

XTravelSystem Web Service. HOTEL Handler

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DESCRIPTION

This document includes the description of all the methods from to get a hotel availability to confirm a hotel booking.

In the file MAN_xts_WSClientSpec_en_base you will find a group of tips and recommendations for the correct use of our API that must be reviewed before carrying out any development.

Our system is dynamic and does not work with a session identifier, therefore it is important to follow a booking flow that contains the 3 steps of availability + valuate + confirm.

In this sense, the valuate is a basic request in the booking flow, it allows us to make sure to send you the cancellation policies and it's the best way to control any possible change. This message allows to check the price, cancellation terms and any other main information (like Erratas), for a specific selection.

A client can send as many Valuates as needed in the booking process, but at least one must be sent embedded within the booking confirm request to be sure that the final price, cancellation terms and any other main information (like Erratas) have not changed.

By other side it is also very important that only a few seconds pass between the valuate response and the confirmation request

TEST ENVIRONMENT ACCESS

WSDL: https://live.easytravelsystem.com/public/v1_0rc1/hotelBookingHandler?WSDL (Also http)
Endpoint: https://live.easytravelsystem.com/public/v1_0rc1/hotelBookingHandler (Also http)

GENERAL CONDITIONS

The dates have this format: YYYY-MM-DDTHH24:MM:SS. Example: 2018-11-02T12:00:00
To avoid problems with different time zones always use the time format as YYYY-MM-DDT**12:00:00**

METHODS

getEstablishmentCategories.

It returns all available establishment (hotel) categories.

getEstablishmentCategories Request

agencyCode (required)	Agency code. Unique code for each customer.
brandCode (required)	Brand code. Same code for all methods.
pointOfSaleId (required)	Point of Sale. Same code for all methods.
language (required)	Language sent in the response.

getEstablishmentCategories Response

[establishmentCategories]		establishmentCategories item composed of code , group and name
	code	Establishment category code
	group	Establishment category group
	name	Establishment category name

getEstablishmentCategoryGroup.

It returns all available establishment (hotel) category groups.

getEstablishmentCategoryGroup Request

agencyCode (required)	Agency code. Unique code for each customer.
brandCode (required)	Brand code. Same code for all methods.
pointOfSaleId (required)	Point of Sale. Same code for all methods.
language (required)	Language sent in the response.

getEstablishmentCategoryGroup Response

[establishmentCategories]		establishmentCategories item composed of code and name
	Code	Establishment category group code
	Name	Establishment category group name. Values: UNO, DOS, TRES, CUATRO, CINCO, VARIOS. Currently not translated, note that: UNO = category group one DOS = category group two TRES = category group three CUATRO = category group four CINCO = category group five VARIOS = category group various

getEstablishmentDataExtendsV22

It returns all available establishment (hotel) data: hotel data sheet. Extended Login added.

getEstablishmentDataExtendsV22 Request

agencyCode (required)	Agency code. Unique code for each customer.
brandCode (required)	Brand code. Same code for all methods.
pointOfSaleId (required)	Point of Sale. Same code for all methods.
establishmentId (required)	Establishment code.
language (required)	Language sent in the response.
onlySelectedLanguage	If true, the response will hide the contents not translated to requested language. If false, the response will show in English the not translated contents.
extendedLogin	If known, you can inform the connection source country and the distribution channel (B2B or B2C).
loginCountry	Country code. ISO alfa-2: ES, DE, GB, US,... To be filled always along with mainNationality. Informative. Must contain same value as mainNationality
mainNationality	Country code. ISO alfa-2: ES, DE, GB, US,... To inform the source market country. It will be used to choose the rates that are valid for the specified market distribution.
channel	Values: B2B or B2C

getEstablishmentDataExtendsV22 Response

additionalInformation	Additional establishment information.
Address	Address item.
Address	Postal address
cityCode	City code (can be used in availableHotelsByMultiQuery method)
cityName	City name
countryCode	Country code (no availability search uses this code)
countryName	Country name
districtCode	District code
districtName	District name
email	e-mail

fax		Fax number	
name		Postal address	
stateCode		State code (no availability search uses this code)	
stateName		State name	
telephone		Telephone number	
zipCode		Postal code	
categoryCode		Category code.	
categoryName		Category name.	
comments		Comments item (same as Erratas). Erratas are required data to be shown to final clients before confirming a booking	
	text	Comment (errata) text. Includes validity dates.	
	type	Comment (errata) type. Value: ERRATA	
date		Request date	
directions		Additional information regarding establishment address.	
EstablishmentTypes		Establishment type. Composed of code and name	
	code	Establishment type code	
	name	Establishment type name	
failure		Not in use.	
id		Establishment id.	
imageGroups		imageGroups item composed of code , images and name .	
	code		Image group code. Not in use
	images		Images item composed of date , source and Url
		date	Image date
		Source	Image source. Not in use
		url	Image Url
	name		Image group name. not in use

latitude		Establishment latitude		
locationInformation		Additional information regarding the establishment environment.		
longDescription		Establishment longDescription		
Longitude		Establishment longitude		
Name		Establishment name.		
propertiesGroups		Properties groups’ item. Composed of code , name and properties .		
	code		Properties group code	
	name		Properties group name	
	properties		Properties item. Composed of code , name and value .	
		code		Property code
		name		Property name
		value		Property value. Values: <ul style="list-style-type: none">- YES if this is a YES/NO property or- Free text.
roomsInformation		Additional information regarding establishment rooms distribution.		
shortDescription		Establishment short description.		
typeCode		Establishment type code		
typeName		Establishment type name		
xmlUri		Not in use.		
pricingAgencyCode		For Jumbonline use only.		

getEstablishmentTypes

It returns all establishment (hotel) types

getEstablishmentTypes Request

agencyCode (required)	Agency code. Unique code for each customer.
brandCode (required)	Brand code. Same code for all methods.
pointOfSaleId (required)	Point of Sale. Same code for all methods.
language (required)	Language sent in the response.

getEstablishmentTypes Response

establishmentTypes	establishmentTypes item. Composed of code and name.	
	code	Establishment type code
	Name	Establishment type name

getEstablishmentByNameV22

It returns all establishment (hotel) according search criteria. Extended Login added.

