

# Integrated Channel Management

## Cultuzz Digital Media GmbH

Documentation  
22 Nov 2018

Cultuzz Digital Media GmbH  
Gneisenastr. 66  
10961 Berlin  
Germany

Contact:  
Tel. +49 (30) 726 225 0  
Fax +49 (30) 726 225 59

©2013 Cultuzz Digital Media GmbH. All rights reserved

*This documentation (including sample applications) is provided for informational purposes only and Cultuzz Digital Media GmbH and its suppliers make no warranties, either express or implied, in this documentation. Information in this documentation, including URL and other Internet Web site references, is subject to change without notice. The entire risk of the use or the results of the use of this documentation remains with the user.*

*Unless otherwise noted, the example companies, organizations, products, domain names, e-mail addresses, people, places, and events depicted here are fictitious, and no association with any real company, organization, product, domain name, e-mail address, person, place, or event is intended or should be inferred. Complying with all applicable copyright laws is the responsibility of the user. Without limiting the rights under copyright, no part of this documentation may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise), or for any purpose, without the express written permission of Cultuzz Digital Media GmbH.*

*Cultuzz Digital Media GmbH may have patents, patent applications, trademarks, copyrights, or other intellectual property rights covering subject matter in this documentation. Except as expressly provided in any written license agreement from Cultuzz Digital Media GmbH, the furnishing of this documentation does not give you any license to these patents, trademarks, copyrights, or other intellectual property.*

# Preface

CultSwitch, the most advanced software product from Cultuzz, is a web service, to automate business data administration inside hotel guides, reservation systems, on-line indexes and print media. This document is written to explain all its features in a lucid way.

## Intended Audience :

This document is written for Technical and Techno-Functional professionals working with PMS/CRS systems, Distributors (Channels) and Channel Management systems.

## What is this document about?

This document describes how to integrate CultSwitch with both  
(a) PMS (Property Management System) / CRS (Central Reservation System).  
(b) Distributors (Channels).

The logo for Cultuzz, featuring the word "cultuzz." in a bold, blue, lowercase sans-serif font.

### a) PMS / CRS :

- How to push Hotel master data like Name, Language, Home Currency, Bank Data, Descriptions, Amenities, Images, Address, Contact Information.
- How to push Availabilities and Prices into CultSwitch.
- How to retrieve the Bookings from CultSwitch.
- Certification Process and Types of Certification.
- "Integrated Channel Management", the most modern concept in channel management, Channel Manager is completely invisible and the entire channel management can be done by the accommodation provider on the user interface of the PMS.
- CultSwitch supports channel level modules i.e. Channel Management Data which provides the Hotel, the possibility to treat a particular channel differently from other channels.

### b) Distributors :

- How to get Master data of connected Hotels.
- How to get the connected Hotels of a particular Channel.
- How to get the Available Products of connected Hotels.
- How to get the Rates, Availabilities, Booking conditions and Policies etc.
- How to push the reservations while a Booking is performed by a Guest.

## What it contains?

- This document contains all the details and capabilities of CultSwitch.
- XML Templates for sending and receiving Availabilities, Prices and Bookings.
- Flow diagrams for XMLs for better understanding.
- Hyper-links to XMLs.
- Related Spreadsheets.

## How to use it?

- To get information on any particular subject, you may choose to use "Table of Contents" provided at the beginning of the document.
- To get information on a particular topic, you may choose to use "Index" provided at the end of the document.
- Glossary : Every attribute which is used in XMLs is described in this section.



## Versions :

In Version History, the capabilities of CultSwitch in various versions are described. This helps users to know what is present in newer versions of CultSwitch. Latest version of CultSwitch is always backward compatible.

## Related Documents :

- OTA standard XSDs - 2006A are used for the API XML Specification.
- OTA-2006A-CodeTable.xls is used for OTA Codes.

## Conventions :

Convention	Meaning	Example
Blue color text	Blue color text denotes a hyperlink to a specified attribute/ XML.	ProfileCreate message defines an operation that either generates a new record for a new <a href="#">Accommodation / Distributor</a> with a unique identifier.
Italic with Courier (Font family)	Courier font indicates description of the XML elements.	<!-- The MaxLOS and MinLOS, indicates the Maximum and Minimum length of stay required for the identified room. -->.

Table 1: Conventions

# Table Of Contents

<b>1 Overview</b>	<b>5</b>
1.1 CultSwitch Process Flow	5
1.2 Targeted Users	6
1.3 Contact Details	6
1.4 Revision History	7
1.5 Glossary	8
<b>2 OTA-Messages</b>	<b>13</b>
2.1 Preliminary Note	13
2.2 Compatibility Note	13
2.3 Transactions	13
<b>3 Technical Function</b>	<b>14</b>
3.1 XML-Elements	14
3.2 HTTP-Ping	14
3.3 Authentication	14
3.4 Users Identification	15
<b>4 Integrated Channel Management</b>	<b>16</b>
4.1 Object - Channel mapping and demapping for both Push and Pull channels	16
4.2 Additional Features for Object - Channel mapping	19
4.3 Get Distributor's Connection Status List for a Specific Object	21
4.4 Scheduling Channel Connection Status	23
4.5 Listing the Capabilities of a Channel (CCM)	24
4.6 Listing Hotelier Expectation Matrix (HEM)	26
4.7 Export Hotelier Expectation Matrix (HEM) to Cultuzz	27
4.8 Listing Channel Products	29
4.9 Listing Cultuzz Products with Mapping information	30
4.10 Mapping Cultuzz Product to a Distributor(both push and pull)	31
<b>5 CultSwitch Spreadsheets</b>	<b>35</b>
5.1 Market Codes for Source of Business	35
5.2 Additional Features	37



# 1 Overview

## 1.1 CultSwitch Process Flow

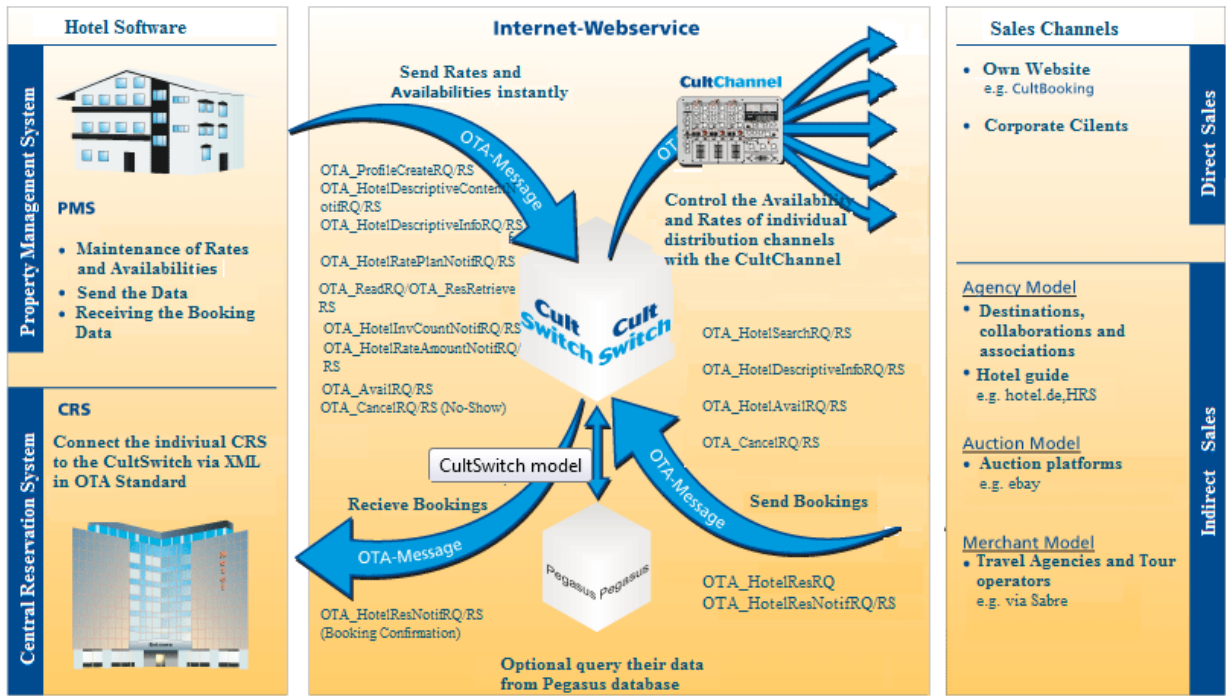


Figure 1: CultSwitch Process

## 1.2 Targeted Users

Name	Description	Messages
PMS & CRS	<p>Property Management System &amp; CRS</p> <p><b>PMS</b> is a computerized system that facilitates the management of property and inventory and typically use the "push" model. They usually push the accommodation static information like descriptions, properties, amenities etc., and accommodation dynamic information like the inventory availability and prices. <b>CRS</b> on the other hand is a Central Reservation System and is often identified as a PMS in CultSwitch.</p>	<p><i>OTA_ProfileCreateRQ/RS</i></p> <p><i>OTA_HotelDescriptiveContentNotifRQ/RS</i></p> <p><i>OTA_HotelDescriptiveInfoRQ/RS</i></p> <p><i>OTA_HotelRatePlanNotifRQ/RS</i></p> <p><i>OTA_ReadRQ/OTA_ResRetrieveRS</i></p> <p><i>OTA_HotelInvCountNotifRQ/RS</i></p> <p><i>OTA_HotelRateAmountNotifRQ/RS</i></p> <p><i>OTA_HotelAvailRQ/RS</i></p> <p><i>OTA_CancelRQ/RS</i></p> <p><i>OTA_HotelResNotifRQ/RS (Booking Confirmation)</i></p>
Distributors	<p>Distributors ( Channels )</p> <p><b>Distributors</b> typically manage one or more accommodations and use the "pull" model. They usually search for accommodation's, availability, perform reservations and cancellations.</p>	<p><i>OTA_HotelSearchRQ/RS</i></p> <p><i>OTA_HotelDescriptiveInfoRQ/RS</i></p> <p><i>OTA_HotelAvailRQ/RS</i></p> <p><i>OTA_HotelResRQ/RS</i></p> <p><i>OTA_HotelResNotifRQ/RS</i></p> <p><i>OTA_CancelRQ/RS</i></p>



## 1.3 Contact Details

If you have any queries, please contact us at [partner-management@cultuzz.com](mailto:partner-management@cultuzz.com). If you have any suggestions or improvement ideas, you are whole heartedly welcome.

## 1.4 Revision History

Version	Message	Description
CultSwitch-3.4.0	Add new HTTPS url	Added new endpoint with HTTPS (in Section 5.1).
	Add new market codes	Added new market codes in CultSwitch spreadsheet (in section 5.1).
CultSwitch-3.3.9	OTA_HotelDescriptiveContentNotifRQ	CultSwitch supports Additional Features for Distributors (in Section 4.2).
	CultSwitch Spreadsheets	Added CultSwitch supported Additional Features (in section 5.2).
CultSwitch-3.3.7	OTA_HotelRatePlanNotifRQ	Added another 'RatePlan' element in "Integrated Channel Management" which describes the product mapping to a specific channel along with the additional features that are supported by the channel via CultSwitch (in section 4.9).
CultSwitch-3.3.5	OTA_HotelDescriptiveContentNotifRQ	"ContractName", "IncomingOfficeCode" and "SequenceCode" attributes are added in "RegistrationInfo" element (in section 4.1).
CultSwitch-3.3.4	CultSwitch Spreadsheets	Provides the newly added Market Code and also some description about Market Code in the table <a href="#">Market Codes for Source of Business</a> (in section 5.1).
CultSwitch-3.3.3	OTA_HotelDescriptiveContentNotifRQ	Added new attribute "CompanyName" in Integrated Channel Management (Object - Channel mapping and demapping for both Push and Pull channels (in section 4.1)).
	OTA_HotelDescriptiveInfoRS	The above new attribute "CompanyName" can get in the response of Get Distributor's Connection Status List XML (in section 4.2).
		CCM extensions like Min Limit, Max Limit Values, Label Name and Data-Type of each Capability (Listing the Capabilities of a Channel (in section 4.4)).
CultSwitch-3.3.1		Scheduling Channel Connection Status - Channel connection can be Activate/DeActivate for a specific period/unlimited period.
CultSwitch-3.3.0	OTA_HotelDescriptiveContentNotifRQ	Possible to set hotelier expectations by the accommodation providers.
	OTA_HotelDescriptiveInfoRS	Lists the capabilities of each channel.
		Provides hotelier expectations.
		Provides channel level products.



