

Technical documentation

Bungalow.Net XML Solution

This document contains technical information and examples for the implementation of the Bungalow.Net XML Solution for Bungalow.Net partners.

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General introduction

This document contains a description of the Bungalow.Net XML solution, which is based on the daily preparation of XML files containing the accommodations, their prices and their availability. These XML files are updated daily (during the night) and can all be found by requesting the following URL:

<http://www.bungalow.net/partners/xmlsolution.ashx>

Obviously, with certain querystring variables which can be appended to the URL, specific commands can be given to request information. The details on the available functions can be found in the following chapters, which briefly describe the main functions of which the solution consists.

Function “housereply”

1. General description:

This function enables partners to download and process an XML file containing information about all Bungalow.Net accommodations.

2. Input (parameter list):

Field	Type	Description
function	STRING	Represents requested function; in this case “housereply”
partnerid	STRING	Your partner code
file_type	STRING	(optional) You can download the xml files in zip or gz format (using file_type=zip or file_type=gz parameter)
country	STRING	(optional) This field only has an effect when used with no filetype defined. Accepted values can be found in the country code list (see Appendix A)
allowpets	STRING	(optional) Possible values: 'YES/NO'. Setting this input parameter will give the user the possibility to download files which contains only accommodations which allows pets.

3. Output (XML):

Field	Type	Description
BN_houses	Object	Response object, containing function response.
houses	Object	Tree of returned house objects.
house	Object	House object, contains attribute “houseid” which uniquely identifies the object.
onRequest	Bool	Depends on the owner (for some special owner is true, otherwise false)
source	STRING	2 character string representing the touroperator
sourceid	NUMBER	Bungalow.Net ID, x-digits mentioned for refering purposes
category	Number	The category which defines the booking rate of the accomodation: if house was booked at least 5 times, has category 3, if was booked between 1 and 4, it is 2, otherwise is 1.
name	STRING	Self-explanatory
country	STRING	Shortcode of county; see Appendix A
region1/region2	STRING	Shortcode of region; see Function Region_info
city	STRING	Self-explanatory
latitude	NUMBER	Latitude coordinate
longitude	NUMBER	Longitude coordinate
groupingvar	STRING	There are houses which are in the same group.(groupingvars are equal to theese houses) If one of them is not available in the selected period then the booking will be made automatically for the other one which is available in the same group. (They are very similar houses, and they are next to each other)
no_persons	STRING	Maximum number of persons for the accommodation
bedrooms	NUMBER	Number of bedrooms in the accomodation
park	BOOLEAN	House is situated on a park 0 = No; 1 = Yes
holidaypark	STRING	Name of the park in which the house can be found (if any)
minimum_price	NUMBER	Smallest price (per week) in the next 2 months - in Euro
PartnerCommissionType	NUMBER	0 = Default partner commission 1 = Limited partner commission
UseLowerPriceAtCombination	BOOL	If set to true, the lower price is applied in case a price combination is used for a period booking.
descriptions	Object	See block “Descriptions”
pictures	Object	Object containing picture links
Videos	Object	Object containing video links
additional_data	Object	See block “Additional_data”
additional_costs	Object	See block “Additional_cost”

Descriptions

description_1_nl	TEXT	Description of the house situation; Dutch
description_1_de	TEXT	Description of the house situation; German
description_1_uk	TEXT	Description of the house situation; English
description_1_fr	TEXT	Description of the house situation; French
description_1_it	TEXT	Description of the house situation; Italian
description_1_cz	TEXT	Description of the house situation; Czech
description_1_ro	TEXT	Description of the house situation; Romanian
description_1_hu	TEXT	Description of the house situation; HUngharian
description_1_es	TEXT	Description of the house situation; Spanish
description_2_nl...es	TEXT	Description of the house interior; in all languages as above
description_3_nl...es	TEXT	Description of the house surroundings; in all languages as above
conditions_nl...es	TEXT	Rental conditions; in all languages as above

Additional_data

animals_allowed	BOOLEAN	Animals are allowed into the accommodation; "Y" or "N"
swimmingpool	BOOLEAN	There is a swimmingpool near the accommodation; "Y" or "N"
beach	BOOLEAN	Accommodation within short range of a beach; "Y" or "N"
tennis	BOOLEAN	Tennis facilities nearby; "Y" or "N"
horseriding	BOOLEAN	Horseriding facilities nearby; "Y" or "N"
ski	BOOLEAN	Skiing area nearby; "Y" or "N"
fishing	BOOLEAN	Fishing possibility nearby; "Y" or "N"
golf	BOOLEAN	Golfplaying area nearby; "Y" or "N"
handicap_prepared	BOOLEAN	Accommodation accessible for wheelchairs
nonsmoking	BOOLEAN	A nonsmoking rule; "Y" or "N"
Minimumstay	INTEGER	The minimum length of a bookable period on this accommodation
startday_week	INTEGER	Special 'offset' which is used for week reservations; "0" indicates week reservations start on Saturdays, "-1" for Fridays and "1" for Sundays. See Appendix B
lastminute1	DOUBLE	Discount percentage when booked within 1 week of departure
lastminute2	DOUBLE	Discount percentage when booked within 2 weeks of departure
lastminute3	DOUBLE	Discount percentage when booked within 3 weeks of departure
lastminute6	DOUBLE	Discount percentage when booked within 6 weeks of departure
lastminute9	DOUBLE	Discount percentage when booked within 9 weeks of departure
lowestpriceguarantee	BOOLEAN	"Y" if we guarantee the lowest price on the market, otherwise "N"
moneybackguarantee	BOOLEAN	"Y" if money back guarantee available for this house, otherwise "N"
booknowpaynextyear	BOOLEAN	"Y" if the renters can pay in next year when their booking starts in next year, otherwise "N"
stars	NUMBER	Number of stars (rating)
theme1nl	TEXT	Name of theme 1 on dutch language
theme1de	TEXT	Name of theme 1 on deutsch language
theme1uk	TEXT	Name of theme 1 on english language (Wintersport,Romantic,etc..)
theme1id	INTEGER	ID of theme 1 (If we change the name then ID will stay unchanged)
theme2nl	TEXT	Name of theme 2 on dutch language
theme2de	TEXT	Name of theme 2 on deutsch language
theme2uk	TEXT	Name of theme 2 on english language
theme2id	INTEGER	ID of theme 2
theme3nl	TEXT	Name of theme 3 on dutch language
theme3de	TEXT	Name of theme 3 on deutsch language
theme3uk	TEXT	Name of theme 3 on english language
theme3id	INTEGER	ID of theme 3
surfacearea	TEXT	Property size in m ² (Example:)

