

Registration | Meldewesen

ALTUROS PMS Interface “Digitales Meldewesen”

Version: 1.0.0

Changed by: Katrin Baumgartner

Last change: 11.12.2020

ALTUROS PMS Connector

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General/Introduction

The ALTUROS PMS Web Service are the successor of “Digitales Meldewesen” import interfaces for hotel software. It provides several methods for data interchange between digital registration form and property management systems. Main goal is to insert visitor tax sheets from PMS into ALTUROS “Digitales Meldewesen”, which is the tool for community to settle the visitor taxes.

If you have any questions please contact:

Katrin.baumgartner@alturos.com

Activation Process per Service Provider

In order to use the interface, it must be activated for your company. Our direct customers are not the hotels but the tourism destinations. If the interface is already set up and active only the mapping must be entered per service provider (former Abacus ID/Betriebsnummer) in order to be able to use the functionality. In the first step, the mapping will be entered by Alturos, so please contact b2b-support@alturos.com with the details of the service provider (name, full address and contact information) and the suggested mapping for the existing services.

Technical Description

XML files are the base for the Alturos “Digitales Meldewesen” PMS import and export – mandatory and optional values for requests are passed inside XML files and also the response will be a valid XML file. The chapters below will explain which elements and attributes are supported. The Connector for availabilities will work with SSL and and HttpPost.

Miscellaneous

Authentication

Every software-company will receive a unique code (companyCode/Betriebsnummer) by which they are identified. This company code should be used as an xml parameter when visitor registration sheets are sent and must be used when other information of the accommodation is called.

Test Environment

A complete test environment is available and can be set up on demand.

Visitor Registration Sheet Import

REQUEST

The format of this interface was once designed by a collaboration of companies and improved over the year. For compatibility reasons there are some elements and attributes inside, which are no longer in use and can be ignored. All attributes which are not mentioned below in the description can be ignored.

Methods:

MCLInterfaceServlet/XMLIn

for POST Request

Query Parameters

Attribute	Type	Description
mcnummer	integer	mcnummer of the login credentials
username	string	API username
password	string	Passwort of the API user

Element PMSImport

root (container) Element for the Elements gemeinde and pmsprovider

Element pmsprovider

Identification of the community the accommodation belongs to (static for each accommodation)

Attribute	Type	Description	Required
name	string	Name of the PMS provider	Yes

Element gemeinde

Identification of the community the accommodation belongs to (static for each accommodation)

Gemeinde is a container for Element betrieb

Attribute	Type	Description	Required
oestat	string	official visitor registration number of the community (will be provided by the tourism office) based on the Swiss Gemeindenummer	Yes
version	decimal	This interface is compatible with all available versions on market (1.0, 2.0 and 5)	Yes

Element betrieb

Identification of the accommodation. Although schema would allow multiple betrieb elements, please send for each accommodation separately.

Betrieb is a container for one or more meldeblatt Elements

Attribute	Type	Description	Required
betriebrnr	string	Official visitor registration number of the accommodation (will be provided by the tourism office) based on the Abacus ERP ID	Yes
feratel_id	string	Feratel ID of the accommodation	Yes

Element meldeblatt

General information to the visitor registration sheet as number, arrival and departure. Must be present at least once. Can be present multiple times. Bulk updates are allowed.

Each meldeblatt must contain one or more elements of landschl, gastart and gast.

Attribute	Type	Description	Required
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mblattnr	integer	Visitor registration sheet number, be aware that this sheet numbers are assigned to each accommodation and only assigned numbers can be used. For each visitor registration new sheet number must be used. The first number should start at "1". In case of preregistration (reservierung="1") set mblattnr="-1"	Yes
reisegruppe	integer	0 if it is not a group of travelers, 1 if it is a group	Yes
ankunft	string	Arrival date in format YYYY-MM-DD	Yes
abreise	string	Departure date in format YYYY-MM-DD. Send only when guest is already departed. If ankunft=abreise then sheet gets cancelled (if allowed and possible). A sheet number which has been canceled stays occupied.	No
abgeplant	string	Planned departure date in format YYYY-MM-DD. Will be used to restrict guest card validity.	No
reservierung_id_extern	string	Reservation id set by external provider	No
reservierung_id_pms	string	Reservation id set by pms system	No
registr_form_id_pms	string	PMS registration form id	No

Element landschl

Sends information how many guests from which region arrive. Must be present at least once. Can be present multiple times according to the origins of the guests.