getEstablishmentByNameV22 Request

agencyCode (required)		Agency code. Unique code for each customer.
brandCode (required)		Brand code. Same code for all methods.
pointOfSaleId (required)		Point of Sale. Same code for all methods.
areaCode		Area code. NOTE: See geographic structure related methods in CommonsHandler service. Also see xls files at https://www.jumbotours.com/documents-clients-api-specs/ to fully understand the geographic structure.
citycode		City code. NOTE: See geographic structure related methods in CommonsHandler service. Also see xls files at https://www.jumbotours.com/documents-clients-api-specs/ to fully understand the geographic structure.
establishmentCategories		One or more category groups. See getEstablishmentCategoryGroup.
establishmentTypes		One or more type groups.
fromRow (required)		From which row (Hotel) the response will be formed. You can set it at 0, but it is a required parameter.
language (required)		Language sent in the response.
numRows (required)		Number of rows (Hotels) sent by the response.
productCode		Product code.
searchName		Hotel name (or part of it) to be used in this search
extendedLogin		If known, you can inform the connection source country and the distribution channel (B2B or B2C).
	loginCountry	Country code. ISO alfa-2: ES, DE, GB, US,... To be filled always along with mainNationality. Informative. Must contain same value as mainNationality
	mainNationality	Country code. ISO alfa-2: ES, DE, GB, US,...

		To inform the source market country. It will be used to choose the rates that are valid for the specified market distribution.
	channel	Values: B2B or B2C

getEstablishmentByNameV22 Response

fromRow		First row to be included in the response according to the request fromRow
toRow		Last row to be included in the response according to the request toRow
totalRows		Total rows (number of establishments) that verify the request params.
pricingAgencyCode		For Jumbonline use only.
result		result item. An establishment.
	categoryName	Category name.
	cityName	Establishment City name.
	countryName	Establishment country name
	establishmentId	Establishment code
	establishmentName	Establishment name
	address	Establishment Address
	latitude	Establishment Latitude
	longitude	Establishment Longitude
	picture	Always a URL starting “http://images.xtravelsystem.com”

getBoardTypesV22

It returns all establishment board types. Extended Login added.

getBoardTypesV22 Request

agencyCode (required)	Agency code. Unique code for each customer.
brandCode (required)	Brand code. Same code for all methods.
pointOfSaleId (required)	Point of Sale. Same code for all methods.
language (required)	Language sent in the response.
extendedLogin	If known, you can inform the connection source country and the distribution channel (B2B or B2C).
loginCountry	Country code. ISO alfa-2: ES, DE, GB, US,... To be filled always along with mainNationality. Informative. Must contain same value as mainNationality

mainNationality	Country code. ISO alfa-2: ES, DE, GB, US,... To inform the source market country. It will be used to choose the rates that are valid for the specified market distribution.
channel	Values: B2B or B2C

getBoardTypesV22 Response

[boardTypes]	boardtypes item composed of code and name
code	Board type code
id	Boardtype ID
name	Board type name
pricingAgencyCode	For Jumbonline use only.

AvailableHotelsByMultiQueryV22

This method will return availability and price for selected hotels, according to the search criteria. Several codes can be sent in the same request, even mixed criteria: for example: two cities, one area, three hotels and one district. In this case system will return availability for all product selected by criteria. Possible codes are: area codes, city codes, hotel codes, district codes and coordinates. Each price comes uniquely identified by a rateplancode and with different conditions and rates. The rateplan code defines a price, a roomtype (which belongs to a more generic "room type category"), a boardtype, a list of rates and a set of additional conditions described in rateplan description. It is a code that allows us to provide stability to our booking flow and minimize the changes that may occur in a dynamic and sessionless system like ours, this code contains information about the room type, regime, rate, as well as a succession of characters that uniquely identify the price and the conditions offered in a result.

Regarding the use of the rateplancode, the most important thing is:

- It is a unique identifier, even in the case you request a multi room booking for the same combination of room type, regime and rate, the booking request must be done using a different RPC for each room and included under the same <roomCombinations> node
- It is very important that the RPC used is always the last one obtained, i mean, in a booking flow Availability + Valuation + Confirmation, the RPC obtained in availability response should be used in the valuate request and the RPC obtained in the valuate response should be used in the confirmation request ... this code may not change in the booking flow, especially with our own product, but in case it changes it is important that this aspect is taken into account. This code represents this price uniquely and is needed to perform valuation and confirmation

This version works with the new login, where our client can choose between the well-known login and a new login with a country basis. Right now, our clients could work with a unique client code, and then they should inform us the country where the final client is connecting from, and (optionally, and if known) the nationality of the final client.

This version includes the availability search by coordinates and it allows to filter by one or more rates.

Another new functionality is the capability to add all the pax nationalities if they are known at availability stage. It could help to avoid trouble at check-in in some hotels.