housetypeID	INTEGER	Type of house (bungalow,castle,etc) See Appendix F
extra_data	Object	See block "Extra_data"
Extra_data <ul style="list-style-type: none"> - Contains all the features of an accommodation (like garden, balcony, airconditioning, etc...) - See Appendix 		
Additional_costs <ul style="list-style-type: none"> - additional_costs object can contain any new costs (which are mandatory) with the following fields: costname, costname_type, costname_local, costname_from, costname_until. - additional_costs object can contain the gas, water and electricity separately or together (electra). 		
price_pdpp	DOUBLE	Extra costs per person per day for all persons above the standard amount of persons (mentioned in price_pdpp_drempel)
price_pdpp_drempel	INTEGER	Standard amount of persons (price is covered by the price mentioned in the prices-xml)
more_week_discount	INTEGER	Percentage of Discount if the renters stays more than one week (2 or 3 weeks)
Additional costs general information:		
{costname}	DOUBLE	Amount of the additional cost
{costname}_type	STRING	Type of calculation for the additional cost. See Appendix C
{costname}_local	BOOLEAN	Additional cost has to be paid at arrival or not; "Y" or "N"
{costname}_from	STRING	Additional cost is charged starting this date (in each year). Contains the day and month in format dd-MM (ex: November 1 is 01-11)
{costname}_until	STRING	Additional cost is charged until this date (in each year). Contains the day and month in format dd-MM (ex: November 1 is 01-11)
Additional costs description (which are not self-explanatory):		
deposit	The deposit will be returned to renter afterwards (the amount is fixed per reservation)	
coldadd	Additional costs in winter period	
cleaning	Cleaning costs during stay	
endcleaning	End cleaning costs after stay	
touristtax	Tourist tax. The type is always amount per person per day	
linen	Additional costs for use of (bed)linen	
electra	Additional costs for gas, water and electricity (together). If gas, water and electricity are specified separately, this cost is omitted	
gas	Additional costs for gas. If electra (gas/water/electricity) is specified, this cost is omitted	
water	Additional costs for water. If electra (gas/water/electricity) is specified, this cost is omitted	
electricity	Additional costs for electricity. If electra (gas/water/electricity) is specified, this cost is omitted	

4. Example input:

http://www.bungalow.net/partners/xmlsolution.ashx?partnerid=12345&function=housereply&file_type=zip

5. Example output (fragment):

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<BN_houses>
  <houses>
    <house houseid="BN40">
      <name>Parc La Tassenière 183</name>
      <country>be</country>
      <area>3</area>
      <city>Anseremme (Dinant)</city>
    </house>
  </houses>
</BN_houses>
```

<BN_houses>

Function “houses_by_type”

1. General description:

This function enables partners to download and process an XML file containing information about all houses of a certain type. This XML type was newly inserted in the XML Solution for the housetypes 'holidaypark' and therefore it serves only for this type. But in the future can be extended for other types if needed. The downloadable XML file has the same structure as the housereply XML files (see above in the Function “housereply” section).

2. Input (parameter list):

Field	Type	Description
function	STRING	Represents requested function; in this case “houses_by_type”
PartnerID	STRING	Your partner code
housetype	STRING	Type of the houses to be downloaded. Possible values: holidaypark (in the future might be extended to serve also other types).
<i>Output fields (XML):</i> Same structure as the housereply XML files (see above in the Function “housereply” section)		

3. Output (XML):

Same structure as the housereply XML files (see above in the Function “housereply” section)

4. Example input:

http://www.bungalow.net/partners/xmlsolution.ashx?partnerid=12345&function=houses_by_type&housetype=holidaypark

5. Example output (fragment):

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<BN_houses>
  <houses>
    <house houseid="BN40">
      <name>Parc La Tassenière 183</name>
      <country>be</country>
      <area>3</area>
      <city>Anseremme (Dinant)</city>
    </house>
  </houses>
</BN_houses>
```


Function “request_house_extra”

1. General description:

This function makes it possible to get extra details for the selected house. These details are available only for BN houses (see source of house in housereply function). You can reach the function any-time because it gets data real-time from database.

2. Input (parameter list)

Field	Type	Description
function	STRING	Represents requested function; in this case “request_house_extra”
PartnerID	STRING	Your partner code
lcid	STRING	Language code (see Appendix E)

3. Output (XML)

Field	Type	Description
ExtraData	Object	Response object, containing function response.
category	Object	Group of properties
property	String	Name and value of extra details

4. Example input:

http://www.bungalow.net/partners/xmlsolution.ashx?function=request_house_extra&houseid=XXXX&lcid=LLLL&partnerid=YYYY

5. Example output (fragment):

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<ExtraData houseid="BN513">
  <category name="Electrical Equipment">
    <property name="Toaster">No</property>
    <property name="CD Player">No</property>
    ...
  </category>
</ExtraData>
```

Function “add_data”

1. General description:

This function gives an XML file of all extra optional services and pet information for each available house. With filetype you can choose between xml, zip and gz. For paytypes see **Appendix C – Types of cost calculation**

2. Input (parameter list)

Field	Type	Description
function	STRING	Represents requested function; in this case “add_data”
PartnerID	STRING	Your partner code
FileType	STRING	(optional) values Zip, Gzip or XML can be applied. If not set, XML is default.

3. Example input:

http://www.bungalow.net/partners/xmlsolution.ashx?partnerid=12345&function=add_data&file_type=zip

4. Example output (fragment):

```
<?xml version="1.0" encoding="utf-8"?>
<add_data xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <house houseid="BN45">
    <damage_insurance_max>13.25</damage_insurance_max>
    <damage_insurance_min>9.20</damage_insurance_min>
    <Services>
      <Service Service_no="1">
        <Service_PayType>bedragpp</Service_PayType>
        <Service_Costs>2.50</Service_Costs>
        <Service_Local>1</Service_Local>
        <Service_NL>Formatted beds</Service_NL>
        <Service_DE>gemachte Betten</Service_DE>
        <Service_UK>Formatted beds</Service_UK>
        <Service_IT>Letti formatatti</Service_IT>
        <Service_HU>Megágyazás</Service_HU>
        <Service_ES>Camas hechas</Service_ES>
        <Service_FR>Lits faits</Service_FR>
        <Service_RO>Paturi facute</Service_RO>
      </Service>
      .....
    </Services>
  </house>
  .....
</add_data>
```

[illegible]

Function “arrangement”

1. General description:

This function gives possibility to download an XML file which contains all arrangements for all active houses. The language can be provided optionally and the name of arrangements will be available in this language.

2. Input (parameter list):

Field	Type	Description
function	STRING	Represents requested function; in this case “arrangement”
PartnerID	STRING	Your partner code
lang	STRING	Language text code (optional – default is nl) (See appendix E)

3. Output (XML)

Field	Type	Description
BN_arrangement	Object	Response object, containing function response.
startdate	DATE	Startdate of the period for which all arrangements are displayed (DD-MM-YYYY)
Enddate	DATE	Enddate of the period for which all arrangements are displayed (DD-MM-YYYY)
houses	Object	Object containing arrangement data fro all accommodations
House	Object	Object containing arrangements for an accommodation
Houseid	STRING	Id of the accommodation
Arrangement	Object	Object containing one arrangement
Name	String	The name of the arrangement
Startdate	Date	Startdate of the current arrangement (DD-MM-YYYY)
Enddate	Date	Enddate of the current arrangement (DD-MM-YYYY)
Fullprice	Int	The full price of the arrangement
DiscountedPrice	Int	The Discounted price of the arrangement

4. Example input:

<http://www.bungalow.net/partners/xmlsolution.ashx?partnerid=12345&function=arrangement&lang=fr>

5. Example output (fragment):