## 1.5 Glossary

SI.No.	Name	Description
1	AcceptedPayment	AcceptedPayment holds payment card code and its number. These payment card codes are listed under <a href="#">Supported Credit Card</a> table.
2	Accommodation	Refers all accommodation types including hotels, motels, apartments, properties, resorts etc.
3	Accommodation Amenity	Identifies the types of amenities offered by the accommodation.
4	AccommodationCategory	Defines under which a particular accommodation is categorised (e.g., golf, ski, bed and breakfast).
5	AccommodationID/ObjectID	A unique identifier assigned by CultSwitch system to an accommodation for future reference purpose.
6	AdvanceBookingOffset	See: <a href="#">Min AdvancedBookingOffset</a> , <a href="#">Max AdvancedBookingOffset</a> .
7	Advanced Payments/PrePay	Specifies the advance amount to be paid at the time of booking. This would typically be some percentile of the total booking cost or some fixed amount.
8	AgentDutyCode	An authority code assigned to a requestor, similar to password.
9	AgentSine	Identifies the party within the requesting entity, similar to username.
10	ArrivalDaysOfWeek	The days of week on which a guest is allowed to arrive.
11	Auction Start Price	For auction based websites/sellers, it is required that a product need to have an auction starting price with which it will start to sell. The bidders will then bid their amounts on top of this starting price. For example, if a product's regular price is 100EUR, the product's Auction start price could be as low as 1EUR where upon the bidders will start bidding.
12	AuthToken	An Authentication token (username and password) sent via e-mail/FAX to the registered Distributor/PMS after their successful registration. This will be useful with the OTA_ProfileCreateRQ message.
13	AvailableDaysOfWeek	The days of week on which the product/room is available for booking.
14	Award	Identifies the accommodation ratings.
15	BookingChannelType	Identifies the requestor entity, either as <a href="#">PMS</a> (value 4) or as a <a href="#">Distributor</a> (value 7).
16	BookingRule	The BookingRule element defines restrictions to rates and stays at the accommodation for a given rate plan, room type or 'rate plan - room type' combination.
17	Bucher ID	An unique ID assigned by CultSwitch to a Booker while making a reservation. This is not the Reservation id.
18	BuyItNow Price	For auction based websites/sellers, it is required that a product need to have an auction starting price with which it will start to sell. Along with the auction start price, the owner of the product can also indicate a "Buy It Now Price", a fixed amount, for buying the product directly for that price instead of going through the bidding process.
19	CancelPenalty	Defines the cancellation penalty of the accommodation facility. If a person fails to come for the arrival day, she/he is charged according to the policy defined in CancelPenalty.
20	Check-In Time	A Check-In time is the time at which a guest is permitted to have access to his/her booked <a href="#">accommodation</a> . They can usually fulfill all of the required paperwork for checking in prior to this time.
21	Channel Management(room logic)	In Cultuzz Channel Management we provide the possibility that a particular channel is treated differently from other channels.
22	Check-Out Time	A Check-Out time is the time by which the guest needs to vacate the booked accommodation room.
23	Channel ID	A unique identifier assigned by CultSwitch system for each channel to which it is tied up with, like Booking.com, Expedia, Hotel.de, HRS etc.
24	Corporate Rate	Some distributors may have special products at special rates or with special offers. These rates are identified as Corporate rates.
25	CRS	Central Reservation System.
26	CltzProductElement	CltzProductElement identifies a ProductElement within a specific context, usually within a Rate container.
27	CltzProductElementValidity	The period of time for which the product element is valid for booking.





Sl.No.	Name	Description
28	Conditional Availability	The logic that restricts the availability based on certain rules on daily price. In other words, if a price rule says that given a surcharge of 10% on daily price, and a fixed referral price of 100 EUR, the availability will only be shown for those dates, whose daily prices which when added a surcharge of 10% are less than or equal to 100EUR. For ex: if the daily price is 50EUR and if the surcharge is 10%, and the fixed referral price is 100EUR, then 50 + 10% = 55EUR. Since 55EUR is less than 100EUR, this date is shown in availability. If the daily price is 150EUR, then 150 + 10% = 165EUR is greater than 100EUR and hence this date will not be shown in availability.
29	CSI	Customer Service Interface. A web interface provided by Cultuzz for accommodation holders and distributors to manage their accommodation(s).
30	CultBooking	A free booking engine offered and hosted by Cultuzz® (popularly known as CultBooking Centralized Version: <a href="http://www.cultuzz.com/cultbooking-centralized-version?Itemid=0">http://www.cultuzz.com/cultbooking-centralized-version?Itemid=0</a> ) for each accommodation that is registered with CultSwitch. CultBooking is also available for free download as an OpenSource (popularly known as CultBooking OpenSource Version: <a href="http://www.cultuzz.com/cultbooking-open-source?Itemid=0">http://www.cultuzz.com/cultbooking-open-source?Itemid=0</a> ) which could be downloaded, customized and hosted on the accommodation provider's own website.
31	Cultuzz Customers	An accommodation or a distributor within this document at times is referred to as a Cultuzz Customer.
32	CultuzzAccommodationCode	A unique identifier assigned by CultSwitch system to an accommodation for future reference purpose. Also referred to as ObjectID.
33	CltzInventoryValidity	CltzInventoryValidity specifies validity for a particular product element.
34	DepartureDaysOfWeek	The days of which a guest is allowed for a departure. For ex: If "Wednesday" is not enabled as a departure day, then the guest is not allowed to perform a booking that requests a departure on a "Wednesday".
35	DistribSystem	A distribution system which sells one or more accommodations, typically a GDS, Channel manager, Wholesaler etc.
36	DayBlock	Blocking availability for a particular channel on some particular days.
37	Distributor	A distributor is an entity that sells one or more accommodations.
38	Distributor Credentials	The credentials ( <a href="#">AgentSine</a> and <a href="#">AgentDutyCode</a> ) that needs to be used to successfully authenticate as a distributor. Once a new accommodation profile is created successfully with <a href="#">OTA_ProfileCreateRQ</a> , an e-mail containing the credentials is sent to the e-mail contact given within the request.
39	Dow-Restriction	A collection of Day Of Week restrictions. These are the restrictions for an inventory/product to perform a booking. For ex: <a href="#">ArrivalDaysOfWeek</a> , <a href="#">DepartureDaysOfWeek</a> , etc.
40	ElementID	A unique identifier assigned by CultSwitch system to a Product Element for future reference purpose..
41	GDS	Global distribution systems, popularly known as a computerized reservation network worldwide used as a single point of access .
42	GuaranteeCode	This code specifies the <a href="#">GuaranteeType</a> provided under "Supported Guarantee Types".
43	Guaranteed Allotment	Guaranteed Allotment allows a hotelier to guarantee a fixed availability for a particular channel. Once the contract is signed between the hotelier and the channel manager, the channel manager can expect a guaranteed availability of a fixed amount for the specified period as mentioned in the contract. A guaranteed allotment must be accompanied with a <a href="#">Release Time</a> explained further below with an example.
44	GuarenteedInd	GuaranteedInd indicates that this is a possible arrival day. Current release of CultSwitch will always sends "true".
45	GuaranteeType	This specifies the type of guarantee declared against to <a href="#">GuaranteeCode</a> under "Supported Guarantee Types" like None, GuaranteeRequired (email verification) and CC/DC/Voucher (credit card).
46	InfoSource	With <a href="#">OTA_HotelAvailRQ</a> now it is possible to send multiple search criteria with multiple <a href="#">AvailRequestSegment</a> elements. InfoSource is used to identify each search criteria with a unique name. The response returned with <a href="#">OTA_HotelAvailRS</a> is distinguished with the same InfoSource identifier present in a <a href="#">RoomStay</a> .
47	Incomplete Bookings	The bookings arriving with missing fields of required information are called "Incomplete Bookings". In such cases, those bookings cannot be ignored but resolved manually by Cultuzz Interface team to make them as Valid Bookings.



Sl.No.	Name	Description
48	Integarted Channel Management	which means that the Channel Manager is completely invisible and the entire channel management can be done by the accommodation provider on the user interface of the PMS.
49	Invalid Bookings	The Bookings that arrive from the channels, having invalid elementary information are termed as "Invalid Bookings".
50	InvCode	Code that identifies an inventory item. These are assigned by the target system during the creation process of this inventory item.
51	InventoryPriceInTime	It identifies a price within a specific period of time for a particular inventory. CultSwitch allows to define several prices for several periods of time.
52	Inventory	The inventory within CultSwitch is identified primarily as a sellable Room and secondarily as any sellable accommodation's amenity, service or feature.
53	InventoryCodes	A code assigned by CultSwitch system to an inventory as a reference.
54	Invgroupingcode	The identification of the inventory grouping. Whether to use the sending/querying or the receiving/responding system's identification depends on which system is doing the translation.
55	LocationCategory	Defines the general location of the accommodation near to, such as airport, suburban, downtown, etc.
56	LongStayDiscountAndShortStaySurcharge	For a period of long stay, an accommodation can offer a discount in the form of percent or amount for that stay period. These discounts may or may not differ from room to room for the same accommodation. For a period of short stay, an accommodation can apply a surcharge in the form of percent or amount for that stay period. These surcharge may or may not differ from room to room for the same accommodation.
57	LatestUpdatedTime	LatestUpdatedTime refers to the most recent time among a list of date-time entries. This entry is used with OTA_HotelAvailRS to explain when is the latest modification time of a particular availability.
58	Length of Stay	The number of stay days calculated from the Arrival day till the day prior to Departure day. For ex: if the arrival day is on 2nd Sep 2010 and departure day is 4th Sep 2010, then the length of stay will be 2 days calculated as on 2nd and 3rd of Sep 2010. Also see: <a href="#">MinLOS</a> , <a href="#">MaxLOS</a> .
59	MarketCode	MarketCode is a distribution channel where booking was originated. The list of MarketCodes and their SourceOfBusiness can be found in the table <a href="#">MarketCodes</a> specified in appendix.
60	MaxAdvancedBookingOffset/Last Minute	Maximum number of days before which we can make reservation, i.e, the days between date of booking and date of arrival. For ex: if MaxAdvancedBookingOffset is given as 3 days and date of arrival is 4th of May, then the booking is only possible from the 1st of May (3 days).
61	MaximumAllotment	MaximumAllotment restricts a particular channel in booking availability of a specific room type..
62	MaxLOS	Defines the maximum length of stay starting from the arrival day. A booking is not possible, if it requests for a stay period of more than the given number of days in MaxLOS value.
63	MaxOccupancy	The maximum allowed number of persons that could occupy the given entity (room/product). Beyond this limit, extra person is not allowed even on extra payment. MaxOccupancy value must be greater than or equal to StandardOccupancy if defined. For example, if a 3 bedroom's <a href="#">standard occupancy</a> is 3, there could be defined a maxoccupancy of 5 for which 2 persons will be charged extra. However, 6th person is not allowed to share this room. It is very important to read section <a href="#">Occupancy</a> under glossary to understand how CultSwitch deals with occupancy before proceeding further.
64	MessageSignatureKey	A unique identifier key that is generated for a given XML request as per the guidelines provided in this document at section: <a href="#">CultSwitch-Message Validation</a> . This key when transferred to CultSwitch along with the request message, helps CultSwitch validate the message correctness to confirm that it has not been changed over the wire.
65	MinAdvancedBookingOffset/Early Bird	The minimum number of days one can make a reservation before arrival date. After this period the booking for the Inventory is not possible. For ex: if MinAdvancedBookingOffset is given as 3 days and date of arrival is 4th of May, then the booking is only possible before (until) 1st of May (3 days). Starting 1st of May, the bookings are closed for this arrival date of 4th May.



