

BookingFor Easyconnect API Interface

for communication with [bookingfor.com](https://www.bookingfor.com)

Ver. 1.19 – OTA2012A

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Description	More resource configuration details		

changes			
Motivations			
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Description changes	More resource configuration details		
Motivations			

Premise

Technical notes will follow for the use of BookingFor Easyconnect reserved for software houses that intend to synchronize the data of their Channel Managers or PMS with the booking system called BookingFor.

The system is based on the 2012A version of the Opentravel scheme (www.opentravel.org/)

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Set up:

The following parameters are required to activate the BookingFor Easyconnect interface:

- ID: User identifier
- Password: User password
- HotelCode/ID_Context: merchant code (required if the user is a channel manager)

List of available methods:

OTA_HotelRoomList

The message OTA_HotelRoomListRQ is used to get the list and room codes associated with a structure.

REQUEST

Element	Attribute	NUMBER OF ITEMS	Description
OTA_HotelRoomListRQ		1	
	EchoToken	1	Call id
	Timestamp	1	Time of transaction
	Target	1	Production/Test
	Version	1	1.0
	PrimaryLangID	1	en
OTA_HotelRoomListRQ/POS/Source/RequestorID		1	Caller identifier
	Id	1	Id
	MessagePassword	1	Password
OTA_HotelRoomListRQ/HotelRoomLists/HotelRoomList		1	
	HotelCode	1	Hotel Code
OTA_HotelRoomListRQ/HotelRoomLists/HotelRoomList/RatePlans/RatePlan		1	
	RatePlanCode	1	Rate code

ANSWER

Element	Attribute	NUMBER OF ITEMS	Description
OTA_HotelRoomListRS		1	
	EchoToken	1	Call id
	Timestamp	1	Time of transaction
	Target	1	Production/Test
	Version	1	1.0
	PrimaryLangID	1	en
OTA_HotelRoomListRS/Success		0-1	
OTA_HotelRoomListRS/Warnings/Warning		0-99	Present only with 'Success'
	Code	0-1	See Appendix "Warning Codes"
OTA_HotelRoomListRS/HotelRoomLists/HotelRoomList		1	
	HotelCode	1	
OTA_HotelRoomListRS/HotelRoomLists/HotelRoomList/RoomStays/RoomStay/RoomTypes/RoomType		1 or more repetitions	
	InvBlockCode	1	Room code

OTA_HotelRoomListRS/HotelRoomLists/HotelRoomList/RoomStays/RoomStay/RoomTypes/RoomType/Occupancy		1 or more repetitions	Occupancy range: If there are ranges, the resource then supports different prices per occupancy (indicated in the individual RatePlan node)
	MinOccupancy		Minimum employment
	MaxOccupancy		Maximum employment
OTA_HotelRoomListRS/HotelRoomLists/HotelRoomList/RoomStays/RoomStay/RoomTypes/RoomType/TPA_Extensions/RatePlan		0-99	
	RatePlanId	1	Rate code
	RatePlanCode	1	External rate reference
	RatePlanName	1	Rate name
	RatePlanTypeId	1	Rate type ID, useful for find rate type for resources with prices per stay/occupation/occupation type enabled
	RatePlanTypeName		Rate type name, useful for find rate type for resources with prices per stay/occupation/occupation type enabled
	HasStayLimits	1	If "True", the rate is limited for the duration of the stay.
	MinStay	1	Minimum length of stay
	MaxStay	1	Maximum length of stay (excluding)
	HasOccupancyLimits	1	If "True", the rate is limited for the number of people.
	MinOccupancy	1	Minimum number of people
	MaxOccupancy	1	Maximum number of people
	CalculationType	1	Possible values: 0: Prices per resource only 1: Prices per people only 2: Prices per resource plus people 3: Prices per people derived from resource price 4: Resource prices with reductions (adults already included in resource price, reduced apart)
	IsLimitedPaxType	1	When True, indicates the people configuration for which the rate is limited. See PaxTypeConfiguration field for more details
	PaxTypeConfiguration	1	People configuration valid for the rate. Only one configuration per rate will be