Attribute	Type	Description	Required
lschlNr	string	Short numeric code of nation or region according to the Feratel Hesta Code list. It is required to fill either lschlNr or lschlNr_iso.	No
lschlNr_iso	string	Two-digit code (equal to ISO standard) of the guests nation It is required to fill either lschlNr or lschlNr_iso.	No
anzpers	numeric	Count of persons per nation	Yes

Element gastart

Must be present at least once. Can be present multiple times according to the kinds of guests.

Attribute	Type	Description	Required
gastart	string	Code of person group used by the community, can be called via interface or will be provided by Aluturos, given enumeration has to be used Possible Values: p = required (adult) e = reduced (child) f = free (piccolo)s	Yes
anzpers	numeric	count of persons per region	Yes

Element gast

Must be present at least once. Can be present multiple times according to the count of guests.
Includes details information to the guest.

Depending on the destinations settings, additional fields might be required for a successful import.

Attribute	Type	Description	Required
gastfdnr	numeric	Index of gast elements. Following order of gasttyp (see gasttyp) should be send. if Reisegruppe=0 1 = HG (main guest) then MP (accompanying guests) then KI (children) if Reisegruppe=1 1 = RL (tour guide) then RG tour guest	Yes
gasttyp	string	Enumeration: HG (Hauptgemeldeter Gast) = main guest MP (Mitreisende Person) = accompanying guests KI (Kind) = Children (which maximum age is depending on community settings RL (Reiseleiter) = tour guide RG (Reisegruppe) = tour guest	Yes
gastnr_pms	string	Guest number of the pms provider	No
kurtaxenbefreiung	integer	Code indicating the reason of the tourist tax exemption. Values: 0 => 'No exemption' 5 => 'Residence in the municipality' 15 => 'Relative' 25 => 'Child under 6 years' 30 => 'Pupils, apprentices and students' 40 => 'Patients and inmates of hospitals, nursing homes and care establishments' 50 => 'Army member' 55 => 'Army, civil defense, fire department as well as similar services' 70 => 'Handicapped person with ID' 80 => 'Activity youth and sport' 99 => 'Exemption set by import'	No
vorname	string	Firstname of the guest (insert middle name here if available)	Yes
name	string	Last name of the guest	Yes
strasse	string	Street of the guest	No
nation	string	Nation of the guests address (ISO 2-Code)	No
plz	string	Zip Code of the guest. Should be handled if required, is just not required in schema because there are countries without.	No
ort	String	City of the guest	No

kanton	string	<p>Code or Name of the Canton</p> <p>If the guests Nation is CH, kanton is required. Use the two-digit canton code</p> <p>ZH – Zürich BE – Bern LU – Luzern UR – Uri SZ – Schwyz OW – Obwalden NW – Nidwalden GL – Glarus ZG – Zug FR – Freiburg SO – Solothurn BS - Basel-Stadt BL - Basel-Landschaft SH – Schaffhausen AR - Appenzell Ausserrhoden AI - Appenzell Innerrhoden SG - St. Gallen GR – Graubünden AG – Aargau TG – Thurgau TI – Tessin VD – Waadt VS – Wallis NE – Neuenburg GE – Genf JU - Jura</p>	No
gastart	String	<p>Highly recommended to use this attribute for a precise definition of the guest. Use person group code like in gastart element.</p> <p>Possible Values: p = required (adult) e = reduced (child) f = free (piccolo) b = tax free</p>	No
gebdatum	string	Birth date of the guest	Yes
geschlecht	integer	<p>Number identifying the gender of the person</p> <p>Values: 1 = male 2 = female</p>	Yes
reisedokument	String	Number of given identification (passport number, identity card number...)	No
reisedokumentart	string	Type of given identity	No
staatsang	string	Nationality of the guest according to identification (ISO 2-Code)	Yes
email	String	Email address of the guest	No

telefon	String	Phone number of the guest	No
ankunft	String	Arrival Date of the guest. If arrival different than the one from the sheet then set here per guest	No
abreise	string	Departure date of the guest	No
zustimmungskartenprod	numeric	For GDPR it is needed that the guest gives his agreement, that we are allowed to forward his personal data to card system for creating guestcard. Enumeration: true = Agreement from guest for creating guestcard false = No agreement from guest for forwarding data and create guestcard	Yes