availableHotelsByMultiQueryV22 Request

agencyCode	Agency code. Unique code for each customer. To be filled always with brandCode and pointOfSaleId
brandCode	Brand code. Same code for all methods. To be filled always with agencyCode and pointOfSaleId.
pointOfSaleId	Point of Sale. Same code for all methods. To be filled always with agencyCode and brandCode.
language (required)	Language sent in the response.
checkin (required)	Check in date.
checkout (required)	Check out date. More than 60 days bookings are not allowed.
occupancies (required)	<p>Range with the requested paxes allotment. Maximum number of occupancies: 3 (occupancies [0], occupancies [1], occupancies [2]). For each occupancy[i]:</p> <ul style="list-style-type: none"> - adults (required): number of adult pax, minimum value: 1 - children (required): number of children pax, minimum value: 0 - childrenAges (required if children <> 0): <u>Note that a childrenAges parameter is required for each child.</u> This value is used to value the booking. Values: <ul style="list-style-type: none"> - 0 to 16: (example: for a child 5 years and 4 months old, childrenAges = 5) <p>NOTE: generally, in XTS contracts:</p> <ul style="list-style-type: none"> - from 0 to 2 years old (childrenAges values: 0 or 1): infants. - from 2 to 12 years old (childrenAges values: 2 to 11): children. - from 12 years old (childrenAges values: from 12): adults. <p>Generally, but not always. The children ages range is defined by each hotel. XTS can change the pax type accordingly with the ages range defined by hotel.</p> <ul style="list-style-type: none"> - numberOfRooms (required): number of rooms for this occupancy, minimum value: 1. <u>Note that total paxes per occupancy is (children + adults) * numberOfRooms.</u> <p>For more than 1 room with children, all the childrenAges must be informed.</p> <ul style="list-style-type: none"> - 2 rooms with 2AD and 1CH should inform two childrenAges into the occupancies.
establishmentName	Hotel name: to filter responses by this value. Only hotels which name matches this value completely or partially will be sent in the response.
establishmentCategories	<p>EstablishmentcategoryGroup: to filter responses by this value. A range of establishments can be sent. Values: 1 to 5 (<u>not directly equivalent to hotel stars rating. see notes below</u>)</p> <p>NOTE: Use getEstablishmentCategoryGroup method to retrieve all available establishment category groups.</p> <p>NOTE: to find relationships between categories and establishment category groups use method getEstablishmentCategories.</p>
establishmentTypes	Hotel types: to filter responses by this value. A range of establishmentTypes can be sent. Values for establishmentTypes[i] :

	<ul style="list-style-type: none"> - 1: Generic - 2: Business - Etc. <p>NOTE: Use getEstablishmentTypes method to retrieve all available establishment types.</p>
includeEstablishmentData	<p>Default value: true.</p> <ul style="list-style-type: none"> - true: to include hotel data in response. - false: not to include hotel data in response.
maxRoomCombinations PerEstablishment (required)	<p>Max number of room combinations (hotel, boardbasis, roomtype, price) in response. Minimum value: 1 Recommended value=100</p>
fromPrice (required)	<p>Minimum booking price to be sent in the response. Minimum value: 0 You can set it at 0, but it is a required param.</p>
toPrice (required)	<p>Maximum booking price to be sent in the response. You can set it at 999999, but it is a required parameter.</p>
fromRow (required)	<p>From this row (Hotel) the response will be formed. Minimum value: 0</p>
numRows (required)	<p>Number of rows (Hotels) sent by the response.</p>
onlyOnline	<p>By default: True:</p> <ul style="list-style-type: none"> - true: only on-line results - false: include on-request results
orderBy	<p>Order results by different criteria. Values:</p> <ul style="list-style-type: none"> - CATEGORY ORDERING,[ASC/DESC]: Order by hotel category. - ESTNAME ORDERING,[ASC/DESC]: Order by hotel name. - ZONE ORDERING,[ASC/DESC]: order by District name. - PRICE ORDERING,[ASC/DESC]: order by price. <p>You can add either “ASC” or “DESC” to make ordering ascendent or descendent. Default is ASC.</p>
<p>NOTE: one of the following objects (areaCode, cityCode , establishmentId, districtCode or coordinates) is required. Not sending any code will return an error response FAULT5. You can send several object/codes combinations (for instance: 3 establishmentId’s + 2 cityCodes)</p>	
areaCode	<p>Geographic area code. NOTE: See geographic structure related methods in CommonsHandler service. Also see xls files at https://www.jumbotours.com/documents-clients-api-specs/ to fully understand the geographic structure. A range of areacode tags may be sent. Only a value for each tag.</p>
cityCode	<p>City code. NOTE: See geographic structure related methods in CommonsHandler service. Also see xls files at https://www.jumbotours.com/documents-clients-api-specs/ to fully understand the geographic structure. A number of cityCode tags may be sent. Only a value for each tag.</p>

establishmentId	Establishment code. See establishment related methods to get this code: <i>getEstablishmentData</i> and <i>getEstablishmentsByName</i> . A range of establishmentId tags may be sent. Only a value for each tag.
districtCode	District code. There's a set of suitable district codes for main worldwide cities. See district related method to get this code: <i>getDistricts</i> in CommonsHandler. A range of districtCode tags may be sent. Only a value for each tag.
extendedLogin	If known, you can inform the connection source country and the distribution channel (B2B or B2C).
loginCountry	Country code. ISO alfa-2: ES, DE, GB, US,... To be filled always along with mainNationality. Informative. Must contain same value as mainNationality
mainNationality	Country code. ISO alfa-2: ES, DE, GB, US,... To inform the source market country. It will be used to choose the rates that are valid for the specified market distribution.
channel	Values: B2B or B2C
coordinates	The system works with coordinates in a circle basis. So, a center and a radius must be provided. All the available hotels into that defined circle will be included on the response.
latitude	Values: -180..180. Any other values will invalidate the coordinates. Latitude with up 5 decimal positions of the center of the circle where the hotels will be searched.
longitude	Values: -180..180. Any other values will invalidate the coordinates. Longitude with up 5 decimal positions of the center of the circle where the hotels will be searched.
radius	Values: 100-100.000. Values lower than 100, will be considered as 100. Values higher than 100.000 will be considered as 100.000. Radius of the circle in meters.
paxNationalities	
Nationality	Zero or more repetitions. Country on ISO-2 of one pax.
rateCode	Zero or more repetitions. If not filled, all the available rates will be obtained. Use this tag to filter the rates. Available rates can be asked using <i>getRatesV22</i> . We strongly recommend periodically send a getRatesV22 request to check what rates are available and the conditions of each one.

availableHotelsByMultiQueryV22 Response

Note that with this new method you will just need to handle rate plan codes instead of roomtype and board type codes in next booking steps, however you don't have to worry about all roomtypes available via XTRAVELSYSTEM, but only about room type categories, which are a limited set of.

availableHotels		availableHotels item. Availability response for one hotel. The response object may contain several availableHotels items.
	establishment	Establishment item
	address	Address item.
	address	Postal address
	cityCode	City code.
	cityName	City name
	countryCode	Country code (no availability search uses this code)
	countryName	Country name
	districtCode	District code
	districtName	District name
	email	e-mail
	fax	Fax number
	name	Address name. not in use.
	stateCode	State code (no availability search uses this code)
	stateName	State name
	telephone	Telephone number
	zipCode	Postal code
	categoryCode	Category code.
	categoryName	Category name.
	id	Establishment id.
	imageUrl	Url for the first image of this establishment.
	name	Establishment name.

