

Publisher-Handbook

SmartFeeds ProductData Web Services



Version 1.4.1

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Version 1.4.1

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2 Introduction

The belboon Webservices (SOAP-Protokoll) enables you to work with our network automatically without you having to login through the interface.

Using the belboon SmartFeeds-Webservice API you can access the datafeeds of belboon Merchants fully automatically. More than 500 online shops offer you many million products through the product databank. In order to access the datafeeds of the relevant merchants, you must have an active partnership to the programs.

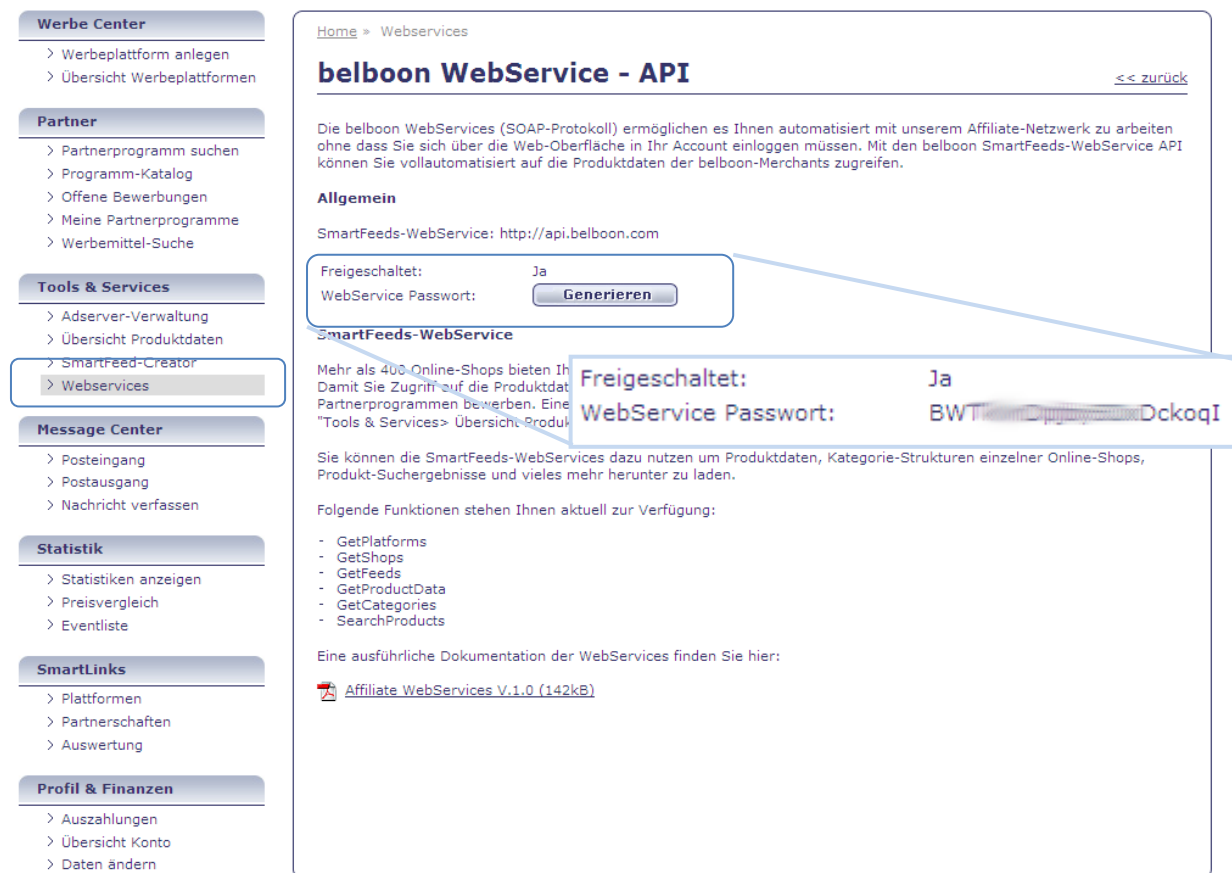
A condensed overview of all merchants with datafeeds can be seen in the menu: "Overview Datafeeds". You can use the SmartFeeds-Webservices to download datafeeds, category structures, individual shops, product search results and much much more.

SmartFeeds-WebService-URL: <http://smartfeeds.belboon.com/SmartFeedServices.php?wsdl>

3 Generating A Web Service-Password

The SmartFeeds-Web Services Using you can access the datafeeds of belboon Merchants without having to login to your belboon account.