Sl.No.	Name	Description
66	MinLOS	Defines the minimum length of stay starting from the arrival day. A booking is not possible, if it requests for a stay period of less than the given number of days in MinLOS value.
67	MinOccupancy	The minimum allowed number of persons that could occupy the given entity (room/product). Below this limit, booking might not be possible. MinOccupancy value must be less than or equal to StandardOccupancy if defined. For example, if a 3 bedroom's <a href="#">standard occupancy</a> is 3, there could be defined a minoccupancy of 2 for which there might be a discounted price. However, if less than 2 persons, i.e., if 1 person wants to book the room, it is either not allowed, or needs to pay the full amount of either 2 persons or the default room price which would be defined in accommodation's policies. It is very important to read section <a href="#">Occupancy</a> under glossary to understand how CultSwitch deals with occupancy before proceeding further.
68	No-Show	Once a booking is done, there is a possibility that the guest doesn't cancel the booking and also the guest doesn't show up at the accommodation. This is typically termed as a No-Show by guest at the accommodation.
69	Object-Channel Mapping	Mapping an object to channel by providing a basic information regarding the connection.
70	OffsetDropTime	OffsetDropTime with accepted values "BeforeArrival", "AfterBooking" or "After-Confirmation".
71	OffsetTimeUnit	OffsetTimeUnit with accepted values "Month", "Week", "Day" or "Hour".
72	OffsetUnitMultiplier	OffsetUnitMultiplier value range is [0,999], which is a multiplier of the value specified under OffsetTimeUnit.
73	OldestUpdatedTime	Oldest updated time refers to the first/oldest time among a list of date-time entries. This entry is used with OTA_HotelAvailRS to explain when is the oldest modification time of a particular availability.
74	OTA	Open Travel Alliance is a community where companies in the electronic distribution supply chain work together to create an accepted structure for electronic messages, enabling suppliers and distributors to speak the same interoperability language, trading partner to trading partner. <a href="http://www.opentravel.org">http://www.opentravel.org</a>
75	OTA-CodeTable	A list of codes categorized as groups, identified by OTA and published along with its specifications. A sample can be found at <a href="http://www.opentravel.org/2007B/OTA_CodeTable.xsd">http://www.opentravel.org/2007B/OTA_CodeTable.xsd</a>
76	Occupancy	Due to the way the OTA specifications are defined, there is no straightforward way to consider all three occupancies: <a href="#">StandardOccupancy</a> , <a href="#">MinOccupancy</a> and <a href="#">MaxOccupancy</a> . For this reason, declaring occupancy is defined in two ways: 1) If only MaxOccupancy is specified with <GuestRoom>-MaxOccupancy and standard occupancy is not defined, then the MaxOccupancy is considered as both standard occupancy and maximum occupancy. In which case, the attribute 'Max-Occupancy' value must be the same as defined in the appendix under section: <a href="#">Additional Detail Codes</a> for the selected Room Type. 2) If both MaxOccupancy and StandardOccupancy are defined, <TypeRoom>-StandardOccupancy value must be the same as defined in the appendix under section: <a href="#">Additional Detail Codes</a> for the selected Room Type, and <GuestRoom>-MaxOccupancy value can be anything greater than or equal to standard occupancy.
77	PaymentPolicies	If MinOccupancy is defined: <TypeRoom Name="MinOccupancy" Count="X"/>, the value must be less than or equal to StandardOccupancy. However if MinOccupancy is not defined, then the default value of "1" is taken as minimum occupancy. PaymentPolicies are used to specify the payment mode for a particular room or a product. Each PaymentPolicy should have specific period with a defined price along with a guarantee type.
78	PMS	Property Management System: A system that allows to maintain the whole static and dynamic information of, typically an accommodation.
79	POS	Point of Sale. POS provides a mechanism to indicate the source of the message, often used for authentication purposes within CultSwitch.
80	Price Room Source/Additional Rate Categories	Price Room Source, identifies a specific rate attached to a RoomType. This rate can depend on daily price based on the various factors like NET rate, BAR rate and OTHER rate identified as PG1 (PriceGroup 1), PG2 and PG3. "Price Room Source" is often used to assign the price to a Product irrespective of whether the product contains this RoomType or not. Some of the Channel managers refer to "Price Room Source" as "Additional Rate Categories".



Sl.No.	Name	Description
81	Product	A product is defined as a basket of product elements (room type, breakfast, car parking, airport transfer, cot etc.) and has got attributes (price, discounts, payment method, cancellation rule, validity period, minimum length of stay etc.).
82	Product-Channel Mapping	Accommodation Provider can map a product to a channel using the below re-quest. If ICM is enabled for this requestor, then CultSwitch system checks the CCM and HEM and then allows or disallows the product to be mapped to that channel.
83	ProductElement	A product element can be a room, service, amenity, tour or any other element that could be used to create a sell-able product. A sell-able product can contain one or more such elements.
84	ProductID	An ID assigned to a particular product within CultSwitch for reference also referred to as <a href="#">RatePlanID</a> .
85	RateInfoDetails	The OTA_HotelAvailRQ can be requested in two ways. One with ResponseType="RateInfoDetails" and another without the ResponseType attribute. Without the ResponseType attribute is the default, where the availability is calculated using the criteria available for this request and each room/product available under the criteria is then filtered again based on its own constraints like Min/Max LOS, Min/Max AdvanceBookingOffset, <a href="#">Arrival/Departure/Available</a> days and only the final filtered rooms/products are given. Where as with ResponseType="RateInfoDetails", all the rooms and products that match the given search criteria are provided in the response. Along with the response, for each room/product given will also contain the criteria values like Min/Max LOS, Min/Max AdvanceBookingOffset etc. It is the duty of the requestor to calculate from the response, whether the given room/product is available or not.
86	RatePlanID	An ID assigned to a particular product within CultSwitch for reference(also referred to as ProductID).
87	Release Time	Release time is always accompanied with <a href="#">Guaranteed Allotment</a> . The release time mentioned with the contract along side guaranteed allotment specifies that, within the duration of number of days (specified with Release Time) to the arrival date, the Guaranteed Allotment is not valid. In other words, if Release Time is specified as "4" days and Guaranteed Allotment is specified as "2", for the channel in question, an availability of "2" is Guaranteed until "4" days before arrival. If the booking date falls within the "4" days of arrival date, the availability is not guaranteed and can be less than or greater than "2".
88	ResGuestsRPH	This is a reference placeholder, used as an index for a guest in a particular reservation. It is used by the RoomStay and Service objects to indicate which guests are associated with each room stay or service. In CultSwitch context we used it as index to identify different room stays.
89	Room Amenity	Identifies the types of room amenities offered by the property. Refer to OTA-CodeTable Room Amenity Type ( <a href="#">RMA</a> ).
90	RoomID/RoomCode	A unique identifier assigned by CultSwitch system to an accommodation room for future reference purpose. Also referred to as <a href="#">Inventory Code</a> .
91	Sellable products	A sellable product is one of the GuestRoom, MeetingRoom or InventoryBlock. Attributes of SellableProducts are the inventory codes, information on the use, application and sequencing of the inventory information.
92	StandardOccupancy	The default allowed number of persons that could occupy the given entity (room/product). For example, a Double bed room's standard occupancy will be 2 and a triple bedroom's standard occupancy will be 3. For a list of allowed room types and their occupancies, please see <a href="#">Additional Detail Codes</a> in the appendix. It is very important to read section <a href="#">Occupancy</a> under glossary to understand how CultSwitch deals with occupancy before proceeding further.
93	TPA_Extensions	Temporary extension points. As often, most of the time, the OTA specifications for each message do not fulfill all our requirements, OTA has provided the extension points within the XML schema for extended our own required XML structure which are referred to as TPA_Extension.
94	Travel Sector	The business model / sector under which the entity that is being registered belongs to.



## 2 OTA-Messages

### 2.1 Preliminary Note

The CultSwitch uses XML-Documents which follow the standard OTA-Specification and therefore we suggest users to become familiar with it. The XML-Schemas can be downloaded via [www.opentravel.org](http://www.opentravel.org). The following documentation is intended solely as the specification for the CultSwitch and therefore descriptions do not necessarily cover explanations for the schemas itself.

To check the values from the OTA-Specification this is a useful link:

<http://www.opentravel.org/Specifications/SchemaIndex.aspx?FolderName=2006A>

### 2.2 Compatibility Note

With version 3.30, CultSwitch changes the general approach to reserving hospitality goods. From now onwards the focus is widened and instead of simply handling rooms, the CultSwitch executes room **products**. At the moment this change is implemented for the OTA\_HotelAvailRQ/RS and the OTA\_HotelResRQ/RS. The older types of messages are supported but must use the correct value for the generic attribute 'Version'. They will be listed at the end of the message description part of this document.

The logo for cultuzz. is displayed in a bold, blue, lowercase sans-serif font. The letters are closely spaced, and there is a period at the end of the word.

### 2.3 Transactions

The following list contains the transactions handled by CultSwitch. In the first chapter, the function of the content of the message transfer, the integration of the messages and the technical data used will be described. This is followed by an explanation of the technical aspects of the specific OTA transactions, with an illustration of the XML message.

## 3 Technical Function

### 3.1 XML-Elements

The data exchange will be carried out using the standard HTTP protocol. The request message should be sent as POST-DATA within a parameter called 'otaRQ' and the reply message will be written directly into the HTTP-Response by the CultSwitch. CultSwitch accepts request in "text/xml" format only. CultSwitch also supports gzip compression for every request and response. The requesting system should set proper request headers. "PrimaryLangID" is mandatory to post any request to CultSwitch.

CultSwitch accepts data only in UTF-8 encoding format.

The target address for CultSwitch is:

<https://cultswitch.cultuzz.de/cultswitch/processOTA>

Secure target address of CultSwitch:

<https://cultswitch.cultuzz.de:8443/cultswitch/processOTA>

Cultuzz consistently strives to ensure that data security is maintained and that its products are compliant with international security best practises and principles. The PCI (Payment Card Industry) certification proves, that the company has established its own security framework, and that all products and information security policies are in line with PCI guidelines.



### 3.2 HTTP-Ping

The OTA\_PingRQ message may be used for testing application connectivity, by sending some specific text within 'EchoData' element and determining if the receiving application is able to echo back that same text.

---

```
1 <OTA_PingRQ xmlns="http://www.opentravel.org/OTA/2003/05" Version="3.30" TimeStamp=
2     "2011-07-24T10:07:24" Target="Production">
3   <EchoData><![CDATA[Hello World!]]></EchoData>
4 </OTA_PingRQ>
```

---

```
1 <OTA_PingRS Version="3.30" TimeStamp="2011-07-24T10:07:24">
2   <EchoData><![CDATA[Hello World!]]></EchoData>
3 </OTA_PingRS>
```

---

### 3.3 Authentication

The authentication from the request party is actually made by a container element inside the OTA-Message (Authentication per OTA-<POS>-element)

---

```
1 <POS>
2   <Source AgentSine="xxx" AgentDutyCode="xxxxxxxxxx">
3
4   <!-- The source element specifies the source of the request and holds the identifier
5        in the AgentSine attribute as a string (e.g.PMS-ID) and authentication password
6        in the AgentDutyCode attribute as a string. Both values are generated by
7        CultSwitch and transmitted by e-mail at the time of creating a profile using
8        OTA_ProfileCreateRQ. -->
```

```

9
10     <RequestorID Type="10" ID="XXX" ID_Context="CLTZ"/>
11
12     <!-- In this element, the accommodation or hotel whose request and/or data transfer is
13          will be identified with a unique CultSwitch_ID for attribute '@ID', also known
14          as HotelID the value for Type is 10 (OTA-UIT) -->
15
16     <!--
17     <RequestorID Type="10" ID="PartnerID" ID_Context="PartnerName"/>
18
19     InsteadOf providing Cultuzz HotelID, Partner can provide his own ID -->
20
21     <BookingChannel Type="4"/>
22
23     <!-- Here the requestor type must be indicated with the value of the attribute Type',
24          according to the OTA-BookingChannelType (BCT). At the moment the CultSwitch
25          supports BCT = PMS (Type='4') for a PMS and BCT = 'Internet' (Type='7') for a
26          distributor. -->
27
28     </Source>
29 </POS>

```

---

### 3.4 Users Identification



Requestor can be identified by Cultuzz UserID in another 'Source' element under 'POS'. It is mandatory for the functions like RefreshData, making BookingService online/offline, ChannelManagement and DistributorConnections.

```

1 <POS>
2   <Source>...</Source>
3   <Source>
4     <RequestorID ID="15104" Type="1" URL="urn:cultuzz:cultswitch:auth:username"
5         ID_Context="CLTZ"/>
6     <BookingChannel Type="7"/>
7   </Source>
8 </POS>

```

---

## 4 Integrated Channel Management

"Integrated Channel Management", the most modern concept in channel management, which means that the Channel Manager is completely invisible and the entire channel management can be done by the accommodation provider on the user interface of the PMS. To make this work it is necessary that Cultuzz inventory is synchronized with Channel inventory (Cultuzz needs to know the accommodations (objects), room types (product elements) and their rates and policies (products).