shortDescription		Establishment short description. If no shortDescription is available, it returns longDescription.
weight		Establishment priority. Not in use
comments		
	from	Comment validity date from
	text	Comment text (value itself).
	to	Comment validity date to
	type	<p>Comment type. Values:</p> <ul style="list-style-type: none"> - PVP / Retail Price: The establishment works with retail prices. <p>Important Note: You only must to process the following values if Direct Client Payment = true.</p> <ul style="list-style-type: none"> - Direct Client Payment: in this case, text values = boolean (true or false) - Commissionable: in this case, text values = boolean (true or false) - NO SHOW: in this case, text values will be the % to be charged for no show. - ERRATA: Errata item. Erratas are mandatory information to be shown to final customers before confirming a booking, as they give key information about this booking.
moreCombinations		Value = false. Not in use.
[roomCombinations]		RoomCombinations item. Contains roomtype – board – price combinations
	prices	Prices item. Contains all available rate plans
	boardCategoryCode	<p>Board category code. Values:</p> <ul style="list-style-type: none"> ● BB: BED & BREAKFAST ● HB: HALF BOARD ● FB: FULL BOARD ● AI: ALL INCLUSIVE ● SC: SELF CATERING ● RO: ROOM ONLY
	boardTypeCode	<p>Board type code.</p> <p>Use the method getBoardTypesV2 to download the full list of boards.</p>

boardTypeName		Board type name
offer		True or false. True meaning an offer has been applied to this price
onRequest		True or false, Normally False if “True” response includes on-request results.
RoomPrices		Room prices item. Prices for one of the rooms
	comments	Information regarding room prices, [0..N] items.
	from	Not in use
	to	Not in use
	text	The value itself. See next note.
	type	<p>Comment type. Values:</p> <ul style="list-style-type: none"> - ERRATA: Errata item. Erratas are mandatory information to be shown to final customers before confirming a booking, as they give key information about this booking. - “Cancellation term “ : cancellation terms <u>by occupancy</u>. The format is as follows: [Release – Percent%]. <p>For example: 7 – 5.0% , means cancelling a booking from 7 days before checkin date has a 5.0% of total booking amount penalty.</p> <p>To consider the penalty days to calculate the amount penalty, the time zone of the hotel at destination will be taken into account</p> <ul style="list-style-type: none"> - “Cancellation email “ : email to request a manual booking cancellation. - “Sales Commission percent” : Commission applied - “Sales Commission amount” : Amount of the previous percent applied to the room price. - “PVP/Binding retail price amount “: this element states the binding price for net prices agencies. - NO SHOW: in this case, text values will be the % to be charged for no show.
errataType		Example values:

		<ul style="list-style-type: none"> - CITY TAX: Errata CITY TAX - RESORT FEE: Errata RESORT FEE - "OTHERS": others errata types description <p>Use the method getErrataTypes to obtain all the possible values.</p>
	conditions	Only for errataType CITY TAX or RESORT FEE
	calculationRules	Conditions for applying tax
	currency	Currency code
	duration	Duration. Values: <ul style="list-style-type: none"> - Per day - Per night - Per stay - Per week - Roundtrip - One way
	maxImport	Maximum import to pay
	maxNights	Maximum number of nights to apply
	scope	Scope. Values: <ul style="list-style-type: none"> - Per adult - Per person - Per room - Per suite - Per apartment - Per house
	taxIncluded	Tax is included: True or False
	discountsExemptions	Any discount or exemption about tax
	discAmount	Value of discount (case discType = Discount)
	discType	Type of discount. Values: <ul style="list-style-type: none"> - Discount - Exemption : tax don't apply
	discountFrom	Date from: dd/mm
	discountTo	Date to: dd/mm
	maxAge	Maximum age for applying discount and exceptions
	maxStay	Maximum stay for applying discount and exceptions
	minAge	Minimum age for applying discount and exceptions
	minStay	Minimum stay for applying discount and exceptions

		reason	Reason of discount. Values: - Business - Vacation - Senior - Disability - High season - Low season
		resident	Resident: True or False
		type	Type of value of discAmount. Values: - PERCENT - FEE
	tax		Tax to be applied
		amount	Value of tax
		dateFrom	Date from: dd/mm
		dateTo	Date to: dd/mm
		maxRoomRate	Maximum room price to apply this tax To use in those cases where taxes depend on the room price.
		minRoomRate	Minimum room price to apply this tax To use in those cases where taxes depend on the room price.
		type	Type of value of amount. Values: - PERCENT - FEE
	version		Tax version
	paxes		Number of paxes in this room
	price		Total price for this room
	pricePerPax AndNight		Price per pax and night for this room
	PricePerRoom AndNight		Price per room and night for this room
	typeCode		Room type code
	typeName		Room type name
	description		Rate Plan Description. It also includes important and mandatory complementary information of the room description, that has to be passed to the final client. It may be dynamic.
	ratePlanCode		It contains a string of values to identify the core code of the availability, and a tracking ID. Core code is built from three codes:

					<ul style="list-style-type: none"> - Room Type - Board Type - Rate Plan (zero, one or two) Tracking ID allows to trace the transactions from availability to booking. Example: DTB:BB:BAR::CLSouwNjMzZDk2MDMtYzhiOC00NDk1LThiN2YtZTZiNTUzOWY5ZjU1
				typeCategoryCode	Room type category code.
				typeCategoryName	Room type category name.
				rates	List of rates. One or more.
				Rate	Rate Code We strongly recommend periodically send a getRatesV22 request to check what rates are available and the conditions of each one.
				amount	
				currencyCode	Amount currency code.
				value	Amount value. Total price of the requested services.
				commissionSalePercent	Sales commission percent. Use it only as informative item. To avoid rounding mismatches use always the field commissionSaleValue Only for commissionable agencies.
				commissionSaleValue	Sales commission value. Agency commission. Only for commissionable agencies.
				offerDescription	List of offer descriptions when offer = true. Informative. One or more
				description	Offer description
				rooms	Rooms item. It contains an occupancy combination.
				adults	Number of adults in this room
				children	Number of children in this room
				priceOfFirstNight	Price of first night. not in use
				quantity	Number of rooms
				typeCode	Room type code

		typeName	Room type name
		typeCategoryCode	Jumbonline type category code.
		typeCategoryName	Jumbonline type category name.
	fromRow		First row to be included in the response according to the request fromRow
	numRows		Number of rows included in the response
	totalRows		Total rows (number of establishments) that verify the request parameters.
	pricingAgencyCode		For Jumbonline use only.