In the Menu "Tools & Services > Webservices" you have the opportunity to generate your Web Service password. Afterwards you will be able to see this in this section. The username for the use of the Web Services is exactly the same as the username from your Affiliate account.



The screenshot shows the 'belboon WebService - API' page. On the left is a navigation menu with categories: Werbe Center, Partner, Tools & Services, Message Center, Statistik, SmartLinks, and Profil & Finanzen. The 'Tools & Services' menu is expanded to show 'Webservices'. The main content area is titled 'belboon WebService - API' and includes a '<< zurück' link. The text explains that the services use SOAP-Protokoll and allow access to product data without logging in. Under the 'Allgemein' section, the 'SmartFeeds-WebService' URL is listed as 'http://api.belboon.com'. A form shows 'Freigeschaltet:' set to 'Ja' and a 'WebService Passwort:' field with a 'Generieren' button. Below this, the generated password is displayed as 'BWT...DckoqI'. A list of available functions is provided: GetPlatforms, GetShops, GetFeeds, GetProductData, GetCategories, and SearchProducts. A link to the 'Affiliate_WebServices_V.1.0 (142kB)' documentation is also present.

4 SmartFeeds-Web Services

4.1 Result-Object

Upon calling up the web services function, the data will be delivered back over a uniform "Result-Object". This object contains several Meta data, for example: error messages and an Array of the called upon data.

Result-Object

Parameter	Type	Description
hasError	Boolean	Shows if an error occurs: true/false
ErrorMsg	String	optional error-massage
NumRecords	Integer	number of rows of the result-array
NumRecordsTotal	Integer	total number of rows for the request
Records	Array()	list of requested objects

4.2 Config-Array

Some function calls can be passed alongside the sessionhash and where applicable a search for an array of configuration parameters. With help of the Arrays, diverse filters can be set.

What values that can be passed in this Array, please refer to the descriptions of each function.

Key	Type	Default	Description
platforms	Integer[] (Array)	Null	limits the results to data of partnerprograms where a partnership with this adplatform-ID exist
feeds	Integer[] (Array)	Null	limits results to datafeeds with the provided IDs
offset	Integer	0	gives back search result starting at the offset
limit	Integer	Null	limits results to the provides number of datasets
updated_after	Date	1970-0-0	returns only data, that were updated after the provided date
categories	Integer[] (Array)	Null	limits the results to data that are in the provided belboon-categories
sort	String[] (Array)	array(„belboon_productnumber“ => „ASC“)	returns sorted data (for product-searches or feed-search) by the given data-field-name ascending or descending (ASC or DESC)
price_min	float	0.00	minimum price
price_max	float	999999.99	maximum price
categories	Integer[] (Array)	Null	Filters results to categories with the requested category-IDs. <i>*not all available products are matched to a belboon-category</i>
with_subcategories	Boolean	True	Delivers also product-results from sub-categories if category-filter is used. Standard: activated/yes (=TRUE).

4.3 Functions

4.3.1 Session / Authentication

4.3.1.1 login (username, password)

When a session hash value delivers [string ()] back, valid for 30 minutes, with the end of the 30 minutes with each new action / query starts again. For each individual query the session hash is delivered as authentication.

Request

Parameter	Type	Description
username	String	Username / Login
password	String	Webservice-password

Response-Parameter

Parameter	Type	Description
sessionHash	String	SessionHash for identification and to use in the following requests

Example:

```
<?php
define ("WSDL_SERVER",
"http://smartfeeds.belboon.com/SmartFeedServices.php?wsdl");
$oSmartFeed=new SoapClient(WSDL_SERVER);
$oSessionHash=$oSmartFeed->login('YourLoginName', 'YourPassword');
if(!$oSessionHash->HasError){
    $sSessionHash=$oSessionHash->Records['sessionHash'];
}
}
```

4.3.2 Partnership-Data

4.3.2.1 getPlatforms (SessionHash)

Returns a list (Array) all advertising platforms of ones account.