Once this is done, PMS needs a channel management system to connect to several channels via Cultuzz. For this we have the best technical interface specification. Everything can work automatically and without (may be with minimal) manual support. And so following this concept, we automatized the communication between PMS partners and channels completely.

- Accommodation can sell its products on a particular channel (in general)
- Accommodation can sell a particular product on a particular channel



### 4.1 Object - Channel mapping and demapping for both Push and Pull channels

#### Push Channel Mapping

Object needs to provide some basic necessary information regarding the distributor to establish a connection between an Object and the distributor with the below xml.

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_HotelDescriptiveContentNotifRQ PrimaryLangID="en"
3   Target="Production" TimeStamp="2007-06-25T12:34:13" Version="3.30"
4   xmlns="http://www.opentravel.org/OTA/2003/05">
5   <POS>...</POS>
6   <HotelDescriptiveContents>
7     <HotelDescriptiveContent CurrencyCode="EUR" LanguageCode="EN"
8       HotelCode="12400" HotelCodeContext="CLTZ">
9       <TPA_Extensions>
10        <ChannelInfos>
11          <ChannelInfo CodeContext="DistributorsConnection"
12            DistributorID="13002" Status="2" State="open"
13            URL="www.feratel.com" TerminalID="HF4568"
14            MapURL="https://germany.channel.travel/tconnector/ota20plus"
15            ResURL="https://germany.channel.travel/tconnector/ota20book" >
16
17      <!-- To map an accommodation to a distributor, we need to specify the distributorID under
18           the attribute 'DistributorID' and Status as '2'.
19
20           To Demap an accommodation to a distributor, we need to specify the distributorID under
21           the attribute 'DistributorID' and Status as '0'.
22
23           Accommodation specific URLs for this distributor must be specified under attributes
24           URL (to send availability and rates), MapURL (to get rate list from distributor),
25           ResURL (to import reservations from the distributor).
26
27           TerminalID is used to provide a type of authentication for channel. -->
28
29      <!-- Accommodation can block/unblock the traffic between the Cultuzz and distributor
30           by using State attribute. While doing this action, accommodation connection status
31           remains as same.
32
33           The attribute 'State' can have values of "open" or "closed". When a value of
34           attribute 'State' is closed means, that particular accommodation will be blocked
35           for this specified distributor which means, the data transfer between Cultuzz and
36           distributor will be blocked for this specific accommodation. "open" for attribute
37           'State', removes this restriction and traffic will continue. -->
38
39     <RegistrationInfo CompanyName="TestChannel" ChannelHotelID="24705"
40       ContractEndDate="2012-10-30T19:28:37" Newpassword="test123"
```



```

41         Oldpassword="test123" UserName="Test.CULTUZZ" ContractName="XXX"
42         IncomingOfficeCode="XXX" SequenceCode="XXX">
43
44     <!-- To establish a proper connection between an Object and the distributor, Cultuzz
45     requires authentication data which is given by distributor to the Object. -->
46
47     <!-- Object can optionally provide the below information with the below optional xml
48     elements. -->
49         <Periods>
50             <Period CodeContext="timeInAdvance">
51                 <Deadline OffsetTimeUnit="m" OffsetUnitMultiplier="12"/>
52             </Period>
53             <Period CodeContext="Contract">
54                 <Deadline OffsetTimeUnit="m" OffsetUnitMultiplier="12"/>
55             </Period>
56         </Periods>
57
58     <!-- Each Period specifies its own function as mentioned in the CodeContext.
59     OffsetUnitMultiplier provides the duration value and OffsetTimeUnit provides the
60     duration type. 'OffsetTimeUnit' can be m(Months)/w(Weeks)/d(Days). -->
61
62
63     </RegistrationInfo>
64     <ConnectionInfos>
65
66     <!-- Each and every distributor connection process contain 5 steps. Those steps
67     are specified under 'ProcessedStep' and 'Name' attributes. 'UserID' holds the
68     Id of the person who is responsible for that particular step. -->
69
70
71         <ConnectionInfo ProcessedStep="1" Name="Cultuzz received the Contract"
72             UserID="13524" ID_Context="CLTZ"/>
73         <ConnectionInfo ProcessedStep="2" Name="Channel registration is
74             successfully completed" UserID="13524" ID_Context="CLTZ"/>
75         <ConnectionInfo ProcessedStep="3" Name="All the information has been
76             received by cultuzz and no further information is require"
77             UserID="13524" ID_Context="CLTZ"/>
78         <ConnectionInfo ProcessedStep="4" Name="The connection between
79             CultSswitch and channel is established" UserID="13524" ID_Context="CLTZ"/>
80         <ConnectionInfo ProcessedStep="5" Name="Process Completed"
81             UserID="13524" ID_Context="CLTZ"/>
82     </ConnectionInfos>
83     </ChannelInfo>
84     <ChannelInfo CodeContext="DistributorsConnection" DistributorID="13002"
85         Status="0" Action="Disconnect/NewConnection/Apply"
86         DayDelete="2012-10-30T15:57:57"/>
87
88     <!-- Here 'Status' should be '0' for all the different actions under the 'Action' attribute.
89     Only in the case of action as 'Apply', DayDelete attribute is used to specify the date
90     and Status should be "2".
91
92
93     Disconnect: Change the object to channel status and remove the connection information.
94     NewConnection: Remove the all mapping information related to object and channel.
95     Apply: Disconnect the accommodation and channel mapping status on given Date.
96     -->
97
98     </ChannelInfos>
99     </TPA_Extensions>
100     </HotelDescriptiveContent>
101     </HotelDescriptiveContents>
102 </OTA_HotelDescriptiveContentNotifRQ>

```



## Response

```

1 <OTA_HotelDescriptiveContentNotifRS PrimaryLangID="en"
2 Target="Production" TimeStamp="2011-08-01T09:56:01"
3 TransactionIdentifier="1514dc61-14f9-463a-94e0-19ce2323f2fa--1484716196"
4 Version="3.30" xmlns="http://www.opentravel.org/OTA/2003/05">
5
6 <Success/>
7 <TPA_Extensions>
8 <ResponseTime ProcessTime="16.243" ProcessTimeUnit="Seconds"
9     RequestStartTime="2012-11-16 14:45:22.709"
10     ResponseEndTime="2012-11-16 14:45:38.952"/>
11 </TPA_Extensions>
12
13 </OTA_HotelDescriptiveContentNotifRS>

```

## Pull Channel Mapping

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_HotelDescriptiveContentNotifRQ PrimaryLangID="en"
3   Target="Production" TimeStamp="2007-06-25T12:34:13" Version="3.30"
4   xmlns="http://www.opentravel.org/OTA/2003/05">
5   <POS>...</POS>
6   <HotelDescriptiveContents HotelCode="12400">
7     <HotelDescriptiveContent CurrencyCode="EUR" LanguageCode="EN">
8       <TPA_Extensions>
9         <ChannelInfos>
10          <ChannelInfo CodeContext="DistributorsConnection" DistributorID="12828"
11            State="open" Status="2">
12
13      <!-- To map an accommodation to a distributor, we need to specify the distributorID under
14         the attribute 'DistributorID' and Status as '2'.
15
16         To Demap an accommodation to a distributor, we need to specify the distributorID under
17         the attribute 'DistributorID' and Status as '0'. -->
18
19      <!-- The attribute 'State' can have values of "open" or "closed". When a value of
20         attribute 'State' is closed means, that particular accommodation will be blocked
21         for this specified distributor which means, the data transfer between Cultuzz and
22         distributor will be blocked for this specific accommodation. "open" for attribute
23         'State', removes this restriction and traffic will continue. -->
24
25      <!-- No need to provide the remaining registration information as like Push distributor.-->
26
27         </ChannelInfo>
28       </ChannelInfos>
29     </TPA_Extensions>
30   </HotelDescriptiveContent>
31 </HotelDescriptiveContents>
32 </OTA_HotelDescriptiveContentNotifRQ>
```



## Response

```
1 <OTA_HotelDescriptiveContentNotifRS PrimaryLangID="en"
2   Target="Production" TimeStamp="2011-08-01T09:56:01"
3   TransactionIdentifier="1514dc61-14f9-463a-94e0-19ce2323f2fa--1484716196"
4   Version="3.30" xmlns="http://www.opentravel.org/OTA/2003/05">
5   <Success/>
6   <TPA_Extensions>
7
8   <ResponseTime ProcessTime="11.091" ProcessTimeUnit="Seconds"
9     RequestStartTime="2012-11-16 14:46:56.784"
10    ResponseEndTime="2012-11-16 14:47:07.875"/>
11
12 </TPA_Extensions>
13 </OTA_HotelDescriptiveContentNotifRS>
```

## 4.2 Additional Features for Object - Channel mapping

Object can provide additional Features regarding the distributor to establish a connection between an Object and the distributor with the below xml.

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_HotelDescriptiveContentNotifRQ PrimaryLangID="en"
3   Target="Production" TimeStamp="2007-06-25T12:34:13" Version="3.30"
4   xmlns="http://www.opentravel.org/OTA/2003/05">
5   <POS>...</POS>
6   <HotelDescriptiveContents>
7     <HotelDescriptiveContent CurrencyCode="EUR" LanguageCode="EN"
8       HotelCode="12400" HotelCodeContext="CLTZ">
9       <TPA_Extensions>
10        <ChannelInfos>
11          <ChannelInfo CodeContext="DistributorsConnection"
12            DistributorID="13002" Status="2" State="open" >
13            <Services>
14              <Service Code="13002" CodeDetail="CltzDistributorID">
15                <Features>
16                  <Feature AccessibleCode="0" CodeDetail="HotelID"
17                    ExistsCode="2" ProximityCode="0">
18                    <Description CodeDetail="Value" ContentCaption="12400"/>
19                  </Feature>
20                  <Feature CodeDetail="Period" ExistsCode="23" ProximityCode="0">
21                    <Description CodeDetail="Value" ContentCaption="2"/>
22                  </Feature>
23
24                  <!-- Here, 'ContentCaption="2"' referred as how many years/months/days of duration. -->
25
26                  <Feature AccessibleCode="23" CodeDetail="DurationType"
27                    ExistsCode="25" ProximityCode="0">
28                    <Description CodeDetail="Value" ContentCaption="y"/>
29
30                  <!-- Here, 'CodeDetail="DurationType"' indicates the type of duration period in
31                   years(y)/months(m)/days(d). Attribute 'AccessibleCode="23"' is reference to 'ExistsCode="23"'
32                   of 'CodeDetail="Period"' which defines Contract Duration. -->
33
34                  </Feature>
35                  <Feature AccessibleCode="0" CodeDetail="ChannelUserID"
36                    ExistsCode="76" ProximityCode="0">
37                    <Description CodeDetail="Value" ContentCaption="xxxx"/>
38                  </Feature>
39                  <Feature AccessibleCode="0" CodeDetail="ChannelPassword"
40                    ExistsCode="77" ProximityCode="0">
41                    <Description CodeDetail="Value" ContentCaption="xxxx"/>
42                  </Feature>
43                  <Feature ExistsCode="84" CodeDetail="Validity" ProximityCode="1">
44                    <Description ContentCaption="2015-11-06::2015-11-12" CodeDetail="Value"/>
45                  </Feature>
46                  <Feature ExistsCode="84" CodeDetail="Validity" ProximityCode="2">
47                    <Description ContentCaption="2016-11-06::2016-11-12" CodeDetail="Value"/>
48                  </Feature>
49
50                  <!-- ExistsCode "84" indicates Validity period of the Hotel. And Hotel may have multiple
51                   validity periods, so we can use different "ProximityCode" values to insert multiple
52                   validity periods. -->
53
54                  </Features>
55                </Service>
56              </Services>
57            </ChannelInfo>
58          </ChannelInfos>
59        </TPA_Extensions>
60      </HotelDescriptiveContent>
61    </HotelDescriptiveContents>
62  </OTA_HotelDescriptiveContentNotifRQ>
```



## Response

