



CONTINUE
S o f t w a r e G m b H

Real-time price lists

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1 Introduction

The real-time price list service is used to create real-time price lists. Price lists can be individually configured using various filters and mapping.

A link is created via which the price list can be accessed. The link can also be created without the service.

The BaseURL is the price list domain of the selected shop. Shop is the abbreviation of the selected shop. These parameters are set automatically, unless the download link is created without the service.

Name des Händlers	URL	Shop
Api Computerhandels GmbH	https://pricelist.api.de	api
Api Österreich GmbH	https://pricelist.api-oesterreich.at	apiat
Api B.V.	https://pricelist.apibv.nl	apibv

2 Application

For processing in the price list tool, it is necessary to specify all data that is marked as mandatory parameters.

The following example downloads the price list and saves it under the file name pricelist.csv. The words marked in red must be replaced with the desired information.

```
https://BaseURL/pricelist/?cid=CustomerNumber&shop=Shop  
&attachmentFilename=pricelist.csv
```

2.1 Automated price list download

For the automated price list download, the program cURL (available for Windows and Unix/Linux) must be used.

The following example downloads the price list and saves it under the file name pricelist.csv. [password] and [customer number] must be replaced with the login data.

```
curl -o pricelist.csv -u  
[CustomerNumber]:[password]https://BaseURL/pricelist/?cid=  
CustomerFile&shop=Shop&opt[]=SPEAKING_AVAILABILITY_TAGS
```

The price lists can be accessed a maximum of 3 times within 15 minutes. For a detailed explanation, click [here](#) to see the cURL documentation.

2.2 First Tab

The first tab determines the output format of the price list.

The screenshot shows a web interface for configuring a real-time price list service. The main title is 'Echtzeit - Preislisten Service'. On the left, there is a sidebar with a 'Dokumentation' button. The main area contains several configuration fields:

- Kundennummer:** Input field for the customer number.
- Dateiname:** Input field for the file name.
- Preset:** Dropdown menu with 'Full' selected.
- Format:** Dropdown menu with 'csv' selected.
- Kodierung:** Dropdown menu with 'utf-8' selected.
- Speicher Format:** Dropdown menu with 'text/plain' selected.
- Delimiter:** Input field containing a semicolon (;).
- Dezimal Separator:** Input field containing a period (.).
- Limit:** Input field with the text 'Ihr Limit für die Preisliste' and a clear button.
- Listentyp:** Dropdown menu with 'FULL' selected.

A 'Speichern & Weiter' button is located at the bottom right of the form. The footer of the page contains the copyright notice: '© 2014 - 2022 CONTINUE Software GmbH'.

2.2.1 Customer number

The relevant customer number must be entered here.

2.2.2 File name

The desired file name is set here. Only if a file name is set will the price list be offered for download.

2.2.3 Preset

A preset determines which product data is listed in the list.

With addMap, additional map parameters can be added; it is located under mapping.

<https://BaseURL/pricelist/?cid=CustomerNumber&shop=Shop&preset=stockPrice&addMap=title>

Preset	Description	Content
stockPrice	Generates the price list exclusively with prices, stocks and availability of the items	map = sku; stock; currency; price; availability; external-Stock

Preset	Description	Content
full	Standart pricelist	map = sku; stock; currency; price; title; manufacturer; msku; ean; egId; lwg1; availability; weight; width; depth; height; externalStock
incremental	For incremental price lists	map = sku; stock; currency; price; title; manufacturer; msku; ean; egId; lwg1; availability; weight; width; depth; height; externalStock; isEol
fuman	Default Fuman format	map = sku:*ARTNR; title:*BENENNUNG; availability:*VERFUEGBARKEIT; wg1:*WG1; wg2:*WG2; wg3:*WG3; lwg1:*LWG1; lwg2:*LWG2; lwg3:*LWG3; description:*BESCHREIBUNG; price:*APREIS; msku:*HERST ARTNR; weight:*GEWICHT; width:*BREITE; height:*HOEHE; depth:*LAENGE; ean:*EAN, decSeparator = ".", opt[] = APPEND_EOF, charset = iso-8859-1

2.2.4 Format

The following formats are available:

Format	Beschreibung
csv	Displays the price list in csv format.
xml	Displays the price list in xml format.
html	Displays the price list in html format.
bmecat	Displays the price list in bmecat format.
pricat	Displays the price list in pricat format.

2.2.5 Encoding

UTF-8 and ISO-8859-1 are available for encoding. UTF-8 is the standard encoding.

2.2.6 Storage format

Choose between the storage formats text/plain, text/csv and text/xml.