```
<BN_arrangement>
  <startdate>12-5-2010</startdate>
  <enddate>12-5-2012</enddate>
  <houses>
    <house houseid="BN195">
      <arrangement name="Kulonleges rendezveny">
        <startdate>20-12-2010</startdate>
        <enddate>26-12-2010</enddate>
        <fullprice>565</fullprice>
        <discountedprice>514</discountedprice>
      </arrangement>
    ...
  </house>
  ...
</BN_arrangement>
```

Function “prices”

1. General description:

This function generates an XML file with pricing information in different types for week, midweek, longweekend, two weeks and three weeks reservations.

- **The structure for type week, midweek and long weekend**
 - The XML object (as a whole) contains a startdate, an enddate, postal costs
 - For each accommodation that follows, for every week which lies between the start- and enddate:
 - Rental price (based on the type selected – week, midweekend...) - price **does not** contain discount and insurance
 - Discounts (based on the type selected – week, midweekend...).
 - Insurance
- **The structure for type week, midweek, long weekend (Version 2.0) and for types two weeks and three weeks:**
 - The XML object (as a whole) contains a startdate, an enddate, postal costs
 - For each accommodation that follows, for every week which lies between the start- and enddate:
 - Rental price (based on the type selected – week, midweekend...) - price **does not** contain discount and insurance
 - Discounts (based on the type selected – week, midweekend...).
 - Insurance
 - Total price (contains the discount, but does not contains the insurance).

Prices, discounts and insurances are based on decimal values (2 decimal digits are displayed if Euro cent is not 0) and are comma separated, so that the string can be split into different elements. (Please check Appendix B for information about start day of different type of availabilities).

The startdate is the date when XMLs were generated (current date) and enddate is 2 years later, means the availabilities are generated 2 years ahead.

Partners can choose for separate pricing files for different types of reservations: week, midweek and longweekend. The returned price data always spans the complete period between startdate and enddate, so it is the responsibility of the partner to ensure that the right period is checked for a certain reservation (see Appendix B).

Prices for a reservation are always based on the average of prices for the days during the reservation period. Therefore a change of prices during the transition between high-season and low-season or vice versa will always result in an exactly calculated price, even if the actual transition is halfway during the reservation.

2. Input (parameter list)

Field	Type	Description
function	STRING	Represents requested function; in this case “prices”
PartnerID	STRING	Your partner code
Type	STRING	Type of availability (week, midweek, longweekend, twoweeks and threeweeks)
Schemaversion	STRING	Setting the value '2.0' (ex: schemaversion=2.0), you can download the new version (Version 2.0) of the 'week', 'midweek' or 'longweekend' files (described above).

3. Output (XML)

Field	Type	Description
BN_prices	Object	Response object, containing function response.
startdate	DATE	Startdate of availability information (DD-MM-YYYY)
Enddate	DATE	Enddate of availability information (DD-MM-YYYY)
Porto	Decimal	Postal costs which are applied if renter requests any information regarding the accommodations via postal services.
house	Object	Object containing availability (price, discount, insurances) for accommodations
houseid	String	An attribute of the house element which holds the BungalowNet houseid of the accommodation
Price	String	Availability string containing comma separated prices as content. Price does not includes discounts and insurances
Discount	String	String containing comma separated discounts.
Insurance	String	String containing comma separated insurances

*Output fields (XML) – for types week, midweek, long weekend (**Version 2.0**) and for the types two weeks and three weeks*

4. Output fields (XML) – for types week, midweek, long weekend (Version 2.0) and for the types two weeks and three weeks

Field	Type	Description
BN_prices	Object	Response object, containing function response.
startdate	DATE	Startdate of availability information (DD-MM-YYYY)
Enddate	DATE	Enddate of availability information (DD-MM-YYYY)
Porto	Decimal	Postal costs which are applied if renter requests any information regarding the accommodations via postal services.
house	Object	Object containing availability (price, discount, insurances) for accommodations
houseid	String	An attribute of the house element which holds the BungalowNet houseid of the accommodation
Startdate	Date	The startdate of the current availability period
Enddate	Date	The enddate of the current availability period
Price	String	Full price of the current period
Discount	String	Possible discount which can be extracted from the full price and will results the current price for that period.
TotalPrice	Decimal	The Final price calculated from the Price and Discount. Does not contain the Insurance
Insurance	Decimal	The Insurance
PricesWithExtraPersons	String	It is filled in only in case when extra person influences the price. Contains a list of prices separated with a semicolon. The first amount represents the full price when the number of persons exceeds the threshold limit with 1 (see function 'housereply' field 'price_pdpp_drempel'), the second when number of persons exceeds the threshold with 2, etc.
InsurancesWithExtraPersons	String	Contains the insurances for prices when the number of persons exceeds the threshold limit (more details above at 'PricesWithExtraPersons')
DiscountsWithExtraPersons	String	Contains the discounts for prices when the number of persons exceeds the threshold limit (more details above at 'PricesWithExtraPersons')

TotalPricesWithExtraPersons	String	Contains the discounted prices when the number of persons exceeds the threshold limit (more details above at 'PricesWithExtraPersons')
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5. Example input:

<http://www.bungalow.net/partners/xmlsolution.ashx?partnerid=12345&function=prices&type=week>

6. Example output for week, midweek and longweekend types (fragment):