```
1 <OTA_HotelDescriptiveContentNotifRS PrimaryLangID="en"
2   Target="Production" TimeStamp="2011-08-01T09:56:01"
3   TransactionIdentifier="1514dc61-14f9-463a-94e0-19ce2323f2fa--1484716196"
4   Version="3.30" xmlns="http://www.opentravel.org/OTA/2003/05">
5   <Success/>
6   <TPA_Extensions>
7     <ResponseTime ProcessTime="11.091" ProcessTimeUnit="Seconds"
8       RequestStartTime="2012-11-16 14:46:56.784" ResponseEndTime="2012-11-16 14:47:07.875"/>
```

9 </TPA\_Extensions>  
10 </OTA\_HotelDescriptiveContentNotifRS>

---

**cultuzz.**

### 4.3 Get Distributor's Connection Status List for a Specific Object

Object will send a new XML message to CultSwitch asking for the list of distributors along with their connection status.

```
1 <OTA_HotelDescriptiveInfoRQ xmlns="http://www.opentravel.org/OTA/2003/05"
2     TimeStamp="2011-07-05T09:56:01" Target="Production"
3     Version="3.30"
4     PrimaryLangID="en">
5     <POS>...</POS>
6     <HotelDescriptiveInfos>
7         <HotelDescriptiveInfo HotelCode="12400" HotelCodeContext="CLTZ" LanguageCode="en">
8             <ContentInfos>
9                 <ContentInfo Name="DistributorsConnection" Code="13002" />
10            </ContentInfos>
11        </HotelDescriptiveInfo>
12    </HotelDescriptiveInfos>
13    </OTA_HotelDescriptiveInfoRQ>
```

*11 <!-- To list the whole information related to a specific distributor by specifying a distributorID under the attribute "Code".*

*14 Ignore Code attribute, to list all the push and pull distributors connection status information. -->*



#### Response

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_HotelDescriptiveInfoRS PrimaryLangID="en" Target="Production"
3     TimeStamp="2013-02-28T06:20:55"
4     TransactionIdentifier="bf895b7a-f134-4fed-8b5e-c339f12875e7-1214641009"
5     Version="3.30" xmlns="http://www.opentravel.org/OTA/2003/05">
6     <Success/>
7     <HotelDescriptiveContents>
8         <HotelDescriptiveContent CurrencyCode="EUR" HotelCode="12400"
9             HotelCodeContext="CLTZ" HotelName="Hotel Li Graniti" LanguageCode="en">
10            <TPA_Extensions>
11                <ChannelInfos>
12                    <ChannelInfo CodeContext="DistributorsConnection" DistributorID="13002"
13                        DistributorStatus="1" HotelStatus="1" Name="Feratel Deskline 3.0"
14                        State="open" Status="2" Type="Push" URL="www.feratel.com"
15                        MapURL="https://germany.channel.travel/tconnector/ota20plus"
16                        ResURL="https://germany.channel.travel/tconnector/ota20book"
17                        RegistrationDate="2009-12-23T09:38:38" ActivationTime="2009-12-23T09:38:41"
18                        InquiryDate="2009-12-18T14:36:03" AcceptFee="true" AcceptWarranty="false"
19                        AnswerDate="2010-01-15T11:18:27" TerminalID="HF4568" >
20                </ChannelInfos>
21                <!-- If 'GenerateContract' has a value true, then the Object will have dynamic PDF
22                    for this distributor. Else, it has a static PDF. 'RegistrationDate' and
23                    'ActivationTime' attributes specifies when the registrations and activations
24                    are done. -->
25                <ContractInfo Download="true" FileName="pdf_dok2200.pdf"
26                    Name="Booking_Aktivierung_Anleitung" ShowPDF="true"/>
27                <RegistrationInfo CompanyName="TestChannel" ChannelHotelID="24705"
28                    ContractEndDate="2012-10-30T19:28:37" Newpassword="test123"
29                    Oldpassword="test123" UserName="Test.CULTUZZ">
30                <Periods>
31                    <Period Code="timeInAdavance">
32                        <Deadline OffsetTimeUnit="m" OffsetUnitMultiplier="12"/>
33                    </Period>
34                    <Period Code="Contract">
35                        <Deadline OffsetTimeUnit="m" OffsetUnitMultiplier="12"/>
36                    </Period>
37                </Periods>
38                </RegistrationInfo>
39                <ConnectionInfos>
40                    <ConnectionInfo ProcessedStep="1" Name="Cultuzz received the Contract"
41                        UserID="13524" CodeContext="CLTZ"/>
42                    <ConnectionInfo ProcessedStep="2" Name="Channel registration is
43                        successfully completed" UserID="13524" CodeContext="CLTZ"/>
44                    <ConnectionInfo ProcessedStep="3" Name="All the information has been
45                        received by cultuzz and no further information is require"
46                        UserID="13524" CodeContext="CLTZ"/>
47                    <ConnectionInfo ProcessedStep="4" Name="The connection between
48                        CultSswitch and channel is established" UserID="13524"
49                </ConnectionInfos>
```

```

50         CodeContext="CLTZ"/>
51     <ConnectionInfo ProcessedStep="5" Name="Process Completed"
52         UserID="13524" CodeContext="CLTZ"/>
53 </ConnectionInfos>
54     <AccountInfo currencyCode="EUR">
55
56 <!-- Extra fees for distributor can be mentioned here. -->
57
58     <Fee Amount="2500.00" Code="Fee1"/>
59     <Fee Amount="1000.00" Code="Fee2"/>
60     <Fee Amount="20.00" Code="Fee3"/>
61 </AccountInfo>
62     <ProductInfo MappedProductsCount="5"/>
63     <HistoryInfos>
64     <HistoryInfo Action="EntsperreHotel" Date="2011-01-20T11:15:48"
65         UserID="14647"/>
66     <HistoryInfo Action="Activate" Date="2009-07-09T19:51:09"
67         UserID="8484"/>
68 </HistoryInfos>
69 <Services>
70     <Service Code="13002" CodeDetail="CltzDistributorID">
71         <Features>
72             <Feature AccessibleCode="0" CodeDetail="HotelID"
73                 ExistsCode="2" ProximityCode="0">
74                 <Description CodeDetail="Value" ContentCaption="12400"/>
75             </Feature>
76             <Feature CodeDetail="Period" ExistsCode="23" ProximityCode="0">
77                 <Description CodeDetail="Value" ContentCaption="2"/>
78             </Feature>
79             <Feature AccessibleCode="23" CodeDetail="DurationType"
80                 ExistsCode="25" ProximityCode="0">
81                 <Description CodeDetail="Value" ContentCaption="y"/>
82             </Feature>
83             <Feature AccessibleCode="0" CodeDetail="ChannelUserID"
84                 ExistsCode="76" ProximityCode="0">
85                 <Description CodeDetail="Value" ContentCaption="xxxx"/>
86             </Feature>
87             <Feature AccessibleCode="0" CodeDetail="ChannelPassword"
88                 ExistsCode="77" ProximityCode="0">
89                 <Description CodeDetail="Value" ContentCaption="xxxx"/>
90             </Feature>
91             <Feature ExistsCode="84" CodeDetail="Validity" ProximityCode="1">
92                 <Description ContentCaption="2015-11-06::2015-11-12" CodeDetail="Value"/>
93             </Feature>
94             <Feature ExistsCode="84" CodeDetail="Validity" ProximityCode="2">
95                 <Description ContentCaption="2016-11-06::2016-11-12" CodeDetail="Value"/>
96             </Feature>
97         </Features>
98     </Service>
99 </Services>
100 </ChannelInfo>
101 </ChannelInfos>
102 </TPA_Extensions>
103 </HotelDescriptiveContent>
104 </HotelDescriptiveContents>
105 <TPA_Extensions>
106     <ResponseTime ProcessTime="2.415" ProcessTimeUnit="Seconds"
107         RequestStartTime="2013-02-28 06:20:52.853"
108         ResponseEndTime="2013-02-28 06:20:55.268"/>
109 </TPA_Extensions>
110 </OTA_HotelDescriptiveInfoRS>

```

**cultuzz.**

## 4.4 Scheduling Channel Connection Status

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_HotelDescriptiveContentNotifRQ PrimaryLangID="en"
3     Target="Production" TimeStamp="2007-06-25T12:34:13" Version="2.00"
4     xmlns="http://www.opentravel.org/OTA/2003/05">
5     <POS>XXX</POS>
6     <HotelDescriptiveContents HotelCode="12400">
7         <HotelDescriptiveContent HotelCode="12400" Overwrite="true">
8             <TPA_Extensions>
9                 <ChannelInfos>
10                    <ChannelInfo CodeContext="DistributorsConnection" State="open"
11                        DistributorID="6484" ExpireDate="2013-05-10T08:57:40"
12                        EffectiveDate="2013-05-31T08:57:40"/>
13
14                <!-- Case1: Activate the channel connection status for the time period specified
15                    under the attributes EffectiveDate and ExpireDate. After the very next
16                    day of ExpireDate, the channel connection status will deactivate
17                    automatically and viceversa. -->
18
19                <!-- Case2: <ChannelInfo CodeContext="DistributorsConnection" State="closed"
20                    DistributorID="6484" ExpireDate="2013-05-31T08:57:40"/>
21
22                    Here, Deactivate the channel connection status from EffectiveDate to timely unlimited.
23
24                Case3: <ChannelInfo CodeContext="DistributorsConnection" State="open"
25                    DistributorID="6484" ExpireDate="2013-05-10T08:57:40"/>
26
27                    Activate the channel connection status from the present date to until some
28                    future date specified under ExpireDate. After the very next day of ExpireDate,
29                    the status will deactivate automatically and viceversa. -->
30
31                </ChannelInfos>
32            </TPA_Extensions>
33        </HotelDescriptiveContent>
34    </HotelDescriptiveContents>
35 </OTA_HotelDescriptiveContentNotifRQ>
```



## 4.5 Listing the Capabilities of a Channel (CCM)

Each and every feature supported by Cultuzz can be called as "Capability" and every Booking channel will have a Capability set.

### Channel Capability Matrix (CCM):

A channel capability matrix is a matrix consisting of the capabilities a particular channel supports. For each capability, this matrix will have three possible characteristics:

- a) Whether a capability is supported and a mandate (required) by channel
- b) Whether a capability is supported but not a mandate (required) by channel
- c) Whether a capability is not supported by channel

As part of Integrated Channel Management (ICM), we have integrated this CCM into our CultSwitch.



Use the following request to know the CCM of a channel.

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_HotelDescriptiveInfoRQ xmlns="http://www.opentravel.org/OTA/2003/05" Version="3.30"
3   Timestamp="2011-07-05T09:56:01" Target="Production" PrimaryLangID="en">
4   <POS>...</POS>
5   <HotelDescriptiveInfos>
6     <HotelDescriptiveInfo HotelCode="12400" HotelCodeContext="CLTZ">
7       <ContentInfos>
8         <ContentInfo Name="CCMList" Code="7563"/>
9
10        <!-- If the attribute Code is not specified, then response will contain CapabilityMatrix
11         for all the distributors supported by Cultuzz. -->
12
13         <ContentInfo Name="CCMList" Code="6484"/>
14
15        <!-- Request can contain multiple ContentInfo elements to get CapabilityMatrix for
16         different specific distributors. -->
17
18       </ContentInfos>
19     </HotelDescriptiveInfo>
20   </HotelDescriptiveInfos>
21 </OTA_HotelDescriptiveInfoRQ>
```

### Response

All the features are listed with the appropriate AccessibleCode. Here the values 26, 24, 19, etc., provided by the ExistCode attribute, refers to the feature IDs and the CodeDetail specifies the name of the feature. Possible values for AccessibleCode are 0/2/3.