			<p>indicated. E.g. rate valid for 2 adults, rate valid for 2 adults and 1 child 5-12, rate valid for 2 adults and 1 child 0-5 etc...</p> <p>Array of ranges delimited by character " ".</p> <p>Configuring individual range fields delimited by the character ":":</p> <ol style="list-style-type: none"> 1) Minimum years 2) Maximum years 3) Number of people for the indicated range
	PaxRanges	1	<p>If CalculationType other than 0, indicates the people configuration supported by the rate. Array of ranges delimited by character " ". Configuration of individual range fields delimited by character ":":</p> <ol style="list-style-type: none"> 1) Minimum years 2) Maximum years 3) If True, main range (adult) 4) Minimum position 5) Maximum position 6) If True, range is valid as extrabed (over maximum occupancy) 7) If True, range is valid as cot (over maximum occupancy)
	IncludedPaxes	1	<p>Number of people included in the resource price</p> <p>If CalculationType value is 2, the rate sent as BaseByGuestAmt will be valid for the indicated number of people</p> <p>If CalculationType value is 3, indicates the number of people to derive the rate sent as BaseByGuestAmt (e.g. price 100€, IncludedPaxes "2" => single person price 50€)</p> <p>If CalculationType value is 4, the rate sent as BaseByGuestAmt will be valid for the indicated number of adults</p>
OTA_HotelRoomListRS Errors/Error		0-99	Can't be present with 'Success'
	Code	1	OTA ERR Table

OTA_HotelRateAmountNotif

The message OTA_HotelRateAmountNotifRQ is used to update the rate of a room associated with a property.

REQUEST

Element	Attribute	NUMBER OF ITEMS	Description
OTA_HotelRateAmountNotifRQ		1	
	EchoToken	1	Call id
	Timestamp	1	Time of transaction
	Target	1	Production/Test
	Version	1	1.0
	PrimaryLangID	1	en
OTA_HotelRateAmountNotif/POS/Source/RequestorID		1	Caller identifier
	Id	1	Id
	MessagePassword	1	Password
OTA_HotelRateAmountNotifRQ/RateAmountMessages		1	
	HotelCode	1	Hotel Code
OTA_HotelRateAmountNotifRQ/RateAmountMessages/RateAmountMessage/StatusApplicationControl		1	
	RatePlanCode	1	Unique rate code
	RatePlanID	1	Rate External Reference: If RatePlanCode is not valued, retrieves rate with the specified reference
	InvCode	1	Room Code
OTA_HotelRateAmountNotifRQ/RateAmountMessages/RateAmountMessage/Rates/Rate		1 or more repetitions	
	Start	1	Update Start Date
	End	1	Update End Date
	Mon	0-1	If present, also populate the other days
	Your	0-1	If present, also populate the other days
	Weds	0-1	If present, also populate the other days
	Thur	0-1	If present, also populate the other days
	Fri	0-1	If present, also populate the other days
	Sat	0-1	If present, also populate the other days
	Sun	0-1	If present, also populate the other days
	CurrencyCode	1	Vale EUR
OTA_HotelRateAmountNotifRQ/RateAmountMessages/RateAmountMessage/Rates/Rate/BaseByGuestAmts/BaseByGuestAmt		1	
	AmountAfterTax	1	Base price in currency

OTA_HotelRateAmountNotifRQ/RateAmountMessages/RateAmountMessage/Rates/Rate/AdditionalGuestAmounts/AdditionalGuestAmount		0 or more repetitions	Calculation of extrabeds and/or people
	AgeQualifyingCode	1	OTA Table AQC. 8 = Children, 10 = Adults
	MinAge	1	
	MaxAge	1	
	Amount	1	Price in currency

ANSWER

Element	Attribute	NUMBER OF ITEMS	Description
OTA_HotelRateAmountNotifRS		1	
	EchoToken	1	Call id
	Timestamp	1	Time of transaction
	Target	1	Production/Test
	Version	1	1.0
	PrimaryLangID	1	en
OTA_HotelRateAmountNotifRS/Success		0-1	
OTA_HotelRateAmountNotifRS/Warnings/Warning		0-99	Present only with 'Success': See Appendix "Warning Codes"
	Code	0-1	OTA ERR Table
OTA_HotelRateAmountNotifRS/Errors/Error		0-99	Can't be present with 'Success'
	Code	1	OTA ERR Table

OTA_HotelAvailNotif

The message OTA_HotelAvailNotifRQ is used to update room availability and restrictions. For virtual rooms, no availability updates will be made. For availability, the days of the week will not be taken into account.

If the merchant supports the "Differential" resource conditions updates (check merchant settings on Bookingfor) and you need to specify check-in and check-out days, simply add two "AvailStatusMessage" blocks with the same minimum and maximum duration value (if any) and the days of the week for their respective restrictions (see details required for values).