```
<?xml version="1.0" encoding="utf-8"?>
<BN_prices xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <startdate>22-4-2010</startdate>
  <enddate>22-4-2012</enddate>
  <porto>14.50</porto>
  <house houseid="BN195">
    <Price>419,0,0,0,0,454,0,454,454,454,0,0, ... ,0,0,0,0,0,0,0,0</Price>
    <Discount>0,0,0,0,0,0,0,0,0,0,45,45,45,48,48, ... ,0,0,0,0,0,0,0,0,0,0,0</Discount>
    <Insurance>11.76,0,0,0,0,12.32,0,12.32,12.32,12.32,0,0,0,0,0,0,0</Insurance>
  </house>
  <house houseid="BN498">
    <Price>515,0,515,515,515,515,515,515,982, ... 0,0,0,982,982,982,0,0,0,0</Price>
    <Discount>184,0,184,184,184,184,0,0,0,0,0, ... ,0,0,0,0</Discount>
    <Insurance>10.34,0,10.34,10.34,10.34,10.34,13.30,13.30,13.30,20.83,0,0, ...
,0,0,0,0,0</Insurance>
  </house>
  ...
</BN_prices>
```

7. Example output for week, midweek, longweekend (version 2.0) and for two weeks and three weeks (fragment):

```
<?xml version="1.0" encoding="utf-8"?>
<BN_prices xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <startdate>22-4-2010</startdate>
  <enddate>22-4-2012</enddate>
  <porto>14.50</porto>
  <house houseid="BN35293">
    <Period>
      <Startdate>23-4-2010</Startdate>
      <Enddate>6-5-2010</Enddate>
      <Price>372</Price>
      <Discount>67</Discount>
      <TotalPrice>303</TotalPrice>
      <Insurance>12.03</Insurance>
    </Period>
    <Period>
      <Startdate>23-7-2010</Startdate>
      <Enddate>5-8-2010</Enddate>
      <Price>764</Price>
      <Discount>0</Discount>
      <TotalPrice>303</TotalPrice>
      <Insurance>12.03</Insurance>
    </Period>
  </house>
</BN_prices>
```

```
        </Period>
    ...
</house>
<house houseid="BN17312">
    <Period>
        <Startdate>23-4-2010</Startdate>
        <Enddate>6-5-2010</Enddate>
        <Price>510</Price>
        <Discount>190</Discount>
        <TotalPrice>303</TotalPrice>
        <Insurance>12.03</Insurance>
    </Period>
    ...
</house>
...
</BN_prices>
```


Function “request_price”

1. General description:

This function gives a real-time answer for a certain period, number of persons, and house ID. It is meant to enable the partner to do a last-minute check as to whether the accommodation availability that was stored in the own database is really correct. Main reason for this is that an accommodation might be reserved during the day after the nightly XML updates. Result also contains a link to the www.bungalow.net booking steps preinitialised with the requested house and availabilities.

2. Input (parameter list):

Field	Type	Description
function	STRING	Represents requested function; in this case “request_price”
PartnerID	STRING	Your partner code
houseid	STRING	ID of the requested house
startdate	DATE	First day of booking (DD-MM-YYYY)
enddate	DATE	The day before departure date (DD-MM-YYYY)
nopersons	INTEGER	Number of persons (optional)

3. Output (XML):

Field	Type	Description
price	DOUBLE	Total costs for requested reservation (does not contain the below insurance).
Insurance	DECIMAL	The liability/damage insurance
booking	STRING	Link to booking page whit the selected house and dates
OR		
error	STRING	Error message; most likely “accommodation unavailable”

4. Example input:

http://www.bungalow.net/partners/xmlsolution.ashx?partnerid=12345&function=request_price&houseid=XXX&startdate=13-03-2010&enddate=19-03-2010&nopersons=2

5. Example output (fragment):

```
<?xml version="1.0" encoding="utf-8" ?>
<Prices >
  <price>353</price>
  <insurance>9.66</insurance>
  <booking>http://www.bungalow.net/partners/partner\_reserve.aspx?partnerid=830&startdate=2010-04-10&enddate=16-04-2010&nopersons=2&houseid=513</booking>
</Prices>
```

Function “region_info”

1. General description:

This function generates an XML file with region-values which refer to the field region1 and region2 in Function house_reply.

2. Input (parameter list):

Field	Type	Description
Function	STRING	Represents requested function; in this case “region_info”
PartnerID	STRING	Your partner code
Lcid	Number	(optional) Language of regions. Possible values: “2057” - English “1031” - German “1043” - Dutch (default value) Other languages see Appendix E

3. Output (XML):

Field	Type	Description
BN_regions	Object	Response object, containing function response.
id	Number	Id Value refers to field region1 and region2 in Function house_reply
country	String	Countryname
descriptionnl	String	Regionname

4. Example input:

http://www.bungalow.net/partners/xmlsolution.ashx?partnerid=12345&function=region_info&lcid=1234

5. Example output (fragment):

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<BN_regions>
  <BN_region>
    <id>1</id>
    <country>oostenrijk</country>
    <descriptionnl>Vorarlberg</descriptionnl>
  </BN_region>
  ...
</BN_regions>
```

Function “country_info”

1. General description:

This function generates an XML file with text over the country this file is being generated realtime.

2. Input (parameter list):

Field	Type	Description
Function	STRING	Represents requested function; in this case “country_info”
PartnerID	STRING	Your partner code
Lcid	Number	(optional) Language of areas. Possible values: “2057” - English “1031” - German “1043” - Dutch (default value) Other languages see Appendix E

3. Output (XML):

Field	Type	Description
country_info	Object	Response object, containing function response.
info	String	Text about the country
country	String	Countrycode

4. Example input:

http://www.bungalow.net/partners/xmlsolution.ashx?partnerid=12345&function=country_info&lcid=1234

5. Example output (fragment):

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<country_info>
  <info country="nl">Salzburgerland</info>
</country_info>
```

Function “request_questionnaire”

1. General description:

This function generates an XML file with questionnaire results for the selected house. Questionnaire results are not yet available for each house. If it is not available you will get an error message with the following text:

“Questionnaire is not yet filled in for the selected house.”

It is gets real-time data from our database.

2. Input (parameter list):

Field	Type	Description
Function	STRING	Represents requested function; in this case “request_questionnaire”
PartnerID	STRING	Your partner code
Lcid	Number	Language of questionnaire. (see Appendix E)
HouseID	Number	ID of selected house

3. Output (XML):

Field	Type	Description
questionnaires	Object	Response object, containing function response.
questionnaire	Object	It contains the questions and answers of questionnaire. If more than one people filled in the questionnaire then questionnaires object contains more questionnaire objects
question	String	It contains the question in the selected language
answer	String	It contains the question in the selected language. For some questions there are more than one answers. In those cases there are more answer fields after question field. Lot of answers contain “rating” parameters where “1” is the best value and “6” is the worst.

4. Example input:

http://www.bungalow.net/partners/xmlsolution.ashx?lcid=1043&houseid=515&partnerid=XXXX&function=request_questionnaire

5. Example output (fragment):

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<questionnaires houseid="BN513">
<questionnaire>
  <question questionid="1">
    In what way did you first get in contact with Bungalow.Net?
  </question>
  <answer questionid="1">Otherwise</answer>
  ...
  <question questionid="4">
    What did you think of the searchingproces of the website (simple/easy/fast)?
  </question>
  <answer questionid="4" rating="1">Excellent</answer>
  ...
</questionnaire>
...
</questionnaires>
```

Function “last_minutes”

1. General description:

This function generates an XML file with the actual last minute offers.