- 0: Not Supported
- 2: Supported and Not Mandatory
- 3: Supported and Mandatory

Capabilities can be divided into two categories.

1. Compatibility types
2. Update possibility types

Ex : A Distributor XYZ is allowing products with Booking Guarantee Credit Card, None, Deposit. And every product should have a Guarantee type. So the list, provided by the XML response, will be,



ExistCode \_ CodeDetail \_ AccessibleCode  
42 \_ Booking Guarantee: Any \_ not listed  
43 \_ Booking Guarantee: Credit Card \_ 2  
44 \_ Booking Guarantee: E-mail \_ 0  
45 \_ Booking Guarantee: No Guarantee \_ 2  
46 \_ Booking Guarantee: Deposit \_ 2

If "42 Booking Guarantee: Any " has value 2/3, then no need to consider others (43,44,45,46) i.e Distributor XYZ is allowing Products with Any Guarantee Type. But in the above case Distributor is not compatible with products having "Booking Guarantee: Any". So the CCM is listed as above.

"FeatureName : Any" means feature with any value is compatible with Channel. Single valued features will be listed like "Feature"(with out ":Any" and with ":XXXX"). "FeatureName : XXXX" means feature with specific value is compatible with channel.

If Distributor XYZ is accepting Guarantee type update for products, then our matrix will have below entry

47 Booking Guarantee Update with value 2

That means updating Guarantee type of a product is allowed by this channel. In other words, channel is capable of capturing this update from Cultuzz. So Cultuzz can process this update to channel.

However this update should be done with in the compatibility level. In our above case, Guarantee type can be changed to Credit Card, None, Deposit. But not to E-Mail, as it is is not supported by the Distributor XYZ.

Channel Capability Matrix (CCM) also supports the Min Limit, Max Limit Values, Label Name and Data-Type of each Capability. If a Channel has a capability with value supported (2/3), then the CCM must be capable to capture if there are any lower and upper limits on the value for that Capability.

Example:

Capability Name = MinStay (Capability Name as Per CultSwitch)

Capability ID = 28

Label\_EN = MinLOS (Naming Convention in Channel)

Min Value = 3

Max Value = 10

Data type = Integer (Means Numeric Values only Supported)

Status = 3 (Supported : Channel Supporting it)

i) CCM captures lower (Min Value) and upper (Max Value) limits and label name with the given data type on the value for that Capability.

ii) If a Hotel wants to set MinLOS for a room for Channel, then CultSwitch will show "Max Allowed Value" for Channel for that capability.

iii) CultSwitch will restrict hotelier to set Capability for a room for a Channel with greater than "Max Allowed Value" for that capability.



```

2 <OTA_HotelDescriptiveInfoRS PrimaryLangID="en" Target="Production"
3   Timestamp="2013-02-15T12:12:29"
4   TransactionIdentifier="2ad7d3b5-7ea4-48a1-8153-3a7e79c5842f-720471828"
5   Version="3.30" xmlns="http://www.opentravel.org/OTA/2003/05">
6   <Success/>
7   <HotelDescriptiveContents>
8     <HotelDescriptiveContent HotelCode="12400" HotelCodeContext="CTLZ"
9       LanguageCode="en">
10     <HotelInfo>
11     <Services>
12       <Service CodeDetail="CltzDistributorID" Code="7563">
13         <Features>
14           <Feature ExistsCode="43" CodeDetail="Booking Guarantee: Credit Card"
15             AccessibleCode="2"/>
16           <Feature ExistsCode="44" CodeDetail="Booking Guarantee: E-mail"
17             AccessibleCode="0"/>
18           <Feature ExistsCode="45" CodeDetail="Booking Guarantee: No Guarantee"
19             AccessibleCode="2"/>
20           <Feature ExistsCode="46" CodeDetail="Booking Guarantee: Deposit"
21             AccessibleCode="2"/>
22           <Feature ExistsCode="47" CodeDetail="Booking Guarantee Update"
23             AccessibleCode="2"/>
24         </Features>
25       </Service>
26       <Service CodeDetail="CltzDistributorID" Code="6484">
27         <Features>
28           <Feature ExistsCode="24" CodeDetail="MinStay" AccessibleCode="0">
29             <Description ContentCaption="MinLOS" CodeDetail="Label"/>
30             <Description ContentCaption="Integer" CodeDetail="DataType"/>
31             <Description ContentCaption="3" CodeDetail="MinValue"/>
32             <Description ContentCaption="10" CodeDetail="MaxValue"/>
33           </Feature>
34           <Feature ExistsCode="14" CodeDetail="UserName" AccessibleCode="0">
35             <Description ContentCaption="UserID" CodeDetail="Label"/>
36             <Description ContentCaption="String" CodeDetail="DataType"/>
37             <Description ContentCaption="4" CodeDetail="MinValue"/>
38             <Description ContentCaption="100" CodeDetail="MaxValue"/>
39           </Feature>
40         </Features>
41         <!-- All the features are listed with the appropriate AccessibleCode. Here the values
42           24,14 specified in the attribute ExistCode refers to the capability IDs and the attribute
43           CodeDetail specifies the name of the feature.
44           Possible values for AccessibleCode are 0/2/3.
45           0: Not Supported
46           2: Supported and Not Mandatory
47           3: Supported and Mandatory
48           Lable name, Data type, MinValue, MaxValue will be specified under Description elements
49           with the attributes ContentCaption and CodeDetail. -->
50         </Features>
51       </Service>
52     </Services>
53   </HotelInfo>
54 </HotelDescriptiveContent>
55 </HotelDescriptiveContents>
56 <TPA_Extensions>
57   <ResponseTime ProcessTime="1.185" ProcessTimeUnit="Seconds"
58     RequestStartTime="2013-02-19 11:37:12.698"
59     ResponseEndTime="2013-02-19 11:37:13.883"/>
60 </TPA_Extensions>
61 </OTA_HotelDescriptiveInfoRS>

```



## 4.6 Listing Hotelier Expectation Matrix (HEM)

### Hotelier Expectation Matrix (HEM):

A hotelier expectation matrix is a matrix consisting of the "hotelier expectations". For each of the identified capabilities we will again have three possible characteristics:

- a) Whether a hotelier expects this setting to be pushed to channel as a mandate (required)
- b) Whether a hotelier expects this setting to be pushed to channel but s/he is okay if this setting cannot be applied or not supported by channel (nice to have)
- c) Whether a hotelier do not expect this setting to be pushed to channel (not-required)

A set of universal capabilities are identified first. By default we have come up with a default hotelier expectation matrix with a fixed set of capabilities and their default settings. It is called as "Default HEM".

For each capability this matrix will have three possible characteristics:

1. Nice to Have
2. Not Required
3. Required




---

```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_HotelDescriptiveInfoRQ xmlns="http://www.opentravel.org/OTA/2003/05" Version="3.30"
3   Timestamp="2011-07-05T09:56:01" Target="Production" PrimaryLangID="en">
4   <POS>...</POS>
5   <HotelDescriptiveInfos>
6     <HotelDescriptiveInfo HotelCode="12400" HotelCodeContext="CLTZ">
7       <ContentInfos>
8         <ContentInfo Name="HEMList"/>
9       </ContentInfos>
10    </HotelDescriptiveInfo>
11  </HotelDescriptiveInfos>
12 </OTA_HotelDescriptiveInfoRQ>

```

---

## Response

---

```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_HotelDescriptiveInfoRS PrimaryLangID="en" Target="Production" Version="3.30"
3   TransactionIdentifier="2ad7d3b5-7ea4-48a1-8153-3a7e79c5842f-720471828"
4   xmlns="http://www.opentravel.org/OTA/2003/05" Timestamp="2013-02-15T12:12:29">
5   <Success/>
6   <HotelDescriptiveContents>
7     <HotelDescriptiveContent HotelCode="12400" HotelCodeContext="CLTZ"
8       LanguageCode="en">
9       <HotelInfo>
10        <Services>
11          <Service>
12            <Features>
13              <Feature ExistsCode="42" CodeDetail="Booking Guarantee: Any"
14                AccessibleCode="3"/>
15              <Feature ExistsCode="43" CodeDetail="Booking Guarantee: Credit Card"
16                AccessibleCode="3"/>
17              <Feature ExistsCode="44" CodeDetail="Booking Guarantee: E-mail"
18                AccessibleCode="3"/>
19              <Feature ExistsCode="45" CodeDetail="Booking Guarantee: No Guarantee"
20                AccessibleCode="3"/>
21              <Feature ExistsCode="46" CodeDetail="Booking Guarantee: Deposit"
22                AccessibleCode="3"/>
23              <Feature ExistsCode="47" CodeDetail="Booking Guarantee Update"
24                AccessibleCode="3"/>
25            </Features>
26          </Service>
27        </Services>
28      </HotelInfo>
29    </HotelDescriptiveContent>
30  </HotelDescriptiveContents>
31  <TPA_Extensions>
32    <ResponseTime RequestStartTime="2013-02-19 11:37:12.698" ProcessTime="1.185"
33      ResponseEndTime="2013-02-19 11:37:13.883" ProcessTimeUnit="Seconds"/>
34  </TPA_Extensions>
35 </OTA_HotelDescriptiveInfoRS>

```

---

## 4.7 Export Hotelier Expectation Matrix (HEM) to Cultuzz

The accommodation providers are free to upload their own hotelier expectation matrix using the following xml.

---

```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_HotelDescriptiveContentetNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05"

```

```

3   TimeStamp="2013-02-15T12:12:29" Target="Production" Version="3.30" PrimaryLangID="en">
4   <POS>...</POS>
5   <HotelDescriptiveContents>
6     <HotelDescriptiveContent HotelCode="12400" HotelCodeContext="CLTZ">
7       <HotelInfo>
8         <Services>
9           <Service>
10            <Features>
11              <Feature ExistsCode="42" CodeDetail="Booking Guarantee: Any"
12                AccessibleCode="3"/>
13              <Feature ExistsCode="43" CodeDetail="Booking Guarantee: Credit Card"
14                AccessibleCode="3"/>
15              <Feature ExistsCode="44" CodeDetail="Booking Guarantee: E-mail"
16                AccessibleCode="3"/>
17              <Feature ExistsCode="45" CodeDetail="Booking Guarantee: No Guarantee"
18                AccessibleCode="3"/>
19              <Feature ExistsCode="46" CodeDetail="Booking Guarantee: Deposit"
20                AccessibleCode="3"/>
21              <Feature ExistsCode="47" CodeDetail="Booking Guarantee Update"
22                AccessibleCode="3"/>
23            </Features>
24          </Service>
25        </Services>
26      </HotelInfo>
27    </HotelDescriptiveContent>
28  </HotelDescriptiveContents>
29 </OTA_HotelDescriptiveContentenetNotifRQ>

```



## Response

```

1   <?xml version="1.0" encoding="UTF-8"?>
2   <OTA_HotelDescriptiveContentNotifRS PrimaryLangID="en" Target="Production"
3     TimeStamp="2013-02-15T12:12:29"
4     TransactionIdentifier="2ad7d3b5-7ea4-48a1-8153-3a7e79c5842f-720471828"
5     Version="3.30" xmlns="http://www.opentravel.org/OTA/2003/05">
6     <Success/>
7     <TPA_Extensions>
8       <ResponseTime ProcessTime="0.453" RequestStartTime="2013-02-18 09:56:01.213"
9         ResponseEndTime="2013-02-18 09:56:01.666" ProcessTimeUnit="Seconds"/>
10    </TPA_Extensions>
11  </OTA_HotelDescriptiveContentNotifRS>

```

## 4.8 Listing Channel Products

In General, an accommodation provider will create room types and rates in the channel using channel extranet. To map our products to push channel, Cultuzz needs RateID, RoomTypeCode as listed in the channel. To get this rate list from the channel use the below XML.