valuateExtendsV22

We strongly recommend execute a valuateExtendsV22 before confirming a booking. This is a way to confirm some critical booking data as cancellation terms or final price.

Our commitment in the booking flow is to send the cancellation policies in the valuate response. When we have them in availability, what happens in majority of cases, we will send them in that step, but that is why it is so important to run a valuate request in the to make sure we send the booking cancellation policies.

This method doesn't perform the reservation.

This version works with the ratePlanCode instead of boardType and roomType. The ratePlanCode has been included into the availableHotelsByMultiQueryV22 response.

It is a code that allows us to provide stability to our booking flow and minimize the changes that may occur in a dynamic and sessionless system like ours, this code contains information about the room type, regime, rate, as well as a succession of characters that uniquely identify the price and the conditions offered in a result.

Regarding the use of the rateplancode, the most important thing is:

- It is a unique identifier, even in the case you request a multi room booking for the same combination of room type, regime and rate, the booking request must be done using a different RPC for each room and included under the same <roomCombinations> node
 - It is very important that the RPC used is always the last one obtained, i mean, in a booking flow Availability + Valuation + Confirmation, the RPC obtained in availability response should be used in the valuate request and the RPC obtained in the valuate response should be used in the confirmation request ... this code may not change in the booking flow, especially with our own product, but in case it changes it is important that this aspect is taken into account. This code represents this price uniquely and is needed to perform valuation and confirmation
- Another new functionality is the capability to add all the pax nationalities if they are known at valuation stage. It could help to avoid trouble at check-in in some hotels.

valuateExtendsV22 Request

agencyCode		Agency code. Unique code for each customer. To be filled always with brandCode and pointOfSaleId
brandCode		Brand code. Same code for all methods. To be filled always with agencyCode and pointOfSaleId.
pointOfSaleId		Point of Sale. Same code for all methods. To be filled always with agencyCode and brandCode.
language (required)		Language sent in the response.
checkin (required)		Check in date
checkout (required)		Check out date. More than 28 days bookings are not allowed.
establishmentId (required)		Establishment code.
occupancies (required)		Array with pax number for this search. For each occupancy[i]: <ul style="list-style-type: none">- adults (required): number of adult pax, minimum value: 1- children (required): number of children pax, minimum value: 0- [childrenAges] (required if children <> 0): a childrenAges parameter is required for each child. Values:<ul style="list-style-type: none">- 0 to 16: (example: a child 5 years and 4 months old, childrenAges = 5) NOTE: generally, BUT NOT ALWAYS, in XTS contracts: <ul style="list-style-type: none">- from 0 to 2 years old (childrenAges values: 0 or 1): infants.- from 2 to 12 years old (childrenAges values: 2 to 11): children.- from 12 years old (childrenAges values: from 12): adults.- numberOfRooms (required): 1 (always)- ratePlanCode (required): ratePlanCode obtained on Availability Response. Example: DTB:BB:BAR::CLSouwNjMzZDk2MDMtYzhiOC00NDk1LTThiN2YtZTZiNTUzOWY5ZjU1
onlyOnline		By default: True: <ul style="list-style-type: none">- true: only on-line results- false: include on-request results
extendedLogin		If known, you can inform the connection source country and the distribution channel (B2B or B2C).
	loginCountry	Country code. ISO alfa-2: ES, DE, GB, US,... To be filled always along with mainNationality. Informative. Must contain same value as mainNationality
	mainNationality	Country code. ISO alfa-2: ES, DE, GB, US,... To inform the source market country. It will be used to choose the rates that are valid for the specified market distribution.
	channel	Values: B2B or B2C
paxNationalities		

	Nationality	Zero or more repetitions. Country on ISO-2 of one pax.
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valuateExtendsV22 Response

Amount		Amount item.
	currencyCode	Amount currency code
	Value	Amount value. Total price of the requested params
	comissionSalePercent	Sales commission percent. Use it only as informative item. To avoid rounding mismatches use always the field commissionSaleValue Only for commissionable agencies.
	commissionSaleValue	Sales commission value. Agency commission. Only for commissionable agencies.
Commission		not in use
date		Request date
lines		Lines item. Composed of several tags. Detail of the price
	code	Line code. Values: - STY for STAY
	description	Line description
	from	From date
	price	Price item. Valuation price
	currencyCode	Currency code
		value
		commissionSalePercent
		commissionSaleValue
	priceType	Price type: per ROOM or per PAX
	quantity	Number of rooms or paxes.
	status	Price status. Values: OK
	to	Booking date to
	total	Price item. Valuation price
	currencyCode	Currency code
		value
		commissionSalePercent

		commissionSaleValue	Commission sale value. Agency benefit by this service.
remarks			Remarks item. Composed of text and type
	text		Remark text: The pvp retail binding price amount. Remark text: True / False. Remark text: Handler name.
	type		Remark type. Value: PVP / Binding retail price amount Remark type. Value: PVP / Retail Price Remark type. Value: Handler name
status			not in use
checkIn			Check in date
checkOut			Check out date
establishment			Establishment item composed of several items like address , id , etc.
	address		Address item.
		address	Postal address
		cityCode	City code (can be used in availableHotelsByCityWithErratas method)
		cityName	City name
		countryCode	Country code (no availability search uses this code)
		countryName	Country name
		districtCode	District code
		districtName	District name
		email	e-mail
		fax	Fax number
		name	Postal address. not in use
		stateCode	State code (no availability search uses this code)
		stateName	State name
		telephone	Telephone number
		zipCode	Postal code
	categoryCode		Category code.
	categoryName		Category name.
	id		Establishment code