2. Input (parameter list):

Field	Type	Description
Function	STRING	Represents requested function; in this case “last_minutes”
PartnerID	STRING	Your partner code
Lcid	Number	(optional) Language of last-minutes. See Appendix E for possible values. Default value is 1043 (dutch).

3. Output (XML):

Field	Type	Description
Theme	Object	Response object, containing last-minutes.
Houses	Object	Contains the last minute offer details for a specified house
Houseid	Number	ID of the house
Name	String	Name of the house
Place	String	Region
Country	String	Country code see Appendix A
Land	String	Country Name
Image	String	Picture url for the actual house
Priceperpersonperweek	Number	Last-minute price of the house with one person
Frompriceperpersonper week	Number	Original price of the house which will be decreased with last-minute discount
Price_check		Not used yet
Link	String	Url which points to house detail page
Description	String	House description on selected language
Startdate	Date	Start date of the last-minute period (price is given for that period)(DD-MM-YYYY)
Enddate	Date	End date of actual last-minute period (DD-MM-YYYY)
Fmonth	String	Year and month of startdate
Period	String	Perid string wich contains startdate and duration
Duration	String	Length of last minute period
Holidayperiod	String	Always “Last-minutes”
Special	String	Always “Last-minutes”
Nopersons	Number	Maximum number of persons allowed in actual house
Resstring	String	Contains duration in encoded format
Stars	Number	Number of stars for selected house
Name	String	Name of the house

4. Example input:

http://www.bungalow.net/partners/xmlsolution.ashx?partnerid=12345&function=last_minutes&lcid=1234

Booking an accommodation with Bungalow.Net booking steps

1. General description

The URL below can be used for making reservations. You can use in different languages:

Dutch: http://www.bungalow.net/partners/partner_reserve.aspx

German: http://www.bungalow.net/de/partners/partner_reserve.aspx

English: http://www.bungalow.net/en/partners/partner_reserve.aspx

Hungarian: http://www.bungalow.net/hu/partners/partner_reserve.aspx

Czech: http://www.bungalow.net/cz/partners/partner_reserve.aspx

Italian: http://www.bungalow.net/it/partners/partner_reserve.aspx

Spanish: http://www.bungalow.net/es/partners/partner_reserve.aspx

French: http://www.bungalow.net/fr/partners/partner_reserve.aspx

Romanian: http://www.bungalow.net/ro/partners/partner_reserve.aspx

2. Input (parameter list):

Field	Type	Description
PartnerID	STRING	Your partner code (optional)
houseid	STRING	ID of the requested house
startdate	DATE	Booking startdate (DD-MM-YYYY)
enddate	DATE	Booking enddate (DD-MM-YYYY)
nopersons	INT	where Y means the number of persons
showlayout		=off indicates that the frame must be shown without Bungalow.Net layout.

3. Example input:

http://www.bungalow.net/partners/partner_reserve.aspx?partnerid=12345&houseid=XXX&startdate=13-03-2010&enddate=19-03-2010&nopersons=Y&showlayout=off

Booking an accommodation via URL request

1. General description

You can create your own booking steps if you use booking via url request. In this case you will create your own forms to get renter details from renter and you will pass these details through and URL request to us. On our site there are some options during booking steps which changes the final Total price. You have to use partner_prereserve(described in next chapter) function to provide every possibilities to renter.

2. Testing Booking:

If you would like to make test bookings (which will be canceled at the end) please set for the 'firstname' or 'surname' values which starts with keyword 'TESTBOOKING'. Ex: firstname='TESTBOOKINGxxx' or firstname='testbooking'. (these settings will help our system to avoid these bookings to be included in the statistics).

3. Input (parameter list):

Field	Type	Description
PartnerID	STRING	Your partner code (MANDATORY)
houseid	STRING	ID of the requested house (MANDATORY)
startdate	DATE	First day of booking(DD-MM-YYYY)(MANDATORY)
enddate	DATE	The day before departure date (DD-MM-YYYY) (ex: if you departure on march 17, you have to set march 16).(MANDATORY)
child0002	INT	Number of persons (age 0 until 2 years)
child0304	INT	Number of persons (age 3 until 4 years)
childbirthdate04	DATE	Birthdate of the youngest person(only required when child0002 or child0304 is filled in)(optional)
child0512	INT	Number of persons (age 5 until 12 years)
child1317	INT	Number of persons (age 13 until 17 years)
adult1820	INT	Number of persons (age 18 until 20 years)
adult2149	INT	Number of persons(age 21 until 49 years)
adult50	INT	Number of persons (50 years and older)
adult50birthdate	DATE	Birthdate of the oldest person(only required when adult50 is filled in)
adult50IdNumber	STRING	ID Number of the oldest person (passport or other ID) (only required when adult50 is filled in)
no_Animals	INT	Number of pets
days_Animals	INT	Number of days when pet will be there.
Language	STRING	2 letters where xx is language text code (see Appendix E)
SELF EXPLANING FIELDS:		
Firstname	STRING	
Insertion	STRING	
Lastname	STRING	(MANDATORY)
Address	STRING	(MANDATORY)
Zipcode	STRING	(MANDATORY)
City	STRING	(MANDATORY)
Country	STRING	Countrycode (see Appendix A)(MANDATORY)
Email		(MANDATORY)
Phonenumber	STRING	(MANDATORY)
Mobilephone	STRING	