Request-Parameter

Parameter	Type	Description
sessionhash	String	SessionHash for identification

Response-Parameter

Parameter	Type	Description
id	Integer	AdPlatform-ID
name	String	AdPlatform-Name

Example:

```
<?php
define ("WSDL_SERVER",
"http://smartfeeds.belboon.com/SmartFeedServices.php?wsdl");
$oSmartFeed= new SoapClient(WSDL_SERVER);
$oSessionHash= $oSmartFeed->login('YourLoginName', 'YourPassword');
if(!$oSessionHash->HasError){
    $sSessionHash=$oSessionHash->Records['sessionHash'];
    $aResult=$oSmartFeed->getPlatforms($sSessionHash);
    var_dump($aResult);
}
```

4.3.2.2 getFeeds (SessionHash, [config])

Returns a list (Array) all datafeeds of the programs, with an active partnership, where necessary limited with a filter.

Request-Parameter

Parameter	Type	Description
sessionhash	String	SessionHash for identification
[config]	Array	Config Array, optional

Config-Array

Key	Type	Default	Description
offset	Integer	0	gives back search result starting at the offset
limit	Integer	Null	limits results to the provides number of datasets
platforms	Integer[] (Array)		limits the results to data of partnerprograms where a partnership with this adplatform-ID exist
sort	String[] (Array)	array(„belboon_productnumber“ => „ASC“)	returns sorted data (for product-searches or feed-search) by the given data-field-name ascending or descending (ASC or DESC)

Response-Parameter

Parameter	Type	Description
id	Integer	Ad-/Feed-ID of the product-datafeed
name	String	Ad-/Feed-Name
product_count	Integer	Number of products
last_update	String (YYYY-MM-DD HH:mm:ss)	Last update
program_name	String	Affiliate program name
url	String	Shop URL
logo_url	String	Shoplogo-URL

Example:

```

<?php
define ("WSDL_SERVER",
"http://smartfeeds.belboon.com/SmartFeedServices.php?wsdl");
$oSmartFeed= new SoapClient(WSDL_SERVER);
$oSessionHash= $oSmartFeed->login('YourLoginName', 'YourPassword');
if(!$oSessionHash->HasError){
    $sSessionHash= $oSessionHash->Records['sessionHash'];
    $aResult= $oSmartFeed->getFeeds($sSessionHash);
    var_dump($aResult);
}
  
```

4.3.3 Product-Data

4.3.3.1 getProductData (SessionHash, [config])

Returns a list (Array) of all productdata, optional filtered by the config-array restrictions.

Request-Parameter

Parameter	Type	Description
sessionhash	String	SessionHash for identification
[config]	Array	Config Array, optional

Config-Array

Key	Type	Default	Description
platforms	Integer[] (Array)	Null	limits the results to data of partnerprograms where a partnership with this ad-platform-ID exist
feeds	Integer[] (Array)	Null	limits results to data-feeds with the provided IDs
offset	Integer	0	gives back search result starting at the offset
limit	Integer	Null	limits results to the provides number of datasets
updated_after	Date	1970-0-0	returns only data, that were updated after the provided date
sort	String[] (Array)	array(„belboon_productnumber“ => „ASC“)	returns sorted data (for product-searches or feed-search) by the given datafield-name ascending or descending (ASC or DESC)
categories	Integer[] (Array)	Null	Filters results to categories with the re-

			requested category-IDs. <i>*not all available products are matched to a belboon-category</i>
with_subcategories	Boolean	True	Delivers also product-results from sub-categories if category-filter is used. Standard: activated/yes (=TRUE).

Response-Parameter

Parameter	Type	Description
feed_id	INT	ID of the productdata-feed
belboon_productnumber	String	belboon product-ID
belboon_programid	String	partnerprogram-ID
productnumber	String	merchant product-number
ean	String	EAN-Code
productname	String	Product-name
manufacturername	String	Manufacturer
brandname	String	Brand
currentprice	String	Current price
oldprice	String	Old price
currency	String	Currency
validfrom	String	Start-date for this offer
validuntil	String	End-date for this offer
deeplinkurl	String	Deeplink product-URL
basketurl	String	URL for putting the product directly into the shopping cart
imagesmallurl	String	URL of "small" product-picture
imagesmallheight	INT	Height of "small" product-picture
imagesmallwidth	INT	Width of "small" product-picture
imagebigurl	String	URL of "big" product-picture
imagebigheight	INT	Height of "big" product-picture
imagebigwidth	INT	Width of "big" product-picture
productcategory	String	Product-Category of the merchant
belboonproductcategory	String	belboon product-Category
productkeywords	String	Keywords
productdescriptionsshort	String	Short product description

productdescriptionlong	String	Long product description
Lastupdate	String	Last Update of the productdata (provided by the merchant)
shipping	String	Shipping costs
availability	String	Availability of the product
option1	String	Optional field / additional information
option2	String	Optional field / additional information
option3	String	Optional field / additional information
option4	String	Optional field / additional information
option5	String	Optional field / additional information