	imageUrl		not in use
	name		Establishment name
	shortDescription		Establishment short description
	weight		Establishment priority
occupations			Occupations item. One per occupancy sent.
	adults		Number of adults
	amount		Amount item. Price for this occupations item
		currencyCode	Currency code
		value	Value. Amount.
	boardTypeCode		Board type code
	boardTypeName		Board type name
	onlyOnline		True or false, Normally False if “True” response include on-request results.
	cancellationComments		Cancellation comments: cancellation terms.
		from	Not in use
		to	Not in use
		text	The value itself.
		type	<p>Comment type. Values:</p> <ul style="list-style-type: none">- “ Cancellation term ” : cancellation terms <u>by occupancy</u>. The format is as follows: [Release – Percent%]. <p>For example: 7 – 5.0% , means cancelling a booking 7 days before checkin date has a 5.0% of total booking amount penalty.</p> <p>To consider the penalty days to calculate the amount penalty, the time zone of the hotel at destination will be taken into account</p> <ul style="list-style-type: none">- “ Cancellation email ” : email to request a manual booking cancellation.- NO SHOW: in this case, text values will be the % to be charged for no show.
		conditions	Not in use for cancellation terms

	errataType	Not in use for cancellation terms
	children	Number of children
	childrenAges	Children ages. One per children
	fromDate	Booking from date
	numberOfDays	Stay number of days
	numberOfRooms	Number of rooms
	roomTypeCode	Room type code
	roomTypeName	Room type name
	toDate	Booking to date
	onRequest	True if the occupancy is on request.
	description	Rate Plan Description. It also includes important and mandatory complementary information of the room description, that has to be passed to the final client. It may be dynamic.
	ratePlanCode	It contains a string of values to identify the core code of the availability, and a tracking ID. Core code is built from three codes: - Room Type - Board Type - Rate Plan (zero, one or two) Tracking ID allows to trace the transactions from availability to booking. Example: DTB:BB:BAR::CLSouwNjMzZDk2MDMtYzhiOC00NDk1LThiN2YtZTZiNTUzOWY5ZjU1
	rates	List of rates. One or more.
	Rate	Rate Code We strongly recommend periodically send a getRatesV22 request to check what rates are available and the conditions of each one.
	comments	Information regarding room prices, [0..N] items.
	from	Not in use
	to	Not in use
	text	The value itself. See next note.

	type		Comment type. Values: <ul style="list-style-type: none">- Errata item. Erratas are mandatory information to be shown to final customers before confirming a booking, as they give key information about this booking.	
	errataType		Example values: <ul style="list-style-type: none">- CITY TAX: Errata CITY TAX- RESORT FEE: Errata RESORT FEE- "OTHERS": others errata types description Use the method getErrataTypes to obtain all the possible values.	
	conditions		Only for errataType CITY TAX or RESORT FEE	
		calculationRules		Conditions for applying tax
			currency	Currency code
			duration	Duration. Values: <ul style="list-style-type: none">- Per day- Per night- Per stay- Per week- Roundtrip- One way
			maxImport	Maximum import to pay
			maxNights	Maximum number of nights to apply
			scope	Scope. Values: <ul style="list-style-type: none">- Per adult- Per person- Per room- Per suite- Per apartment- Per house
taxIncluded			Tax is included: True or False	
discountsExemptions		Any discount or exemption about tax		

				discAmount	Value of discount (case discType = Discount)
				discType	Type of discount. Values: <ul style="list-style-type: none">- Discount- Exemprion : tax don't apply
				discountFrom	Date from: dd/mm
				discountTo	Date to: dd/mm
				maxAge	Maximum age for applying discount and exceptions
				maxStay	Maximum stay for applying discount and exceptions
				minAge	Minimum age for applying discount and exceptions
				minStay	Minimum stay for applying discount and exceptions
				reason	Reason of discount. Values: <ul style="list-style-type: none">- Business- Vacation- Senior- Disability- High season- Low season
				resident	Resident: True or False
				type	Type of value of discAmount. Values: <ul style="list-style-type: none">- PERCENT- FEE
				tax	
				amount	Value of tax
				dateFrom	Date from: dd/mm
				dateTo	Date to: dd/mm
				maxRoomRate	Maximum room price to apply this tax To use in those cases where taxes depend on the room price.
				minRoomRate	Minimum room price to apply this tax To use in those cases where taxes depend on the room price.
				type	Type of value of amount. Values: <ul style="list-style-type: none">- PERCENT- FEE
			version		Tax version
			offerDescription		

	description	Offer description
pricingAgencyCode		For Jumbonline use only.

confirmExtendsV22

It requests a hotel booking service and returns a confirmation response and a serviceId for any booked service. This method includes all necessary functionalities for new contract types: Hotels with regular contracts (net prices) can also be booked with this method. Use the response data obtained from availability or valuate methods to fill the required parameters. Be aware that if you send different data from the availability or valuate response, the confirm method may not work and respond with an error (because, for instance, "there is no availability")

This version works with the ratePlanCode instead of boardType and roomType. The rateplan code determines a price, a roomtype (which belongs to a more generic "room type category"), a boardtype, a list of rates and a set of additional conditions described in rateplan description. It is a code that allows us to provide stability to our booking flow and minimize the changes that may occur in a dynamic and sessionless system like ours, this code contains information about the room type, regime, rate, as well as a succession of characters that uniquely identify the price and the conditions offered in a result.