In addition, by updating the "Differential" resource conditions, updates from BookingFor backends will be maintained until further rule value received by Channel Manager.

Using the Restriction node, with the "Per dates/per resource" update, it will be possible to set the "Closed to arrival (CTA)" and "Closed to departure (CTD)" rules.

If parameters are specified in the RatePlanID field, the following actions will occur:

- availability: if value greater than zero, specified rates will be opened (the total number will not be taken into account); if value equals zero, specified rates will be closed
- conditions: the conditions are valid only for the specified rates

REQUEST

Element	Attribute	NUMBER OF ITEMS	Description
OTA_HotelAvailNotifRQ		1	
	EchoToken	1	Call id
	Timestamp	1	Time of transaction
	Target	1	Production/Test
	Version	1	1.0
	PrimaryLangID	1	en
OTA_HotelAvailNotif/POS/Source/RequestorID		1	Caller identifier
	Id	1	Id
	MessagePassword	1	Password
OTA_HotelAvailNotifRQ/AvailStatusMessages		1	
	HotelCode	1	Hotel Code
OTA_HotelAvailNotifRQ/AvailStatusMessages/AvailStatusMessage		1 or more repetitions	
	BookingLimit	1	Allotment
	BookingLimitMessage	1	'SetLimit'

OTA_HotelAvailNotifRQ/AvailStatusMessages/AvailStatusMessage/StatusApplicationControl		1	
	Start	1	Update Start Date
	End	1	Update End Date
	RatePlanID	1	Rate code: multiple codes can be specified by dividing them with the comma
	InvCode	1	Room code
	Mon	0-1	If present, also populate the other days
	Tue	0-1	If present, also populate the other days
	Wed	0-1	If present, also populate the other days
	Thur	0-1	If present, also populate the other days
	Fri	0-1	If present, also populate the other days
	Sat	0-1	If present, also populate the other days
	Sun	0-1	If present, also populate the other days
OTA_HotelAvailNotifRQ/AvailStatusMessages/AvailStatusMessage/LengthOfStay		0-1	Minimum stay
	Time	1	Value in days
	MinMaxMessageType	1	For minimum stay, send 'SetMinLOS' (required) For maximum stay, send 'SetMaxLOS' (optional, default value 99). For days before checkin (release), send 'SetForwardMinStay' (facoltativo, default value 0)
OTA_HotelAvailNotifRQ/AvailStatusMessages/AvailStatusMessage/RestrictionStatus	Restriction	0-1	If the merchant supports the "Per dates/per resource" update type, specifies

			<p>the rule type for the specified days:</p> <p>Arrival => check-in (CTA)</p> <p>Departure => check-out (CTD)</p>
	StatusSpecified	0-1	To be valued at "true" to make changes to CTA/CTD rules
	Status		<p>If the merchant supports check-in/check-out rules "Per dates/per resource", specifies the type of update to apply for the specified days:</p> <p>Open => allow entry or exit</p> <p>Close => do not allow entry or exit</p>

ANSWER

Element	Attribute	NUMBER OF ITEMS	Description
OTA_HotelAvailNotifRS		1	
	EchoToken	1	Call id
	Timestamp	1	Time of transaction
	Target	1	Production/Test
	Version	1	1.0
	PrimaryLangID	1	en
OTA_HotelAvailNotifRS/Success		0-1	
OTA_HotelAvailNotifRS/Warnings/Warning		0-99	Present only with 'Success'
	Code	0-1	See Appendix "Warning Codes"
OTA_HotelAvailNotifRS Errors/Error		0-99	Can't be present with 'Success'
	Code	1	OTA ERR Table

OTA_ReadRQ

The message OTA_ReadRQ is used to have the reservation list..