Example:

```

<?php
define ("WSDL_SERVER",
"http://smartfeeds.belboon.com/SmartFeedServices.php?wsdl");
$oSmartFeed= new SoapClient(WSDL_SERVER);
$oSessionHash= $oSmartFeed->login('YourLoginName', 'YourPassword');
if(!$oSessionHash->HasError){
    $sSessionHash= $oSessionHash->Records['sessionHash'];
    $aConfig= array('limit'=>5, 'offset'=>2);
$aResult= $oSmartFeed-> getProductData ($sSessionHash, $aConfig);
    var_dump($aResult);
}
  
```

4.3.3.2 getFeedUpdate (SessionHash, FeedId)

Returns the date and time of the last datafeed-update by the advertiser for a requested datafeed.

Request-Parameter

Parameter	Type	Description
sessionhash	String	SessionHash for identification
FeedId	Integer	Feed-/Ad-ID of datafeed for which the last-update date should be returned.

Response-Parameter

Parameter	Type	Description
last_update	Date	Last datafeed-update by the advertiser

Example:

```
<?php
define ("WSDL_SERVER",
"http://smartfeeds.belboon.com/SmartFeedServices.php?wsdl");
$oSmartFeed= new SoapClient(WSDL_SERVER);
$oSessionHash= $oSmartFeed->login('YourLoginName', 'YourPassword');
if(!$oSessionHash->HasError){
    $sSessionHash= $oSessionHash->Records['sessionHash'];
$aResult= $oSmartFeed-> getFeedUpdateDate($sSessionHash, FeedId);
    var_dump($aResult);
}
```

4.3.3.3 searchProducts (SessionHash, Query, [config])

Returns a list (Array) of productdata that match to the search-term and the config-filter.

Request-Parameter

Parameter	Type	Description
sessionhash	String	SessionHash for identification
query	String	Search-term
[config]	Array	Config Array, optional

Config-Array

Key	Type	Default	Description
platforms	Integer	Null	limits the results to data of partnerpro-grams where a part-nership with this ad-platform-ID exist
feeds	Integer[] (Array)	Null	limits results to data-feeds with the pro-vided IDs
offset	Integer	0	gives back search result starting at the offset
limit	Integer	Null	limits results to the provides number of datasets
updated_after	Date	1970-0-0	returns only data, that were updated after the provided date
sort	String[] (Array)	array(„belboon_productnumber“ => „ASC“)	returns sorted data (for product-searches or feed-search) by the given datafield-name ascending or descending (ASC or DESC)
price_min	float	0.00	minimum-price
price_max	float	999999.99	maximum-price
categories	Integer[] (Array)	Null	Filters results to cat-egories with the re-

			requested category-IDs. <i>*not all available products are matched to a belboon-category</i>
with_subcategories	Boolean	True	Delivers also product-results from sub-categories if category-filter is used. Standard: activated/yes (=TRUE).

Response-Parameter

Parameter	Type	Description
feed_id	INT	ID of the productdata-feed
belboon_productnumber	String	belboon product-ID
belboon_programid	String	partnerprogram-ID
productnumber	String	merchant product-number
ean	String	EAN-Code
productname	String	Product-name
manufacturername	String	Manufacturer
brandname	String	Brand
currentprice	String	Current price
oldprice	String	Old price
currency	String	Currency
validfrom	String	Start-date for this offer
validuntil	String	End-date for this offer
deeplinkurl	String	Deeplink product-URL
basketurl	String	URL for putting the product directly into the shopping cart
imagesmallurl	String	URL of "small" product-picture
imagesmallheight	INT	Height of "small" product-picture
imagesmallwidth	INT	Width of "small" product-picture
imagebigurl	String	URL of "big" product-picture
imagebigheighti	INT	Height of "big" product-picture
imagebigwidth	INT	Width of "big" product-picture
productcategory	String	Product-Category of the merchant
belboonproductcategory	String	belboon product-Category
productkeywords	String	Keywords
productdescriptionshort	String	Short product description
productdescriptionlong	String	Long product description

lastupdate	String	Last Update of the productdata (provided by the merchant)
shipping	String	Shipping costs
availability	String	Availability of the product
option1	String	Optional field / additional information
option2	String	Optional field / additional information
option3	String	Optional field / additional information
option4	String	Optional field / additional information
option5	String	Optional field / additional information