Regarding the use of the rateplancode, the most important thing is:

- It is a unique identifier, even in the case you request a multi room booking for the same combination of room type, regime and rate, the booking request must be done using a different RPC for each room and included under the same <roomCombinations> node
- It is very important that the RPC used is always the last one obtained, I mean, in a booking flow Availability + Valuation + Confirmation, the RPC obtained in availability response should be used in the valuate request and the RPC obtained in the valuate response should be used in the confirmation request ... this code may not change in the booking flow, especially with our own product, but in case it changes it is important that this aspect is taken into account. This code represents this price uniquely and is needed to perform valuation and confirmation

confirmExtendsV22 Request

agencyCode	Agency code. Unique code for each customer. To be filled always with brandCode and pointOfSaleId
brandCode	Brand code. Same code for all methods. To be filled always with agencyCode and pointOfSaleId.
pointOfSaleId	Point of Sale. Same code for all methods. To be filled always with agencyCode and brandCode.
language (required)	Language sent in the response.
checkin (required)	Check in date
checkout (required)	Check out date. More than 28 days bookings are not allowed.
establishmentId (required)	Establishment code. See establishment related methods to get this code: getEstablishmentData and getEstablishmentsByName .
occupancies (required)	Array with pax number for this search. For each occupancy[i]: - adults (required): number of adult pax, minimum value: 1 - children (required): number of children pax, minimum value: 0

	<ul style="list-style-type: none"> - [childrenAges] (required if children <> 0): a childrenAges parameter is required for each child. Values: <ul style="list-style-type: none"> - 0 to 16: (example: for a child of 5 years and 4 months, childrenAges = 5) <p>NOTE: generally, but not always, in XTS contracts:</p> <ul style="list-style-type: none"> - from 0 to 2 years old (childrenAges values: 0 or 1): infants. - from 2 to 12 years old (childrenAges values: 2 to 11): children. - from 12 years old (childrenAges values: from 12): adults. - numberOfRooms (required): 1 (always) - ratePlanCode (required): ratePlanCode obtained on Valuate Response. <p>Example:</p> <ul style="list-style-type: none"> - DTB:BB:BAR::CLSouwNjMzZDk2MDMtYzhiOC00NDk1LThiN2YtZTZiNTUzOWY5ZjU1
onlyOnline	<p>By default: true:</p> <ul style="list-style-type: none"> - true: the booking will perform only if the booking can be closed at the moment. No on-request booking allowed. - false: client can obtain a closed booking or an on-request one.
extendedLogin	If known, you can inform the connection source country and the distribution channel (B2B or B2C).
loginCountry	Country code. ISO alfa-2: ES, DE, GB, US,... To be filled always along with mainNationality. Informative. Must contain same value as mainNationality
mainNationality	Country code. ISO alfa-2: ES, DE, GB, US,... To inform the source market country. It will be used to choose the rates that are valid for the specified market distribution.
channel	Values: B2B or B2C
agencyReference	Customers reference (locator) for this booking. Free text. It is mandatory to send the client's agencyReference in the Confirmation. It is the Agency's responsibility to check with its own Administration Dept what format the agencyReference should follow so that, at the time of invoicing, the work flow between the two administrations is smooth and there are no returns or delays in the acceptance and collection of the invoice. At the same time, we remind that the value of the reference must be unique per reservation.
basketId	Basket code. An existing XTS basketId or a null value. In case it is not specified, XTS will assign one basketId automatically. The response object returns it in any case. In case it's an "on Request" please don't include any basketId.
closeBasket	Boolean. Values (By default: true): <ul style="list-style-type: none"> - false: this basket is open. Rooms are blocked but service is not confirmed and if no action is taken will be autocancelled in a given time: usually 20-25min,

		<p>so it must be closed later with basketHandler confirm method or, either, can be canceled with basketHandler cancel method</p> <ul style="list-style-type: none"> - true: this basket is closed, documentation is sent, hotel receives booking confirmation, invoicing process is started. - true: in case of "on request" boolean. Value ="true"
comments		<p>A list of several Booking comments can be sent. Informative. Each element composed of:</p> <ul style="list-style-type: none"> - type : comment type. Free text. - text : comment text. Free text.
paxList		<p>Passenger list of each booked room. Informative. A range of several passengers by room data can be sent.</p> <p>If paxList information does not match with any occupancy or service Id, will be avoided.</p>
	pax	<p>One for each passenger. Each element composed of:</p> <ul style="list-style-type: none"> - age: age of the passenger. If it is not filled, the default value will be 40. Values: 0..120. - name: passenger name. - nationality: passenger nationality. Country ISO-2 code. - residenceCountry: not in use.
	roomTypeCode	<p>This room type will be used to match the pax list with the occupancy.</p>
sendDocumentationTo		<p>E-mail account where this booking documentation will be sent. If any email isn't included here, agency e-mail will be used.</p> <p>In case of "onRequest" it's mandatory to provide valid email account where information could be send.</p> <p>WARNING! Do not use to insert client e-mail. The booking documentation to be send includes agency price, and not client prices.</p>
titular (required)		<p>Booking Holder name. Order must be FIRST NAME followed by SURNAME.</p>
userId		<p>Agency's user code. You can use it as a search param in the getBaskets method</p>

confirmExtendsV22 Response

The response is similar to confirmExtendsV20 response.

basket		Basket item. General basket information
	basketId	Basket code
	cancelled	Cancellation date. Value "0".
	closed	Basket closed date
	opened	Basket opened date

	titular	not in use
	cancellationDate	not in use
	comments	Comments item. Contains all data needed to specify contract type of the booked hotel and hotel fiscal data Several will be sent. Composed of text and type.
	text	Comment content. Free text, boolean or numeric depending on type
	type	<p>Comment type. Values:</p> <p>For all agencies:</p> <ul style="list-style-type: none"> - PVP / Retail price: States if this is a net price or don't. <p>For net prices agencies:</p> <ul style="list-style-type: none"> - PVP / Binding retail price amount: Binding retail price amount. <p>For commissionable prices agencies:</p> <ul style="list-style-type: none"> - Sales Commission percent: sales commission percent - Sales Commission amount: sales commission amount. <p>For direct payment prices (Direct Client Payment = true):</p> <ul style="list-style-type: none"> - Direct Client Payment: in this case, text values = boolean (true or false). If true: - Commissionable: in this case, text values = boolean (true or false). - Commission Percent: in this case, text values = numeric. If Commissionable = true, this comment will hold the commission percent. For instance: 20.0 (this means a 20% commission) - Fiscal Data- VAT Number: hotel VAT number. - Fiscal Data- Company Name: company name - Fiscal Data- Observations: comments - Fiscal Data- Address- Address1: address data field 1 - Fiscal Data- Address- Address2: address data field 2 - Fiscal Data- Address- Email: company e-mail - Fiscal Data- Address- Fax: company fax number - Fiscal Data- Address- Name: company address name