Faxnumber	STRING	
Birthdate	DATE	Format DD-MM-YYYY (MANDATORY)
travelinsurance	BOOLEAN	1 means true and 0 is false (available ONLY for clients from Netherland, countrycode NL)
cancelinsurance	BOOLEAN	1 means true and 0 is false
travelandcancellationinsurance	BOOLEAN	1 means true and 0 is false. Contains the travel and cancellation insurance together (available ONLY for clients from Netherland, countrycode NL)
porto	BOOLEAN	1 means true and 0 is false - Extra post service
duration	STRING	Possible values: 1week/2week/3week/lawekend/midweek or week/twoweeks/threeweeks/midweek
gender	STRING	Possible values: f or m f - female m - male
paymethod	INT	Possible values: 1 or 2 1 – payment with creditcard/onlinepayment 2 – payment with banktransfer
Extraid_1...n	INT	It contains the ID of the selcted extra (id of extra can be found by applying for the additional info of about booking URL – see next chapter) This property should be set only if the extra has to be applied, otherwise set value to 0 or not include in URL at all.
Extranr_1...n	INT	Number of persons the extra should applied to. This field has to be set (and will be considered by our system) depending the type of the extra: Ex: if extra is 'amount per person per day', this has to be set and will be used, but if extra is 'fixed amount per reservation' this field does not need to be filled (if filled, will not be taken in consideration) as the number of persons will have no influence on the price amount (extra type can be found by applying for the additional info of about booking URL – see next chapter)
Extradays_1...n	INT	Number of days the extra should applied to. This field has to be set (and will be considered by our system) depending the type of the extra: Ex: if extra is 'amount per person per day', this has to be set and will be used, but if extra is 'fixed amount per person' this field does not need to be filled (if filled, will not be taken in consideration) as the number of days will have no influence on the price amount (extra type can be found by applying for the additional info of about booking URL – see next chapter)
Definite	STRING	If set to 'true', the booking will be automatically confirmed.

4. Output (XML):

Field	Type	Description
BookingsID	STRING	The reservation/booking id. If reservation not succeeded, it is 0.
Commission	decimal	The commission of the partner in Euro.
Error	int	0 = booking succeeded 100 = unknown partner 101 = partnerid has no acces 102 = missing required fields 103 = house not available 104 = house does not exists / not active 105 = House not available any more. 106 = Difference between booking date and startdate has to be at least 3 days.

		107 = Pets not allowed or the pets number supplied is greater then the maximum allowed pets 108 = Testbooking not valid. (If the Name, Address, HouseNumber, Postalcode or Email parameters value is equal with the word "test" (with the purpose of testing) then only the following houseids are accepted: 8939, 513, 514, 515, 516, 681).
--	--	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

5. Example input:

https://www.bungalow.net/partners/partner_booking.ashx?Partnerid=XXXX&houseid=XXX&startdate=DD-MM-YYYY&enddate=DD-MM-YYYY&child0002=Y&child0304=Y&childbirthdate04= DD-MM-YYYY&child0512=Y&child1317=Y&adult1820=Y&adult2149=Y&adult50=Y&adult50birthdate=DD-MM-YYYY&adult50IdNumber=xxxxxxxxxx&language=xx&no_Animals=Y&days_Animals=Y&firstname=FIRSTNAME&insection=INSERTION&surname=SURNAME&Address=ADDRESS&housetno=HOUSENO&zipcode=ZIPCODE&city=CITY&country=XX&email=xxxxxx@xxx.xxx&phonenumber=12345-678-900&mobilephone=12345-678-900&faxnumber=12345-678-900&birthdate=DD-MM-YYYY&travelinsurance=1&cancelinsurance=1&travelandcancellationinsurance=0&porto=1&newsletter=1&duration=S&extraid_1=12345&extranr_1=2&extradays_1=7&extraid_2=2234&extranr_2=2&extradays_2=7&paymethod=1&gender=m

6. Example of the output

- When the booking has finished sussesfull then the xml reply would be:

```

<?xml version="1.0" encoding="utf-8" ?>
<BN_booking>
  <Error>0</Error>
  <BookingsID>50208</BookingsID>
  <Commission>10.56</Commission>
</BN_booking>

```

- When there occurred an error you would get this:

```

<?xml version="1.0" encoding="utf-8" ?>
<BN_booking>
  <Error>104</Error>
  <BookingsID>0</BookingsID>
</BN_booking>

```

- If a required field is missing or its value is not valid:

```

<?xml version="1.0" encoding="utf-8" ?>
<BN_booking>
  <Error>102 - parameter 'startdate' is missing or it's value is not valid</Error>
  <BookingsID>0</BookingsID>
</BN_booking>

```

Get additional info for booking via URL request

1. General description

Partner_prereserve function is required to create a booking via URL. The function returns required options during booking steps. It returns selectable extra's, insurance packages, and necessary prices for booking.

2. Description of the results:

The child and adult fields are required only when there are 1 or more persons in that age. These fields are very important for calculating the right prices, because there are a lot of special prices.

Prices are in euro's.

The Optional filed/fielddescriptions are also the variable names that are being give to the function xmlbooking

3. Input (parameter list):

Field	Type	Description
PartnerID	STRING	Your partner code
houseid	STRING	ID of the requested house
startdate	DATE	First day of booking(DD-MM-YYYY)
enddate	DATE	The day before departure date (DD-MM-YYYY) (ex: if you departure on march 17, you have to set march 16).
child0002	INT	Number of persons (optional) (age 0 until 2 years)
child0304	INT	Number of persons (optional) (age 3 until 4 years)
childbirthdate04	DATE	Birthdate of the youngest person(only required when child0002 or child0304 is filled in) (optional)
child0512	INT	Number of persons (optional) (age 5 until 12 years)
child1317	INT	Number of persons (optional) (age 13 until 17 years)
adult1820	INT	Number of persons (optional) (age 18 until 20 years)
adult2149	INT	Number of persons (optional) (age 21 until 49 years)
adult50	INT	Number of persons (optional) (50 years and older)
adult50birthdate	DATE	Birthdate of the oldest person(only required when adult50 is filled in)
adult50IdNumber	STRING	ID Number of the oldest person (passport or other ID) (only required when adult50 is filled in)(it is required for discounts sometimes)
no_Animals	INT	Number of pets (not required)
days_Animals	INT	Number of days when pet will be there. (optional)
countrycode	STRING	Country code (see Appendix A), if not set, no insurances will be available
languages	STRING	2 letters where xx is language text code (see Appendix E)