RESPONSE

Attribute	Type	Description	Required
betriebsnr	string	Same betriebsnr as provided in request, empty if betriebsnr could not be processed	Yes
code	int	0 if ok, else error code according to list below	Yes
mblattnr	int	sheet number as provided in request, 0 if sheet number could not be processed	Yes
oestat	int	Community number as provided in request	Yes
text	string	OK, else error message according to list below	Yes

ERROR CODES

Error Code	Description english	German Text for Response
0	OK-No Error	OK-kein Fehler
5	Node ‚Gemeinde‘ not ok	Node "gemeinde" nicht in Ordnung. Der Knoten fehlt, oder der Inhalt ist fehlerhaft
6	attribute oestat not numeric or version not 1	Attribut "oestat" nicht numerisch oder ‚version‘ nicht ‚1‘
8	missing or invalid tag betrieb	Kein, oder ungültiger Betriebs-tag
9	invalid betriebsnr	Ungültige Betriebsnummer
10	provider not found	Betrieb mit angegebener Betriebsnummer nicht gefunden oder Betriebsnummer gehört nicht zum eingeloggten Betrieb
11	no sheets for provider in request, meldeblatt element missing	Keine Meldescheinnummer enthalten oder Meldeblatt- tag fehlt
12	invalid Meldeblatt tag	Ungültiger Meldeblatt-tag. Meldeblattnummer fehlt, oder Inhalt fehlerhaft

14	missing attributes in Meldeschein tag	Im Meldeschein-tag fehlen notwendige Attribute
21	invalid data in landschl-tag	Ungültige Angaben in "landschl-tag" - "landschlnr" ist fehlerhaft. Bitte verwenden Sie eine gültige LänderID
23	data of gast-tag could not be added, data missing or wrong	Datensatz für "gast-tag" konnte nicht eingefügt werden - fehlt, oder Inhalt ist fehlerhaft
25	data of gastart-tag could not be added, data missing or wrong	Datensatz für "gastart" konnte nicht eingefügt werden - fehlt, oder Inhalt ist fehlerhaft.
27	Invalid attributes in gastart tag	Ungültige Attribute beim gastart-tag. Knoten ist da, aber falsche Gastart
31	birth date in future, not valid	Geburtsdatum liegt in der Zukunft, ist also ungültig.
32	birth date more than 120 years in past, not valid	Geburtsdatum liegt mehr als 120 Jahre zurück, ist also ungültig.
34	departure date not valid	Meldeschein kann nicht in die Datenbank eingetragen werden. Abreise ungültig.
37	planned departure not valid, must be after arrival	Meldeschein kann nicht in die Datenbank eingetragen werden. Geplante Abreise muss nach der Ankunft sein
39	landschl-tag missing	Meldeschein kann nicht in die Datenbank eingetragen werden. landschl-tag fehlt, oder Inhalt ist fehlerhaft
40	gastart-tag missing	Meldeschein kann nicht in die Datenbank eingetragen werden. Attribut "gastart" fehlt
41	changed Arrival date	Meldeschein wurde schon mit Status ‚Angereist‘ gespeichert und das nun gesendete Anreisedatum entspricht nicht dem Anreisedatum in der Datenbank
42	Unknown country code	Meldeschein kann nicht in die Datenbank eingetragen werden. Unbekannter Länderschlüssel
45	invalid data in landschl or gastart, number of guests must be the same	Ungültige Angaben im landschl- bzw. gastart-tag. Unterschiedliche Personenanzahl - Die Summe Anzahl Personen muss übereinstimmen
47	reservation cannot be saved	Reservierung mit angegebener ‚guid‘ kann nicht in die Datenbank eingetragen werden
51	invalid canton entry x	Ungültiger Wert im Tag Kanton x
55	invalid data in landschl-tag number of persons must be bigger than 0	Ungültige Angaben im landschl-tag. Summe anzpers muss größer 0 sein.
56	invalid data in gastart-tag number of persons must be bigger than 0	Ungültige Angaben im gastart-tag. Summe anzpers muss größer 0 sein.
59	attribute "version" not 1,2 or 5	Fehler Attribut "Version" nicht 1,2 oder 5
60	attribute "reisegruppe" missing or wrong	Fehler (Meldeblatt x) Attribut "reisegruppe" fehlt, oder Inhalt ist fehlerhaft
62	attribute "ankunft" missing or wrong	Fehler (Meldeblatt x) Attribut "ankunft" fehlt, oder Inhalt ist fehlerhaft
63	attribute "abgeplant" missing or wrong	Fehler (Meldeblatt x) Attribut "abgeplant" fehlt, oder Inhalt ist fehlerhaft
65	attribute "gasttyp" missing or wrong	Fehler (Meldeblatt x) Attribut "gasttyp" fehlt, oder Inhalt ist fehlerhaft
69	invalid storno, guestcard in use	Fehler (Meldeblatt x) Ungültiges Storno, da Gästekarte bereits in Verwendung