		<ul style="list-style-type: none"> - Fiscal Data- Address- Postal Code: company postal code - Fiscal Data- Address- Telephone: company telephone number - Fiscal Data- Address- City: company address city <p>Special cases:</p> <ul style="list-style-type: none"> - PVP / Retail price: States if this is a net price or don't. <p>NOTE: all "Fiscal Data-"types are used to send hotel fiscal data.</p>
	text	Your "onRequest" solicitude with basketID XXXXX has been sent to our business agent.
	type	On Request
	commision	not in use
	contractId	not in use
	description	Establishment name
	okDate	Ok date
	pointOfSaleId	Point of sale code
	positionInBasket	Service position in basket
	requestDate	Request date
	serviceId	Service code
	status	<p>Value: CLOSED means confirm request received and processed correctly.</p> <p>Value OPEN means request is received and the booking needs to be confirmed by the client. See the confirm method on the Basket Handler.</p>
	total	Total item. Total amount of service
	currencyCode	Currency code
	value	<p>Value. Amount</p> <p>NOTE: all amounts in case of commissionable hotels include the commission. JOL client receives the commission percent and can then calculate any required commission amount.</p>

		commissionSalePercent	Sales commission percent. Use it only as informative item. To avoid rounding mismatches use always the field commissionSaleValue Only for commissionable agencies.
		commissionSaleValue	Sales commission value. Agency commission. Only for commissionable agencies.
userId			User code. XTS user sent in the confirm request if any.
voucherUrl			not in use
checkin			Check in date
checkout			Check out date
establishmentId			Establishment code
occupations			Occupations item. One per occupancy sent.
	adults		Number of adults
	amount		Amount item. Price for this occupations item
		currencyCode	Currency code
		value	Value. Amount.
	boardTypeCode		Board type code
	boardTypeName		Board type name
	onRequest		True: in case of “on Request” False: only on-line results
	cancellationComments		
		from	Not in use
		to	Not in use
		text	The value itself. See next note.
		type	Comment type. Values: - “ Cancellation term ” : cancellation terms <u>by occupancy</u> . The format is as follows: [Release – Percent%]. For example: 7 – 5.0% , means cancelling a booking 7 days before checkin date has a 5.0% of total booking amount penalty.

		To consider the penalty days to calculate the amount penalty, the time zone of the hotel at destination will be taken into account - “ Cancellation email ” : email to request a manual booking cancellation.
	children	Number of children
	childrenAges	Children ages. One per child
	fromDate	Booking from date
	numberOfDays	Number of days stay
	numberOfRooms	number of rooms
	roomTypeCode	Room type code
	roomTypeName	Room type name
	toDate	Booking to date
	typeName	Board type name
	description	Rate Plan Description. It also includes important and mandatory complementary information of the room description, that has to be passed to the final client. It may be dynamic.
	ratePlanCode	It contains a string of values to identify the core code of the availability, and a tracking ID. Core code is built from three codes: - Room Type - Board Type - Rate Plan (zero, one or two) Tracking ID allows to trace the transactions from availability to booking. Example: DTB:BB:BAR::CLSouwNjMzZDk2MDMtYzhiOC00NDk1LThiN2YtZTZiNTUzOWY5ZjU1
	rates	List of rates. One or more.
	Rate	Rate code We strongly recommend periodically send a getRatesV22 request to check what rates are available and the conditions of each one.
	comments	Information regarding room prices, [0..N] items.
	from	Not in use
	to	Not in use

			text	The value itself. See next note.
			type	Comment type. Values: <ul style="list-style-type: none"> - Errata item. Erratas are mandatory information to be shown to final customers before confirming a booking, as they give key information about this booking.
			errataType	Example values: <ul style="list-style-type: none"> - CITY TAX: Errata CITY TAX - RESORT FEE: Errata RESORT FEE - "OTHERS": others errata types description Use the method getErrataTypes to obtain all the possible values.
			conditions	Only for errataType CITY TAX or RESORT FEE
			calculationRules	Conditions for applying tax
			currency	Currency code
			duration	Duration. Values: <ul style="list-style-type: none"> - Per day - Per night - Per stay - Per week - Roundtrip - One way
			maxImport	Maximum import to pay
			maxNights	Maximum number of nights to apply
			scope	Scope. Values: <ul style="list-style-type: none"> - Per adult - Per person - Per room - Per suite - Per apartment - Per house
			taxIncluded	Tax is included: True or False
			discountsExemptions	Any discount or exemption about tax

				discAmount	Value of discount (case discType = Discount)	
				discType	Type of discount. Values: <ul style="list-style-type: none">- Discount- Exemprion : tax don't apply	
				discountFrom	Date from: dd/mm	
				discountTo	Date to: dd/mm	
				maxAge	Maximum age for applying discount and exceptions	
				maxStay	Maximum stay for applying discount and exceptions	
				minAge	Minimum age for applying discount and exceptions	
				minStay	Minimum stay for applying discount and exceptions	
				reason	Reason of discount. Values: <ul style="list-style-type: none">- Business- Vacation- Senior- Disability- High season- Low season	
				resident	Resident: True or False	
				type	Type of value of discAmount. Values: <ul style="list-style-type: none">- PERCENT- FEE	
				tax		Tax to be applied
					amount	Value of tax
					dateFrom	Date from: dd/mm
					dateTo	Date to: dd/mm
					maxRoomRate	Maximum room price to apply this tax To use in those cases where taxes depend on the room price.
					minRoomRate	Minimum room price to apply this tax To use in those cases where taxes depend on the room price.
					type	Type of value of amount. Values: <ul style="list-style-type: none">- PERCENT- FEE
				version		Tax version
				pricingAgencyCode		