Example:

```

<?php
define ("WSDL_SERVER",
"http://smartfeeds.belboon.com/SmartFeedServices.php?wsdl");
$oSmartFeed= new SoapClient(WSDL_SERVER);
$oSessionHash= $oSmartFeed->login('YourLoginName', 'YourPassword');
if(!$oSessionHash->HasError){
    $sSessionHash= $oSessionHash->Records['sessionHash'];
    $aConfig= array('limit'=>5, 'offset'=>2);
    $sSearch= 'ipod';
    $aResult=$oSmartFeed->searchProducts($sSessionHash,$sSearch,$aConfig);
    var_dump($aResult);
}
  
```

4.3.3.4 getProductById (SessionHash,productId)

Returns the data of the product with the requested belboon-productId.

Request-Parameter

Parameter	Type	Description
sessionhash	String	SessionHash for identification
ProductId	String	belboon-productId

Response-Parameter

Parameter	Type	Description
feed_id	INT	ID of the productdata-feed
belboon_productnumber	String	belboon product-ID
belboon_programid	String	partnerprogram-ID
productnumber	String	merchant product-number
ean	String	EAN-Code
productname	String	Product-name
manufacturername	String	Manufacturer
brandname	String	Brand
currentprice	String	Current price
oldprice	String	Old price
currency	String	Currency
validfrom	String	Start-date for this offer
validuntil	String	End-date for this offer
deeplinkurl	String	Deeplink product-URL
basketurl	String	URL for putting the product directly into the shopping cart
imagesmallurl	String	URL of "small" product-picture
imagesmallheight	INT	Height of "small" product-picture
imagesmallwidth	INT	Width of "small" product-picture
imagebigurl	String	URL of "big" product-picture
imagebigheighti	INT	Height of "big" product-picture
imagebigwidth	INT	Width of "big" product-picture
productcategory	String	Product-Category of the merchant
belboonproductcategory	String	belboon product-Category
productkeywords	String	Keywords
productdescriptionshort	String	Short product description
productdescriptionlong	String	Long product description
lastupdate	String	Last Update of the productdata (provided by the merchant)

shipping	String	Shipping costs
availability	String	Availability of the product
option1	String	Optional field / additional information
option2	String	Optional field / additional information
option3	String	Optional field / additional information
option4	String	Optional field / additional information
option5	String	Optional field / additional information

Example:

```
<?php
define ("WSDL_SERVER",
"http://smartfeeds.belboon.com/SmartFeedServices.php?wsdl");
$oSmartFeed= new SoapClient(WSDL_SERVER);
$oSessionHash= $oSmartFeed->login('YourLoginName', 'YourPassword');
if(!$oSessionHash->HasError){
    $sSessionHash= $oSessionHash->Records['sessionHash'];
    $oResult = $oSmartFeed->getProductById($sSessionHash, '1_3_37');
    var_dump($oResult);
}
```

4.3.3.5 searchProductsByEan (SessionHash, EAN, [config])

Returns a list (Array) of datafeeds, that apply to the transferred EAN and the filter config. Request- and Result-Object correspond to those of searchProducts().

Request-Parameter

Parameter	Type	Description
sessionhash	String	SessionHash for identification
ean	String	EAN-Code (not always available in productdata)
[config]	Array	Config Array, optional

Config-Array and **Response-Parameter** analog to 4.3.3.3 searchProducts (SessionHash, Query, [config]).

4.3.3.6 getCategory(\$sSessionHash, \$iCategoryId)

Returns an ID based on a product category as an Array.

Request-Parameter

Parameter	Type	Description
sessionhash	String	SessionHash for identification
id	Integer	Category-ID

Response-Parameter

Parameter	Type	Description
id	Integer	Category-ID
parent_id	Integer	ID of parent-category
name	String	Category-Name

Example:

```
<?php
define ("WSDL_SERVER",
"http://smartfeeds.belboon.com/SmartFeedServices.php?wsdl");
$oSmartFeed= new SoapClient(WSDL_SERVER);
$sSessionHash= $oSmartFeed->login('YourLoginName', 'YourPassword');
if(!$oSessionHash->HasError){
$sSessionHash= $oSessionHash->Records['sessionHash'];
    $oResult= $oSmartFeed->getCategory($sSessionHash, CategoryId);
    var_dump($oResult->Records);
}
```

4.3.3.7 getCategories(\$sSessionHash, \$aConfig)

Returns an Array with product categories that apply to the limitations of the Config array.