REQUEST

Element	Attribute	NUMBER OF ITEMS	Description
OTA_ReadRQ		1	
	EchoToken	1	Call id
	Timestamp	1	Time of transaction
	Target	1	Production/Test
	Version	1	1.0
	PrimaryLangID	1	en
OTA_ReadRQ /POS/Source/RequestorID		1	Caller identifier
	Id	1	Id
	MessagePassword	1	Password
OTA_Read RQ /ReadRequests/HotelReadRequest		1	
	HotelCode	1	Hotel Code
OTA_ReadRQ/HotelReadRequest/SelectionCriteria		1	
	Start	1	Start date
	End	1	End date
	Datetype	0-1	CreateDate, ArrivalDate (holiday start date), LastUpdateDate (last modified date), DepartureDate (holiday end date)
	SelectionType	1	Undelivered, PreviouslyDelivered, All
	GroupCode	0-1	Origin/booking group
	ResStatus	0-1	Type of booking. Possible values: Initiate => non-demanding request Book => Reservation Cancel => Canceled

ANSWER

Element	Attribute	NUMBER OF ITEMS	Description
OTA_ResRetrieveRS		1	
	EchoToken	1	Call id
	Timestamp	1	Time of transaction
	Target	1	Production/Test
	Version	1	1.0
	PrimaryLangID	1	en

OTA_ResRetrieveRS /Success		0-1	
OTA_ResRetrieveRS /Warnings/Warning		0-99	Present only with 'Success'
	Code	0-1	See Appendix "Warning Codes"
OTA_ResRetrieveRS/ReservationsList		0-1	
	HotelReservation	1 or more repetitions	List
OTA_ResRetrieveRS/ReservationsList/HotelReservation	HotelReservationType	LastModifyDate Time	Last update date
OTA_ResRetrieveRS/ReservationsList/HotelReservation/ResGlobalInfo/ Guarantee			Credit card details: data will be present only if the account has been enabled as PCI compliant, subject to send assessment documents
OTA_ResRetrieveRS/ReservationsList/HotelReservation/ResGlobalInfo/ HotelReservationIDs	HotelReservationID	ResID_Source	Booking for reference code (useful for retrieving resources from a single request/booking)
OTA_ResRetrieveRS/ReservationsList/HotelReservation/RoomStays/ TPA_Extensions/Products/Product		0-n	Series of nodes that identify additional information for each product in the booking
OTA_ResRetrieveRS/ReservationsList/HotelReservation/RoomStays/ TPA_Extensions/Products/Product		Id	Unique product identifier
OTA_ResRetrieveRS/ReservationsList/HotelReservation/RoomStays/ TPA_Extensions/Products/Product		Name	Product name
OTA_ResRetrieveRS/ReservationsList/HotelReservation/RoomStays/ TPA_Extensions/Products/Product		Start	Product reservation start date

OTA_ResRetrieveRS/ReservationsList/HotelReservation/RoomStays/TPA_Extensions/Products/Product		End	Product reservation end date
OTA_ResRetrieveRS/ReservationsList/HotelReservation/RoomStays/TPA_Extensions/Products/Product/Product/PriceDetails/PriceDetail			Series of nodes that identify detailed values per day (or time period for certain resource types) applied to the product
OTA_ResRetrieveRS/ReservationsList/HotelReservation/RoomStays/TPA_Extensions/Products/Product/Product/PriceDetails/PriceDetail		Datetime	Date and time of period
OTA_ResRetrieveRS/ReservationsList/HotelReservation/RoomStays/TPA_Extensions/Products/Product/Product/PriceDetails/PriceDetail		Value	Price associated with the period including any discounts
OTA_ResRetrieveRS/ReservationsList/HotelReservation/RoomStays/TPA_Extensions/Products/Product/Product/PriceDetails/PriceDetail		OriginalValue	Price associated with the period without discount
OTA_ResRetrieveRS/Errors/Error		0-99	Can't be present with 'Success'
	Code	1	OTA ERR Table

OTA_NotifReportRQ

The message OTA_NotifReportRQ is used to confirm reservations with a confirmation code that will be associated to the reservation.

Note: Only reservations that belong to the hotel specified in the authentication can be confirmed in the same operation.

In addition, the following call can only be made in production environment if the availability update is also active.

REQUEST

Element	Attribute	NUMBER OF ITEMS	Description
OTA_NotifReportRQ		1	
	EchoToken	1	Call id
	Timestamp	1	Time of transaction
	Target	1	Production/Test
	Version	1	1.0
	PrimaryLanguage	1	en
OTA_NotifReportRQ/NotifDetails/HotelNotifReport/HotelReservations/HotelReservation/POS/Source/RequestorID		1	Caller identifier
	Id	1	Id
	MessagePassword	1	Password
	ID_Context	1	Hotel Code
OTA_NotifReportRQ/HotelReservations/HotelReservation		1	
	Uniqueid	1	Booking code to confirm
OTA_NotifReportRQ/NotifDetails/HotelNotifReport/HotelReservations/HotelReservation/ResGlobalInfo/HotelReservationIDs/HotelReservationID		1	
	ResID_Value	1	Booking ID
	ResID_Date	1	Date of creation
	HotelReservationID_RPH		Confirmation ID
	ResID_Type	1	Type of booking(Confirmed, cancelled or tentative booking) OTA UIT table: 14 = Reservation