70	previous sheet data is different	Meldeschein wurde schon mit Status ‚Angereist‘ gespeichert und die nun gesendeten Meldescheindaten entsprechen nicht dem Meldeschein in der Datenbank.
71	Registration sheet cannot be updated. Status is already ‘discarded’	Fehler: Meldeschein kann nicht aktualisiert werden. Status ist bereits 'discarded'
72	Registration sheet cannot be updated. Status is already ‘checked in’	Fehler: Meldeschein kann nicht verworfen werden. Status ist bereits 'checked in'
73	Registration sheet cannot be updated. Status is already ‘checked out’	Fehler: Meldeschein kann nicht verworfen werden. Status ist bereits 'checked out'
74	Registration sheet cannot be discarded. Status is already ‘discarded’	Fehler: Meldeschein kann nicht verworfen werden. Status ist bereits 'discarded'
80	Tag ‘gastfdnr’ is missing in the guest tag	Tag 'gastfdnr' fehlt im guest tag
81	Bed limit of the serviceprovider exceeded	Fehler: Bettenlimit für Serviceprovider überschritten.
82	Amount of persons is below minimum amount of persons for a group	Fehler: Minimale Personenanzahl für Gruppen unterschritten.
83	Mandatory fields for checkin not set	Fehler: Pflichtfelder für checkin nicht gesetzt.
84	Mandatory fields for checkout not set	Fehler: Pflichtfelder für checkout nicht gesetzt.
85	Period of guestcard exceeded	Fehler: Dauer für Gästekarte überschritten.
86	Guestcard is activated. They stay cannot be extended	Fehler: Gästekarte aktiviert. Aufenthalt kann nicht verlängert werden
87	Guestcard activated. Earlier arrival not possible	Fehler: Gästekarte aktiviert. Frühere Anreise nicht möglich
99	General error	Allgemeiner Fehler

Visitor Registration Sheet Export

REQUEST

Methods:

MCLInterfaceServlet/XMLOut

for GET Request

Request Parameters

Attribute	Type	Description
mcnumber	integer	mcnumber of the login credentials
username	string	API username
password	string	Passwort of the API user
companyCode	string	If set, only exports registrations for the given company
mblattnr	integer	Export only the registration with the given number
fromDate	date	Format yyyy-MM-dd
toDate	date	Format yyyy-MM-dd
dateRangeType	string	Defines, which date should be filtered by fromDate and toDate Values: created updated arrival departure

RESPONSE

If no registrations were found for the given parameters, the body will only contain the text “No matching data found.”.

Element PMSExport

root (container) Element for the Elements api and gemeinde

Element api

Contains general information about the API in use

Attribute	Type	Description
version	string	The Version of the API

Element gemeinde

Identification of the community the accommodation belongs to (static for each accommodation)

Gemeinde is a container for one or more betrieb elements.