4. Output (XML):

Field	Type	Description
TotalPrice	decimal	Complete price excluding deposit but including discount and localPrice. TotalPrice+Deposit is what the renter has to pay.
LocalPrice	STRIN	The amount that the renter has to pay at arrival by the owner.
ExtraPersonPricePer Day	Decimal	Additional price per person per day. When the number of persons exceed the PriceThreshold, this price has to be paid for each extra person for each day. The RentalPrice and the TotalPrice already contains this

		amount.
PersonThreshold	int	Person limit. If the number of persons exceeds this limit, for each extra person an additional cost will be charged (see ExtraPersonPricePerDay). If the limit is 0, no extra will be charged.
Local	Bit	1 = price has to be paid at arrival (to owner) 0 = price has to be paid right away (to Bungalow.Net)
Obliged	fields	Sum of these fields defines the minimum price.
Optional	fields	These fields are selectable by the renter during booking steps.
Extra	fields	These fields are selectable by the renter during booking steps.
fieldtype/extratyp	string	Apd = amount per day App = amount per person Apppd = amount per person per day Apw = amount per week Apppw = amount per person per week Fapr = fixed price per reservation Fapw = fixed price per week Aps = amount per set Aate = amount according to expenditure None = free of charge or after contacting Owner the price will be set
Error	INT	100 = unknown partner 101 = partnerid has no acces 102 = missing required fields 103 = house not available 104 = house does not exists / not active

5. Example input:

http://www.bungalow.net/partners/partner_prereserve.ashx?partnerid=12345&houseid=XXX&startdate=YY-YY-MM-DD&enddate=YYYY-MM-DD&child0002=Y&child0304=Y&childbirthdate04=YYYY-MM-DD&child0512=Y&child1317=Y&adult1820=Y&adult2149=Y&adult50=Y&adult50birthdate=YYYY-MM-DD&adult50IdNumber=xxxxxxxxxx&no_Animals=Y&days_Animals=Y&languages=nn

6. Example output:

- If there are no errors you will get a result like this:

```
<?xml version="1.0" ?>
- <BN_prices xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  - <Field>
    <fielddescription>houseid</fielddescription>
    <fieldvalue>62970</fieldvalue>
  </Field>
  - <Field>
    <fielddescription>startdate</fielddescription>
    <fieldvalue>17-4-2010</fieldvalue>
  </Field>
  ...
  - <Optional>
    - <Field>
      <fielddescription>travelinsurance</fielddescription>
      <fieldvalue>12.25</fieldvalue>
    </Field>
    ...
```

```

</Optional>
- <Obligated>
  - <Field>
    <fielddescription>RentalPrice</fielddescription>
    <fieldvalue>399.00</fieldvalue>
  </Field>
  ...
</Obligated>
- <Extra>
  - <Field>
    <extraid>46473</extraid>
    <extradescription>Kinderbed</extradescription>
    <extratype>fapr</extratype>
    <extravalue>10.00</extravalue>
    <fieldmax>0</fieldmax>
    <extralocal>1</extralocal>
  </Field>
  ...
</Extra>
</BN_prices>

```

- When something went wrong you will get:

```

<?xml version="1.0" encoding="utf-8" ?>
<BN_booking>
  <Error>104</Error>
</BN_booking>

```

- If a required field is missing or its value is not valid:

```

<?xml version="1.0" encoding="utf-8" ?>
<BN_booking>
  <Error>102 - parameter 'startdate' is missing or it's value is not valid</Error>
</BN_booking>

```

Appendix A – Country references

CountryCode	CountryName
NL	Netherlands
BE	Belgium
LU	Luxembourg
DE	Germany
FR	France
ES	Spain
PT	Portugal
AT	Austria
CH	Switzerland
CZ	Czech Republic
HU	Hungary
GR	Greece
IT	Italy
DK	Denmark
HR	Croatia
NO	Norway
SE	Sweden
PL	Poland
SK	Slovakia
RO	Romania
TR	Turkey
BG	Bulgaria
CY	Cyprus

Appendix B – Explanation of reservation periods

Week reservations:

Weeks generally start on Saturdays; reservations are (technically) made for six days: Saturday to (and including) the following Friday. Renters can then arrive and depart on Saturday. The reservation offset called "startday_week" may alter this behaviour in the following way:

- startday_week = -1 week reservations from Friday to (and including) the following Thursday
- startday_week = 0 week reservations from Saturday to (and including) the following Friday
- startday_week = 1 week reservations from Sunday to (and including) the following Saturday

Midweek reservations:

Reservations from Monday to (and including) the following Thursday. Renters may arrive in the afternoon on Monday and depart on Friday morning.

Longweekend reservations:

Reservations from Friday to Sunday. Renters may arrive in the afternoon on Friday and depart Monday morning.

Appendix C – Types of cost calculation

The following cost calculation methods are available for several cost types:

- "vastbedragperreservering" or "vastbedrag"
The amount is fixed for a reservation. Number of persons or duration of stay is of no influence.
- "vastbedragperweek"
The amount is fixed per week. Number of persons is of no influence. All reservations under one week count as one week in the calculation.
- "bedragpp"
The amount is per person. The duration of stay is of no influence.
- "bedragpd"
The amount is per day. The number of persons is of no influence.
- "bedragpppd"
The amount is per person per day.
- "bedragpppw"
The amount is per person per week.
- "geen"
It is not charged.
- "naarverbruik"
Costs according to expenditure.

Appendix D – Possible error messages

The following (self-explanatory) error messages may occur when requesting information through `xmlsolution.ashx`:

Error type	Error description
Authorization error	Partnerid not provided (please put 'partnerid=PARTNERID' in querystring) or partner XXXX not authorized.
Partner unknown	The system has not recognized partner with PartnerID XXXX.
Invalid IP address	The system is configured not to allow access for IP XX.XX.XX.XX. Please contact Bungalow.Net.
XML access disabled	The system is configured not to allow XML access for partner XXXX. Please contact Bungalow.Net.
Unknown function	Available functions are 'houstoreply' and 'availability'. Please request this page in the form of 'xmlsolution.asp?function=FUNCTION'.
Unknown availability type	Please provide the type of availability in your querystring ('type=TYPE'). Optional values are: 'week', 'midweek' and 'longweekend'.
Unknown price type	Please provide the type of prices in your querystring ('type=TYPE'). Optional values are: 'week', 'midweek' and 'longweekend'.

Within the context of the "houstorequest" function for specific house / period details, there are the following possible error messages:

"House ID not provided in request. Please add 'houseid=XXXX' to your querystring."

"Startdate or enddate not provided in request. Please add 'startdate=YYYY-MM-DD' and 'enddate=YYYY-MM-DD' to your querystring."

"Number of persons not provided in request. Please add 'persons=X' to your querystring."

"Requested house (XXXX) was not found."