			15 = Cancellation 23 = Provisional reservation (if gateway set as the default payment, a new deposit payment will be set up)
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ANSWER

Element	Attribute	NUMBER OF ITEMS	Description
OTA_NotifReportRS		1	
	EchoToken	1	Call id
	Timestamp	1	Time of transaction
	Target	1	Production/Test
	Version	1	1.0
	PrimaryLangl D	1	en
OTA_ResRetrieveRS/Success		0-1	
OTA_ResRetrieveRS/Warnings/Warning		0-99	Present only with 'Success'
	Code	0-1	See Appendix "Warning Codes"
OTA_ResRetrieveRS/Errors/Error		0-99	Can't be present with 'Success'
	Code	1	OTA ERR Table

Field Legend

OTA_Read

ResStatus property

- Requested: When a resource is only requested;
- Cancelled: when a reservation has been cancelled;
- Reserved: when a reservation was generated by the front end, it was confirmed by the management, a payment was made to the bank;
- Waitlisted: this case includes all bookings that are not included in the previous cases;

Warning codes

Code	Message	Notes
401	Booking with code {0} is not available.	Only available with OTA_NotifReport
402	The required data were not updated correctly	Only available with OTA_HotelAvailNotif
403	The resource with code {0} is missing or does not belong to the specified structure	Only available with OTA_HotelAvailNotif
404	Were not detected in the data refresh request messages.	Only available with OTA_HotelRateAmountNotif
501	The requested data are invalid.	
701	It was exceeded the maximum limit of inserts/editable for the given request type. Please wait at least {0} to make sure you can perform other actions	
702	It was exceeded the maximum of calls for this type of request. Please wait at least {0} to make sure you can perform other actions	
703	It was exceeded the maximum of calls for service. Please wait at least {0} to make sure you can perform additional actions	
704	It was exceeded the maximum limit of inserts/editable for the given request type: all previous actions were limit is exceeded however carried out successfully. Please wait a while to be sure you can perform additional actions	
705	You are editing a number of elements ({0}) that may exceed the resource limit {1}. Please wait a reasonable time the limits to make sure you can perform additional actions for the following resource.	Only available with OTA_HotelAvailNotif
706	You are editing a number of elements ({0}) that might exceed the limit to treat {1}. Please wait a reasonable time the limits to make sure you can perform additional actions for the following treatment	Only available with OTA_HotelRateAmountNotif
709	To update CTA/CTD rules for a resource, the parameter "CTA/CTD rules application" in the merchant must be set to "Per dates/per resource"	Only available with OTA_HotelAvailNotif

Limitation of service usage

In order to ensure that the required changes are correct and avoid flooding attempts, the service has multiple-level limitations. The limits are applied per merchant and not per single point of request (e.g. ip address). The levels (sorted by priority) are as follows:

- 1) Total call limit;
- 2) Total limit by type of message;
- 3) Total limit of read/write values by message type

In the case of changes in availability and rate, the values are indicated per day.

	1 day	1 hour	10 minutes	1 minute
Reading reservations	3000 calls	200 calls	50 calls	10 calls
Booking confirmation/cancellation	1500 calls 10000 editable bookings	100 calls 1000 editable bookings	25 calls 250 editable bookings	10 calls 100 editable bookings
Read enabled resources	5000 calls	400 calls	100 calls	30 calls
Change availability/resource conditions	5000 calls 750*365 editable values per resource	400 calls 50*365 editable values per resource	100 calls 10*365 editable values per resource	30 calls 2*365 editable values per resource
Change rates	5000 calls 4500*365 editable values per resource	400 calls 300*365 editable values per resource	100 calls 50*365 editable values per resource	30 calls 10*365 editable values per resource
Total Service Calls	15000	1000	300	100

Exceeding these limits will result in a temporary blocking of access to merchant resources.

These limits can only be disabled when an initial mapping of rooms and rates has to be carried out and consequently more data traffic will have to be enabled. This operation can be possible only by contacting Bookingfor support.

In exceptional cases, these limits may be modifiable and only at the request of the operator and subsequent evaluation.

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