Element betrieb

Identification of the accommodation. Although schema would allow multiple betrieb elements, please send for each accommodation separately.

Betrieb is a container for one or more meldeblatt Elements

Attribute	Type	Description
betriebsnr		Official visitor registration number of the accommodation (will be provided by the tourism office) based on the Abacus ERP ID
feratel_id		Feratel ID of the accommodation

Element meldeblatt

General information to the visitor registration sheet as number, arrival and departure. Must be present at least once. Can be present multiple times. Bulk updates are allowed.

Each meldeblatt will contain one or more elements of gastart and gast.

Attribute	Type	Description
mblattnr	integer	Visitor registration sheet number. Be aware that this sheets numbers are assigned to each accommodation and only assigned numbers can be used. For each visitor registration new sheet number must be used. The first number should start at "1". In case of preregistration (reservierung="1") set mblattnr="-1"
ankunft	date	Arrival date in format YYYY-MM-DD
abreise	date	Departure date in format YYYY-MM-DD
reservierung_id_alturos	integer	Unique reservation id set by Alturos
reservierung_id_extern	string	reservation id set by external provider
reservierung_id_pms	string	reservation id set by pms system
registr_form_id_alturos	integer	Unique registration form id set by Alturos
registr_form_id_pms	string	PMS registration form id
pmsprovider	string	Name of the PMS provider. This will be empty if exporting data that was created by Alturos
guestcard_active	integer	1 if the guestcard is activated. Otherwise 0
exported_to_abacus	integer	1 if the registration was already exported to abacus. Otherwise 0

Element gast

Must be present at least once. Can be present multiple times according to the count of guests. Includes details information to the guest.

Each gast can contain one gaestekarte element.

Attribute	Type	Description
gastfdnr	integer	Index of gast elements. Following order of gasttyp. If Reisegruppe=0 1 = HG (main guest) then MP (accompanying guests) then KI (children) if Reisegruppe=1 1 = RL (tour guide) then RG tour guest
gastnr_alturos	integer	Alturos unique Id of the person

gastnr_pms	string	Guest number of the pms provider
gasttyp	string	Enumeration: HG (Hauptgemeldeter Gast) = main guest MP (Mitreisende Person) = accompanying guests
kurtaxenbefreiung	integer	Code indicating the reason of the tourist tax exemption. Values: 0 => 'No exemption' 5 => 'Residence in the municipality' 15 => 'Relative' 25 => 'Child under 6 years' 30 => 'Pupils, apprentices and students' 40 => 'Patients and inmates of hospitals, nursing homes and care establishments' 50 => 'Army member' 55 => 'Army, civil defense, fire department as well as similar services' 70 => 'Handicapped person with ID' 80 => 'Activity youth and sport' 99 => 'Exemption set by import'
altersgruppe	string	Age group depending on the birthday of the person, defined by the service providers region. On import this field will be re-calculated to avoid errors caused by wrong age group setting. Values: p = adult e = child f = piccolo
vorname	string	Firstname of the guest
name	string	Last name of the guest
strasse	string	Street of the guest
nation	string	Nation of the guests address (ISO 2-Code)
plz	string	Zip Code of the guest.
ort	string	City of the guest
kanton	string	Name of the Canton
gastart	string	Attribute for a precise definition of the guest. Possible Values: p = required (adult) e = reduced (child) f = piccolo b = tax_free
gebdatum	date	Birth date of the guest
geschlecht	integer	Number identifying the gender of the person Values: 1 = male 2 = female

reisedokument	string	Number of given identification (passport number, identity card number...)
reisedokumentart	string	Type of given identity
staatsang	string	Nationality of the guest according to identification (ISO 2-Code)
email	string	Email address of the guest
telefon	string	Phone number of the guest
ankunft	date	The guests arrival date
abreise	date	The guests departure date
zustimmungskartenprod	boolean	Defines if agreement to GDPR was given by the guest. Values: true = Agreement from guest for creating guestcard false = No agreement from guest for forwarding data and create guestcard

Element gaestekarte

Contains information about a guests guestcard

Attribute	Type	Description
id	integer	Id of this guests guestcard for the current registration