Appendix E – Language Codes

You can use the following language codes(lcid) and lanugage text codes (lang) in some functions to select the language:

<i>lcid</i>	<i>lang</i>	<i>Language</i>
1043	NL	Dutch
2057	EN	English
1031	DE	German
1029	CZ	Czech
1040	IT	Italian
1038	HU	Hungarian
1034	ES	Spanish
1036	FR	French
1048	RO	Romanian

Appendix F – House Types

Our houses have different types. You can match the housetypeID with the names with this table

HouseTypeID	Name
1	Bungalow
2	Gite
3	Chambre d'Hotes
4	Trailer
5	Boarding house
6	Chalet
7	Apartment
8	Villa
9	Estate
10	Castle
11	Group accommodation
12	Bed and Breakfast
13	Farm
14	House
17	Studio
18	Holiday parks
22	Hotel
23	Camping
24	Cottage

Appendix G - House features

airconditioning	internetconnection
atm	kitchenlinnen
babybath	laundrette
bakery	microwave
balcony	minigolf
bar	oven
barbecue	parking
bathlinnen	playground
bathtub	playpen
beach	publicswimmingpool
bedlinnen	publictransport
bikerent	refrigerator
burglaralarm	restaurant
cdplayer	sauna
city	sea
coffeemachine	shops
cooker	sizeofthecooker
cot	skiingpossibilities
dishwasher	spapool
distancetocapital	supermarket
distanceutrecht	swimmingpool
dvdplayer	television
electricalkettle	tennis court
fireplace	terrace
fitness	themepark
freezer	thermalspringsspa
garage	toaster
garden	tumbledryer
gardenfurniture	vineyard
golfing	washingmachine
heating	water
highchair	watersports
holidaypark	wellnesscentre
horseriding	
houseownerpresent	
internationalairport	

Version History

1.0	November 26 th 2008	First draft describing main functionality.	BN
12.0	March 3 th , 2010	Updated XML Solution to the new Bungalow.Net Version	BN
12.1	March 11 th , 2010	<ul style="list-style-type: none"> – Arrangement function added – House_by_type function added – Update for Appendix A – Country codes changed to the ISO-2 standard – Update for Appendix E – Language text codes inserted 	BN
13.0	March 19 th , 2010	<ul style="list-style-type: none"> – added functionality to download files with accommodations which allow pets – Booking an accommodation with Bungalow.Net booking is available in different languages now. – added functionality 'Get additional info for booking via URL request' – added functionality 'Booking an accommodation via URL request' – added function add_data 	BN
13.1	April 12 th , 2010	<ul style="list-style-type: none"> – Values of duration parameter extended in 'Booking Via URL request' – Commission field added in the result of the 'Booking Via URL request' – 'Fieldtype' value added in the resultset of the 'Get additional info for booking via URL request' 	BN
13.2	April 22 th , 2010	<ul style="list-style-type: none"> – Prices function extended with the type 'twoweeks and threeweeks' 	BN
13.3	May 27 th , 2010	<ul style="list-style-type: none"> – 'Arrangement' function extended with fields 'Fullprice' and 'Discountedprice'. – 'Price_request' extended to return information about arrangements – Introduced the possibility to download files containing information only about Bungalow Net houses. Can be used with 'house_reply' and '5000' functions by setting the 'onlyBNHouses' field – house descriptions available in all languages in 'houreply' function – Booking via URL contains extra parametes for 'extrapersoninsurance, autoinsurance, badweatherinsurance and extradaysinsurance' and extradays for setting the days of an extra 	BN
13.4	June 9 th , 2010	<ul style="list-style-type: none"> – New housereply feed added: accommodations sorted by booking nr – partner_prereserve feed fieldtype/extrattype was missing field 'fapw'. – 'holidaypark' field was missing from housereply feed. 	BN
13.5	July 19 th , 2010	<ul style="list-style-type: none"> – Files containing also houses with min_price = 0 are available for download (by setting the parameter 'zeropriceallowed' to true) 	BN

13.6	September 28 th , 2010	<ul style="list-style-type: none"> – New parameter 'paymethod' added to the booking via URL. Using this parameter, the user can tell to the BN system what kind of payment was used for the booking. 	BN
13.7	October 29 th , 2010	<ul style="list-style-type: none"> – Two fields were added to the partner_prereserve functionality (Get additional info for booking via URL request): ExtraPersonPricePerDay and PersonThreshold 	BN
13.8	November 3 th , 2010	<ul style="list-style-type: none"> – 'Currenncy' parameter added to the prices function – new error cod (107) introduced in the URL booking 	BN
14.0	March 1 th , 2011	<ul style="list-style-type: none"> – URL Booking extended with the error code 108 – URL Booking extended with the parameter "definite". – Video links included in the HouseReply XML – New Price XMLs included with the version Nr 2.0 (see function 'Prices' section). – Prices XMLs with type two weeks and three weeks were extended with 'totalprice' and 'insurance' data – input parameter 'duration' removed from the function 'request_price'. Will be calculated from the startdate and enddate – price and availabilities files with the extension 'weekend' were removed from the xmlsolution. Only 'longweekend' will exists from now on. 	BN
14.1	April 26 th , 2011	<ul style="list-style-type: none"> – The result of the 'Request_price' function is now extended with the 'insurance' field 	BN
14.2	November 3 th , 2011	<ul style="list-style-type: none"> – All prices in the XML solution are provided with 2 digits precision. – HouseReply XMLs 'additional_costs' object was extended with the 'coldadd_from' and 'coldadd_until' properties 	BN
14.3	November 8 th , 2011	<ul style="list-style-type: none"> – gas, water and electricity fields introduced in additional_costs object of the housereply XML – additional_costs object can contain any new costs with the following fields: costname, costname_type, costname_local, costname_from, costname_until 	BN
14.4	April 25 th , 2013	<ul style="list-style-type: none"> – URL Booking extended with the parameter "gender". – Housereply output extended with the following fields: 'minimumstay', 'uselowerpriceatcombination', 'partnercommissiontype'. – 'reservation_fee' removed from Housereply output. – The following XML generations were deactivated (they will be available again only for request): <ul style="list-style-type: none"> – Mostpopularhouses – Houses with pets – Most booked 5000 houses – No houses with min_price = 0 	BN

		<ul style="list-style-type: none"> – Prices with given currency - Prices XML extended with the fields <i>PricesWithExtraPersons,</i> <i>InsurancesWithExtraPersons,</i> <i>DiscountsWithExtraPersons,</i> <i>TotalPricesWithExtraPersons</i> 	
14.5	July 10 th , 2013	<ul style="list-style-type: none"> – Removed insurances from booking and prereserve functions: extrapersoninsurance, autoinsurance, badweatherinsurance, extradaysinsurance, sportcoverage and newsletter – Add travelandcancellations insurance pack to the reservation process – Add countrycode parameter to the prereserve method 	
14.6	November 18th, 2013	<ul style="list-style-type: none"> - Remove areas entirely 	