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_HotelDescriptiveInfoRQ xmlns="http://www.opentravel.org/OTA/2003/05" Version="3.30"
3   Timestamp="2001-12-17T09:30:47" Target="Production" PrimaryLangID="en">
4   <POS>...</POS>
5   <HotelDescriptiveInfos>
6     <HotelDescriptiveInfo HotelCode="12400" HotelCodeContext="CLTZ">
7       <ContentInfos>
8         <ContentInfo Name="DistributorRateList" Code="7563" />
9
10    <!-- Provide distributorID under the attribute Code to get the rate list
11         for a specific distributor. -->
12
13    </ContentInfos>
14  </HotelDescriptiveInfo>
15 </HotelDescriptiveInfos>
16 </OTA_HotelDescriptiveInfoRQ>
```



### Response

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_HotelDescriptiveInfoRS PrimaryLangID="en" Target="Production"
3   Timestamp="2013-02-15T12:12:29"
4   TransactionIdentifier="2ad7d3b5-7ea4-48a1-8153-3a7e79c5842f-720471828"
5   Version="3.30" xmlns="http://www.opentravel.org/OTA/2003/05">
6   <Success/>
7   <HotelDescriptiveContents>
8     <HotelDescriptiveContent HotelCode="12400" HotelCodeContext="CLTZ"
9       LanguageCode="en">
10      <TPA_Extensions>
11        <RatePlans>
12          <RatePlan>
13            <SellableProducts>
14
15            <!-- In the below SellableProduct element, each attribute specifies the following.
16                 InvCode : DistributorRoomID, InvType : DistributorRoomName,
17                 InvGroupingCode : DistributorRateID, RoomID : DistributorRoomID,
18                 RoomType : RoomTypeName, RoomTypeCode : IntegerRoomTypeCode,
19                 Description ->Name :DistributorRateName, UniqueID->ID :CltzDistributorID -->
20
21            <SellableProduct InvCode="897541147" InvType="Single Room"
22              InvGroupingCode="78457441" InvStatusType="Active">
23              <GuestRoom>
24                <Room RoomID="897541147" RoomType="SingleBedRoom"
25                  RoomTypeCode="7"/>
26              <Quantities StandardOccupancy="1" MaxOccupancy="1"/>
27            </GuestRoom>
28            <Description Name="Standard Rate"/>
29            <UniqueID ID="7563" ID_Context="DistributorRateList" Type="18"/>
30            </SellableProduct>
31            <SellableProduct InvCode="897541148" InvType="Double Room"
32              InvGroupingCode="78457441" InvStatusType="Active">
33              <GuestRoom>
34                <Room RoomID="897541148" RoomType="DobleBedRoom"
35                  RoomTypeCode="5"/>
36              <Quantities StandardOccupancy="2" MaxOccupancy="3"/>
37            </GuestRoom>
38            <Description Name="Standard Rate"/>
39            <UniqueID ID="7563" ID_Context="DistributorRateList" Type="18"/>
40            </SellableProduct>
41          </SellableProducts>
42        </RatePlan>
43      </RatePlans>
44    </TPA_Extensions>
45  </HotelDescriptiveContent>
46 </HotelDescriptiveContents>
47 <TPA_Extensions>
48   <ResponseTime ProcessTime="0.068" RequestStartTime="2013-02-15 12:12:29.210"
49     ProcessTimeUnit="Seconds" ResponseEndTime="2013-02-15 12:12:29.278"/>
50 </TPA_Extensions>
51 </OTA_HotelDescriptiveInfoRS>
```

## 4.9 Listing Cultuzz Products with Mapping information

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_HotelDescriptiveInfoRQ xmlns="http://www.opentravel.org/OTA/2003/05" Version="3.30"
3   TimeStamp="2001-12-17T09:30:47" Target="Production" PrimaryLangID="en">
4   <POS> ... </POS>
5   <HotelDescriptiveInfos>
6     <HotelDescriptiveInfo HotelCode="12400" HotelCodeContext="CLTZ">
7       <ContentInfos>
8         <ContentInfo Name="Product" />
9         <ContentInfo Name="ProductsOfDistributor" Code="7095"/>
10
11     <!-- To get all products of DistributorID specified under 'Code' attribute.
12          ('X' may be Push/Pull Channel ) -->
13
14           <ContentInfo Name="GetMappings" />
15
16     <!-- To get existing mapping information of this product use the element "GetMappings".
17          Like, ChannelProductID, ChannelProductName, ChannelRoomID, ChannelRoomName.
18
19          NOTE : To achieve 'GetMappings' or/and 'ProductsOfDistributor',
20                 ContentInfo->Name="Product" combination is mandatory. -->
21
22           </ContentInfos>
23         </HotelDescriptiveInfo>
24       </HotelDescriptiveInfos>
25     </OTA_HotelDescriptiveInfoRQ>
```



### Response

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_HotelDescriptiveInfoRS PrimaryLangID="en" Target="Production"
3   TimeStamp="2013-02-28T06:51:52"
4   TransactionIdentifier="4bbb987a-9ba4-49a4-9088-69594e9ae9cc-1097052481"
5   Version="3.30" xmlns="http://www.opentravel.org/OTA/2003/05">
6   <Success/>
7   <HotelDescriptiveContents>
8     <HotelDescriptiveContent HotelCode="12400" HotelCodeContext="CLTZ"
9       HotelName="Cultuzz" LanguageCode="en" CurrencyCode="EUR">
10     <TPA_Extensions>
11       <RatePlans>
12         <RatePlan InventoryAllocatedInd="false"
13           RatePlanCategory="3" RatePlanID="1210"
14           RatePlanStatusType="Active" RatePlanType="11">
15           <Description Name="txt:name">
16             <Text Language="en"><![CDATA[Comfort Single 1_1]]></Text>
17           </Description>
18           <Description Name="txt:description_short">
19             <Text Language="de"><![CDATA[Comfort Single]]></Text>
20           </Description>
21           <Description Name="txt:description_long"/>
22           <Rates>...</Rates>
23           <SellableProducts>
24             <SellableProduct InvCode="897541147" InvType="Double Room"
25               InvGroupingCode="78457441" InvStatusType="Active">
26               <Description Name="Standard Rate"/>
27               <UniqueID ID="13002" ID_Context="ProductMapping" Type="18"/>
28             </SellableProduct>
29           </SellableProducts>
30           <RatePlanLevelFee>...</RatePlanLevelFee>
31           <BookingRules>...</BookingRules>
32         </RatePlan>
33       </RatePlans>
34     </TPA_Extensions>
35   </HotelDescriptiveContent>
36 </HotelDescriptiveContents>
37 <TPA_Extensions>
38   <ResponseTime ProcessTime="0.808" RequestStartTime="2013-02-28 06:51:51.481"
39     ProcessTimeUnit="Seconds" ResponseEndTime="2013-02-28 06:51:52.289"/>
40 </TPA_Extensions>
41 </OTA_HotelDescriptiveInfoRS>
```

## 4.10 Mapping Cultuzz Product to a Distributor(both push and pull)

Accommodation Provider can map a product to a channel using the below request. If ICM is enabled for this requester, then CultSwitch system checks the CCM and HEM and then allows or disallows the product to be mapped to that channel. Same request will be used for DeMapping and CheckMapping by altering some attribute values.

### Mapping Cultuzz Product to Push Distributor



```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_HotelRatePlanNotifRQ PrimaryLangID="de" Target="Production" Version="3.30"
3 TimeStamp="2012-08-30T01:48:49" xmlns="http://www.opentravel.org/OTA/2003/05">
4 <POS>...</POS>
5 <RatePlans>
6 <RatePlan RatePlanType="11" RatePlanID="99769" RatePlanNotifType="Overlay"
7 MarketCode="13002" InventoryAllocatedInd="true"
8 RestrictedDisplayIndicator="false" >
9
10 <!-- A product can be created just to be sold to a specific channel. In this case,
11 the DistributorID can be sent with attribute 'MarketCode'.
12 Here, this XML binds the product "99769" specified with attribute 'RatePlanID'
13 to the channel '13002' specified with attribute 'MarketCode'. -->
14
15 <!-- A product can be bound/unbound (using the
16 attribute 'InventoryAllocatedInd') to any number of channels, within a
17 single XML request with multiple 'RatePlan' elements.-->
18
19 <!-- The attribute 'InventoryAllocatedInd' is only allowed in conjunction with
20 attribute 'RatePlanNotifType' with value "Overlay" (update product) and
21 attribute 'MarketCode' with value of the Channel ID to which this product needs
22 to be linked/unlinked. If the value of attribute 'InventoryAllocatedInd' is
23 "true", then it will be bound to the given Channel else it will be unbound. At
24 present, if the attribute 'InventoryAllocatedInd' is present, it only does the
25 binding and unbinding of the product with channel. -->
26
27 <!-- 'RestrictedDisplayIndicator="true"' in the request xml is used to ask Cultuzz
28 the mapping possibility between Cultuzz product and the distributor. -->
29
30
31 <SellableProducts>
32
33 <!-- To map a product to push distributor, specify DistributorRateID, DistributorRoomID
34 with SellableProduct element.
35 In the below SellableProduct element, each attribute specifies the following.
36 InvCode : DistributorRoomID, InvType : DistributorRoomName,
37 InvGroupingCode : DistributorRateID, RoomID : DistributorRoomID,
38 RoomType : RoomTypeName, RoomTypeCode : IntegerRoomTypeCode,
39 Description ->Name :DistributorRateName, UniqueID->ID :CltzDistributorID
40 Note: RatePlan->MarketCode should be same as SellableProduct->UniqueID->ID-->
41
42 <SellableProduct InvCode="897541147" InvType="Double Room"
43 InvGroupingCode="78457441" InvStatusType="Active">
44 <Description Name="Standard Rate"/>
45 <UniqueID ID="13002" ID_Context="ProductMapping" Type="18"/>
46 </SellableProduct>
47 </SellableProducts>
48
49 <!-- To DeMap a product to a distributor use ID_Context as "ProductDeMapping".
50 If InvStatusType is Active, then Cultuzz will activate this mapping.
51 To deactivate this mapping, use InvStatusType as Deactivated. -->
52
53 </RatePlan>
54 <RatePlan RatePlanType="11" RatePlanID="99769" RatePlanNotifType="Overlay"
55 MarketCode="2" InventoryAllocatedInd="true"
56 RestrictedDisplayIndicator="false">
57 <SellableProducts>
58 <SellableProduct InvCode="897541147" InvGroupingCode="ABCDEFGH"
59 InvStatusType="Active" InvType="Interlaken Wellness-Reise inkl.">
60 <Description Name="Interlaken Wellness-Reise inkl." />
61
62 <!-- @InvCode = Item ID
63 @InvType = Item Name
64 @InvGroupingCode = Auction ID -->
65
66 <UniqueID ID="2" ID_Context="ProductMapping" Type="18" />
67
68 <!-- ID="2" specifies eBay Distributor ID. -->
69
```

```

70     </SellableProduct>
71   </SellableProducts>
72 </RatePlan>
73 <RatePlan>...</RatePlan>
74 </RatePlans>
75 <TPA_Extensions>
76 <Services>
77   <Service CodeDetail="CltzDistributorID" Code="2" InvCode="99769"
78     ExistsCode="897541147" BusinessServiceCode="ABCDEFGH">
79
80   <!-- The 'Service element' specifies the complete product mapping information.
81     @InvCode = CltzProductID
82     @Code = DistributorID
83     @ExistsCode = Item ID
84     @BusinessServiceCode = Auction ID-->
85
86   <Features>
87     <Feature ExistsCode="33" CodeDetail="ExtraBedPrice" AccessibleCode="0" ProximityCode="0">
88       <Description ContentCaption="99.00" CodeDetail="Value"/>
89
90     <!-- The attribute "ExistsCode" refers to the Feature ID and the Value 33 specifies
91       the Feature "ExtraBedPrice".-->
92
93     </Feature>
94   </Feature>...</Feature>
95 </Features>
96 </Service>
97 </Services>
98 </TPA_Extensions>
99 </OTA_HotelRatePlanNotifRQ>