Request-Parameter

Parameter	Type	Description
sessionhash	String	SessionHash for identification
[config]	Array	Config Array, optional

Config-Array

Key	Type	Default	Description
offset	Integer	0	Delivers results starting at this value
limit	Integer	Null	Limits number of results to this value
parent_id	Integer	Null	Returns only categories with the requested parent_id

Response-Parameter

Parameter	Type	Description
id	Integer	Category-ID
parent_id	Integer	ID of parent-category
name	String	Category-Name

Example:

```
<?php
define ("WSDL_SERVER",
"http://smartfeeds.belboon.com/SmartFeedServices.php?wsdl");
$oSmartFeed= new SoapClient(WSDL_SERVER);
$oSessionHash= $oSmartFeed->login('YourLoginName', 'YourPassword');
if(!$oSessionHash->HasError){
    $sSessionHash= $oSessionHash->Records['sessionHash'];
    $oResult= $oSmartFeed->getCategories($sSessionHash);
    var_dump($oResult->Records);
}
```

4.3.3.8 getCategoryPath(\$sSessionHash, \$iCategoryId)

Returns a list (Array) of categories, that describe the path to the given category.

Request-Parameter

Parameter	Type	Description
sessionhash	String	SessionHash for identification
id	Integer	Category-ID

Response-Parameter

Parameter	Type	Description
id	Integer	Category -ID
name	String	Category-Name

Example:

```
<?php
define ("WSDL_SERVER",
"http://smartfeeds.belboon.com/SmartFeedServices.php?wsdl");
$oSmartFeed= new SoapClient(WSDL_SERVER);
$oSessionHash= $oSmartFeed->login('YourLoginName', 'YourPassword');
if(!$oSessionHash->HasError){
    $sSessionHash=$oSessionHash->Records['sessionHash'];
$oResult= $oSmartFeed->getCategories($sSessionHash);
    foreach ($oResult->Records AS $aRecord) {
$oResultPath= $oSmartFeed->getCategoryPath($sSessionHash,
$aRecord['id']);
        foreach ($oResultPath->Records AS $aElem) {
            echo " > ". $aElem['name'] . " (" . $aElem['id'].")";
        }
    }
}
```

4.3.3.9 logout (sessionHash)

Closes current session.

Request

Parameter	Type	Description
sessionhash	String	SessionHash for identification

Example:

```
<?php
define ("WSDL_SERVER",
"http://smartfeeds.belboon.com/SmartFeedServices.php?wsdl");
$oSmartFeed= new SoapClient(WSDL_SERVER);
$oSessionHash= $oSmartFeed->login('YourLoginName', 'YourPassword');
if(!$oSessionHash->HasError){
    $sSessionHash= $oSessionHash->Records['sessionHash'];
    ...
    $oSmartFeed->logout($sSessionHash);
}
```

5 Change-log

Changes done from V.1.3 to V.1.4

- Extension of the "getFeeds"-function's Response-Parameter. Parameters "product_count", "last_update" and "program_name" added

Changes done from V.1.2 to V.1.3

- Function „getProductById“ added

Changes done from V.1.1 to V.1.2

- Function „getProductData“-Response-Parameter: „belboon_programmid“ corrected to „belboon_programid“
- Function „getProductData“-Config-Array: {categories} and {with_categories} added
- Functions „searchProducts“-Config-Array: Keys {price_min}, {price_max}, {categories} and {with_categories} added
- Function „searchProductsByEan“-Config-Array: Keys {price_min}, {price_max}, {categories} and {with_categories} added
- Function „searchProducts“- Response.Parameter: „belboon_programmid“ corrected to „belboon_programid“
- Function „getFeedUpdate“ added
- Function „getCategory“ added
- Function „getCategories“ added
- Function „getCategoryPath“ added

Changes done from V.1.0 to V.1.1

- Results-Object: „NumRecordsTotal“ added to the Response-Parameter
- Function „searchProductsByEan“ added

