multilingual staff",
  "dest_code": "D!000403",
  "description": "The Harrah's Las Vegas Casino & Hotel is
strategically located in the renowned Las Vegas Strip, a very convenient location for
those who wish to discover the most vibrant side of the city. A monorail stop is
located at this property, and a daily complimentary shuttle to other Harrah's
Entertainment properties is also available. The hotel provides a professional and 24
hour service and boasts incredible facilities for entertainment and relaxation.",
  "country": "US",
  "code": "H!0078316",
  "city_code": "C!001118",
  "category": "3",
  "address": "3475 Las Vegas Boulevard South Las Vegas Nevada 89109"
}
],
"total": 262
}

```

17.6.4 Get Hotels for the Airport Request

Method	Endpoint
GET	api/v3/hotels/?airport=<airport>

Sample Request

Method	Endpoint
GET	api/v3/hotels/?airport=A!CIA

Sample Response

```
{
  "hotels": [
    {
      "postal_code": "00184",
      "name": "Salotto Monti",
      "longitude": "12.4865",
      "latitude": "41.8997",
      "facilities": "library; desk; free toiletries; down comforter; check-out time is 11 am; egyptian-cotton sheets; visa; coffee/tea maker; soundproofed rooms; no rollaway/extra beds available; luggage storage; airport transportation (surcharge); private bathroom; check-in time starts at 2 pm; breakfast available (surcharge); front desk (limited hours); smoke-free property; concierge services; room service (limited hours); air conditioning; mastercard; debit cards not accepted; number of floors - 3; tours/ticket assistance; daily housekeeping; premium bedding; free wifi; heating; rooftop terrace; cruise terminal shuttle (surcharge); flat-panel tv; hair dryer; pets not allowed; number of buildings/towers - 1; minibar; shower only; minimum check-in age is 18; year built 2014; check-in time ends at 9:30 pm; multilingual staff; elevator/lift; in-room safe (laptop compatible); laundry facilities; phone; total number of rooms - 15",
      "dest_code": "D!000283",
      "description": "Property Location A stay at Salotto Monti places you in the heart of Rome, walking distance from Palazzo Valentini and Trajan's Market. This guesthouse is close to Roman Forum and St. Peter's Basilica.Rooms Make yourself at home in one of the 15 air-conditioned rooms featuring minibars and flat-screen televisions. Your bed comes with down comforters and Egyptian cotton sheets. Complimentary wireless Internet access is available to keep you connected. Private bathrooms with showers feature complimentary toiletries and hair dryers.Amenities Take in the views from a rooftop terrace and make use of amenities such as complimentary wireless Internet access and concierge services.Dining Take advantage of the guesthouse's room service (during limited hours).Business, Other Amenities Featured amenities include multilingual staff, luggage storage, and laundry facilities. For a surcharge, guests may use a roundtrip airport shuttle (available 24 hours) and a cruise ship terminal shuttle.",
      "country": "IT",
      "code": "H!0469226",
      "city_code": "C!001175",
      "category": ".0",
      "address": "Via Della Consulta 1b Rione Monti 00184 Roma"
    }
  ],
  "total": 2250
}
```

17.6.5 Get Hotel Details for the Hotel Code

Method	Endpoint
GET	api/v3/hotels/?hcode=<hotel-code>

Sample Request

Method	Endpoint
GET	api/v3/hotels/?hcode=H!0469226

Sample Response

```
{
  "hotels": [
    {
      "postal_code": "00184",
      "name": "Salotto Monti",
      "longitude": "12.4865",
      "latitude": "41.8997",
      "facilities": "library; desk; free toiletries; down comforter; check-out time is 11 am; egyptian-cotton sheets; visa; coffee/tea maker; soundproofed rooms; no rollaway/extra beds available; luggage storage; airport transportation (surcharge); private bathroom; check-in time starts at 2 pm; breakfast available (surcharge); front desk (limited hours); smoke-free property; concierge services; room service (limited hours); air conditioning; mastercard; debit cards not accepted; number of floors - 3; tours/ticket assistance; daily housekeeping; premium bedding; free wifi; heating; rooftop terrace; cruise terminal shuttle (surcharge); flat-panel tv; hair dryer; pets not allowed; number of buildings/towers - 1; minibar; shower only; minimum check-in age is 18; year built 2014; check-in time ends at 9:30 pm; multilingual staff; elevator/lift; in-room safe (laptop compatible); laundry facilities; phone; total number of rooms - 15",
      "dest_code": "D!000283",
      "description": "Property Location A stay at Salotto Monti places you in the heart of Rome, walking distance from Palazzo Valentini and Trajan's Market. This guesthouse is close to Roman Forum and St. Peter's Basilica.Rooms Make yourself at home in one of the 15 air-conditioned rooms featuring minibars and flat-screen televisions. Your bed comes with down comforters and Egyptian cotton sheets. Complimentary wireless Internet access is available to keep you connected. Private bathrooms with showers feature complimentary toiletries and hair dryers.Amenities Take in the views from a rooftop terrace and make use of amenities such as complimentary wireless Internet access and concierge services.Dining Take advantage of the guesthouse's room service (during limited hours).Business, Other Amenities Featured amenities include multilingual staff, luggage storage, and laundry facilities. For a surcharge, guests may use a roundtrip airport shuttle (available 24 hours) and a cruise ship terminal shuttle.",
      "country": "IT",
      "code": "H!0469226",
      "city_code": "C!001175",
      "category": ".0",
      "address": "Via Della Consulta 1b Rione Monti 00184 Roma"
    }
  ],
  "total": 1
}
```