```

**cultuzz.**



## Mapping Cultuzz Product to Pull Distributor

```
1 <OTA_HotelRatePlanNotifRQ PrimaryLangID="de" Target="Production" Version="3.30"
2 TimeStamp="2012-08-30T01:48:49" xmlns="http://www.opentravel.org/OTA/2003/05">
3 <POS>...</POS>
4 <RatePlans>
5   <RatePlan RatePlanType="11" RatePlanID="99769" RatePlanNotifType="Overlay"
6     MarketCode="12828" InventoryAllocatedInd="true"
7     RestrictedDisplayIndicator="false" >
8
9   <!--"99769" is Cultuzz productID and "12828" is the distributorID at Cultuzz. -->
10
11 </RatePlan>
12 </RatePlans>
13 </OTA_HotelRatePlanNotifRQ>
```

## Mapping a Product to Distributor using Partner's ProductID

```
1 <OTA_HotelRatePlanNotifRQ PrimaryLangID="de" Target="Production" Version="3.30"
2 TimeStamp="2012-08-30T01:48:49" xmlns="http://www.opentravel.org/OTA/2003/05">
3   <POS>
4     <Source AgentDutyCode="XXXXXXXXXX" AgentSine="XXXXX">
5       <RequestorID Type="10" ID="TiscoverObjectID" ID_Context="Tiscover" />
6       <BookingDistributor Type="4"/>
7     </Source>
8   </POS>
9 <RatePlans>
10   <RatePlan RatePlanType="11" RatePlanNotifType="Overlay"
11     MarketCode="13002" InventoryAllocatedInd="true"
12     RestrictedDisplayIndicator="false" >
13
14   <!-- Mapping Partner's Product to Pull and Push channel by the following. -->
15
16     <UniqueID ID="STP146460Pat" ID_Context="PartnersID" Type="18"/>
17
18   <!-- Binding Partner's productID with Cultuzz productID by the element 'UniqueID'.
19     'UniqueID->ID' holds Partner's productID which is to be mapped with Cultuzz
20     ProductID. -->
21
22     <SellableProducts>
23       <SellableProduct InvCode="897541147" InvType="Double Room"
24         InvGroupingCode="78457441" InvStatusType="Active">
25         <Description Name="Standard Rate"/>
26         <UniqueID ID="13002" ID_Context="ProductMapping" Type="18"/>
27       </SellableProduct>
28     </SellableProducts>
29   </RatePlan>
30 </RatePlans>
31 </OTA_HotelRatePlanNotifRQ>
```



## Response

The response for ProductMapping request have the below use cases :

1. Success - Product(s) mapped successfully and updates can be processed to the channel successfully.
2. Success with Warnings - Product(s) mapped successfully, but updates may not be processed. Reasons will be listed in the "Warning" element of the XML. (As it requires some manual work before proceeding with the connection. Once the manual work is finished, the updates will be processed to the channel successfully.)
3. Errors - Product(s) mapping failed. Reasons will be listed in the "Error" element of the XML.

If request contains RestrictedDisplayIndicator="true" then Cultuzz considers this request as CheckMapping request. In this scenario, below are the use cases :

1. Success - Product(s) are compatible with channel. Mapping is possible.
2. Success with Warnings - One or more features of the product(s) are not compatible with channel.
3. Errors - Request failed at our end for some other reasons.

---

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_HotelRatePlanNotifRS TimeStamp="2013-03-01T05:36:31"
3   TransactionIdentifier="c6b1dfdd-b35d-4dc3-9b68-ab3e78678233-1641594052"
4   Version="3.30" xmlns="http://www.opentravel.org/OTA/2003/05">
5   <Warnings/>
6   <Success/>
7   <RatePlanCrossRefs>
8     <RatePlanCrossRef ResponseRatePlanCode="99769"
9       ResponseRatePlanGroupingCode="CltzProductID"/>
10  </RatePlanCrossRefs>
11  <TPA_Extensions>
12    <ResponseTime ProcessTime="4.93" RequestStartTime="2013-03-01 05:36:26.490"
13      ProcessTimeUnit="Seconds" ResponseEndTime="2013-03-01 05:36:31.420"/>
14  </TPA_Extensions>
15 </OTA_HotelRatePlanNotifRS>
```

---

The logo for Cultuzz, featuring the word "cultuzz" in a bold, blue, lowercase sans-serif font with a period at the end.

## 5 CultSwitch Spreadsheets

### 5.1 Market Codes for Source of Business

Here, the MarketCode value will be changed according to the value of "ReqRespVersion" attribute in OTA\_ReadRQ XML.

1. MarketCode indicates Channel ID value when the PMS requested with the ReqRespVersion below 3.20.
2. MarketCode indicates Distributor ID value when the PMS requested with the ReqRespVersion from 3.20 and above.

Source Of Business	Market Code/Channel_ID (Below ReqRespVersion 3.20)	Market Code/Distributor_ID (From ReqRespVersion 3.20)
Name	AccommodationID (RequestorID)	Cultuzz DistributorID
HRS	1	6484
eBay as channel		2
Booking.com	4	7563
CultBooking		6
CRC	8	9301
Expedia Quick Connect	10	6695
RatesToGo	11	7102
Feratel	15	7094
Reconline (GDS)	16	7095
Hotel.de	17	1475
Venere Connect	18	9479
Unister Ultranet	20	9909
WildEast	21	9482
TOMAS	22	10362
Lastminute	23	10423
NetHotels	24	9480
HotelSpecials	25	10785
Agoda	26	10786
LateRooms	27	13954
Tiscover_PL	28	11508
RateTiger	30	12526
Feratel Deskline 3.0	32	13002
Orbitz	33	14066
Budget Places	34	14168
Intobis	35	14166
Kurzurlaub	36	36760
Initalia	37	36746
Escapio	38	29948
hoteliers.com	46	42772
Secra	50	44142
Hostelworld	60	47768
Cultuzz-CultBooking Channel		13028
Hotusa		54376
Despager		54154
Goibibo		56236
Homeaway		56466



Table 2: Market Codes for Source of Business

Source Of Business	Market Code/Channel_ID (Below ReqRespVersion 3.20)	Market Code/Distributor_ID (From ReqRespVersion 3.20)
Travelocity		11155
Hostelsclub		37628
Ehotel AG		1772
CRC-Pull		43474
Kurz-mal-weg		55478
Freetimecompany		57916
Ultranet/Tourini		50610
Offpeakluxery		56554
Kurzurlaub.at		55286
Trivago		51248
TripAdvisor		44432
Caesar Data		48438
GTA		52038
Hotelbeds		49102
HotelRez		52212
Ostrovok		53204
TravelRepublic		48434



Table 3: Market Codes for Source of Business

## 5.2 Additional Features

Feature ID	Feature Name	Description
1	FSA	Free Sale Allotment
2	Hotel ID	Hotel ID
3	BoardType	BoardType
4	BoardExtraPrice	BoardExtraPrice
6	Pricebasis	Pricebasis
8	Occupancy	Occupancy
9	Min	MinOccupancy
10	Base	BaseOccupancy
11	Max	MaxOccupancy
12	NumerOfAdults	NumerOfAdults
14	Children	ChildrenPrices
15	bisAlter	bisAlter
16	Fee	fee
17	Board	Board
20	OccupancyValue	OccupancyValue
22	Price	Price
23	Period	Period
25	DurationType	DurationType(Days,Weeks,months,Years)
27	ContactDuration	ContactDuration
29	ContactEndDate	ContactEndDate
39	Price	Price
41	Currency	Currency
43	Token	Token
45	MSKU offer	MSKU offer
47	OfferStatus	OfferStatus
49	SiteID	SiteID
51	VariationStart	VariationStart
53	VariationEnd	VariationEnd
55	AuctionID	AuctionID
76	ChannelUserID	ChannelUserID
77	ChannelPassword	ChannelPassword
78	Multiple Accounts	Multiple Accounts
80	PriceModel	PriceModel
82	ProductMappingStatus	ProductMappingStatus
85	Qualifier	Qualifier
87	ContractId	ContractId
89	PriceType	PriceType
91	ContractType	ContractType
93	LandLord ID	LandLord ID



Table 4: Additional Features

## Index

AcceptedPayment, 8  
Accommodation, 8  
Accommodation Amenity, 8  
AccommodationCategory, 8  
AccommodationCode, 8  
AccommodationID, 8  
Additional Rate Categories, 11  
Advance Booking Offset, 8  
Advanced Payments, 8  
AgentDutyCode, 8  
AgentSine, 8  
ArrivalDaysOfWeek, 8  
Auction Start Price, 8  
**Authentication**  
    BookingChannelType, 15  
**Authentication, 14**  
    POS, 14  
    UserIdentification, 15  
AvailableDaysOfWeek, 8  
Award, 8  
  
BookingChannelType, 8, 15  
BookingRule, 8  
Bucher ID, 8  
BuyItNow Price, 8  
  
CancelPenalty, 8  
Channel ID, 8  
Channel Management(room logic), 8  
Check-In Time, 8  
Check-Out Time, 8  
CltzInventoryValidity, 9  
CltzProductElement, 8  
CltzProductElementValidity, 8  
Conditional Availability, 9  
Corporate Rate, 8  
CRS, 6, 8  
CSI, 9  
CultBooking, 9  
Cultuzz Customers, 9  
CultuzzAccommodationCode, 9  
  
DayBlock, 9  
DepartureDaysOfWeek, 9  
DistribSystem, 9  
Distributor, 6, 9  
Distributor Credentials, 9  
Dow-Restriction, 9  
  
Early Bird, 10  
ElementID, 9  
  
GDS, 9  
GuaranteeCode, 9  
Guaranteed Allotment, 9  
GuaranteeType, 9  
GuarenteedInd, 9  
  
HTTP-Ping, 14  
  
Incomplete Bookings, 9  
InfoSource, 9  
Integarted Channel Management, 10  
**Integrated Channel Management, 16**  
Invalid Bookings, 10  
InvCode, 10  
Inventory, 10  
InventoryAllocatedInd, 28  
InventoryCodes, 10  
InventoryPriceInTime, 10  
invgroupingcode, 10  
  
Last Minute, 10  
LatestUpdatedTime, 10  
Length of Stay, 10  
LocationCategory, 10  
LongStayDiscountAndShortStaySurcharge,  
    10  
  
MarketCode, 10, 28  
MaxAdvancedBookingOffset, 10  
MaximumAllotment, 10  
MaxLOS, 10  
MaxOccupancy, 10  
MessageSignatureKey, 10  
MinAdvancedBookingOffset, 10  
MinLOS, 11  
MinOccupancy, 11  
  
No-Show, 11  
  
Object-Channel Mapping, 11  
ObjectID, 8  
Occupancy, 11  
OffsetDropTime, 11  
OffsetTimeUnit, 11  
OffsetUnitMultiplier, 11  
OldestUpdatedTime, 11  
OTA, 11  
OTA-CodeTable, 11  
  
PMS, 6, 11  
POS, 11, 14  
Pre Payment, 8

**cultuzz.**

PrePay, [8](#)  
Price Room Source, [11](#)  
Product, [12](#)  
Product-Channel Mapping, [12](#)  
ProductElement, [12](#)  
ProductID, [12](#)  
Property Management System, [6](#)

RateInfoDetails, [12](#)  
RatePlanID, [12](#)  
Release Time, [12](#)  
ResGuestsRPH, [12](#)  
Room Amenity, [12](#)  
RoomCode, [12](#)  
RoomID, [12](#)

Sellable products, [12](#)  
StandardOccupancy, [12](#)

TPA\_Extensions, [12](#)  
Travel Sector, [12](#)

UserIdentification, [15](#)

**cultuzz.**