2.2.7 Delimiter

Here you can select the delimiter with which the individual data in the price list should be separated. The default here is the semicolon (;) (it is recommended to select different characters for the delimiter and decimal separator, otherwise problems may arise).

2.2.8 Decimal Separator

Here you can select the decimal separator, which is the character that should be used to separate the decimal numbers (when selecting the csv format, a comma (,) and a semicolon (;) as a delimiter are recommended). The default here is the dot (.) (it is recommended to select different characters for the decimal separator and delimiter, otherwise problems may arise).

2.2.9 Limit

The limit can be used to limit the number of products displayed (not only a specific section can be displayed, but the count always starts from the first product in the price list). The default value is NONE. Consequently, a complete price list is always created unless a limit is set (for SINGLE_SKU it is not necessary to set 1).

2.2.10 List type

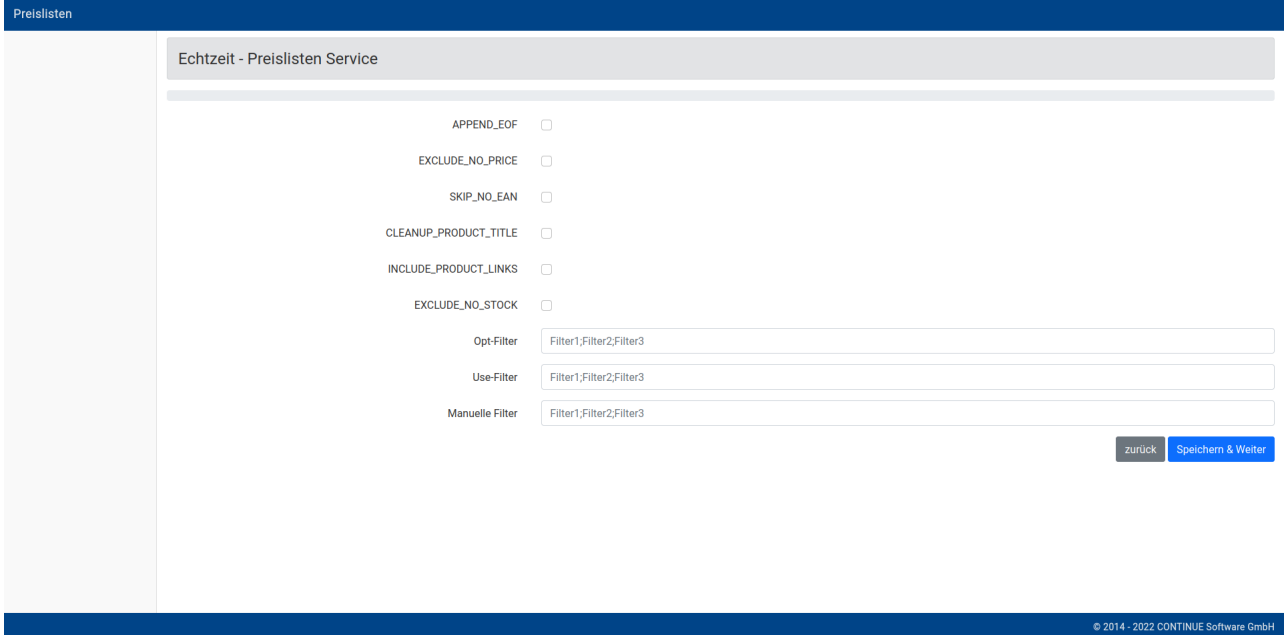
Under List Type you select what type the price list should have. You can choose between four different types. The default value is **FULL**.

<https://BaseURL/pricelist/?cid=CustomerNumber&shop=Shop&action=FULL>

List type	Description
FULL	A complete price list will be downloaded.
SINGLE_SKU	Only one product is displayed. To do this, the item number (SKU) of the product must be specified.
INCREMENTAL	Downloading the changes to the product price list since the last query.
CONFIRM_INCREMENTAL	Setting the last incremental price list as the basis for the next price list.

2.3 Second Tab

In the second tab, various filters can be selected. Filters can be used to filter or manipulate price lists in advance. This way, unwanted items can be excluded and explicitly desired items can be added.



2.3.1 Options Filter

With the help of options, various filters can be added that manipulate the content and structure of the price list. These filters can be added by selecting them or by entering them in the corresponding field (“Opt filter”).

If more than one filter is used, they must be separated with a semicolon.

With `&opt[]=Filter`, these can also be added directly to the download link. If more than one filter is used, it must be appended to the download link with another `&opt[]=Filter`.

```
https://BaseURL/pricelist/?cid=CustomerNumber&shop=Shop&opt[]=SKIP_NO_EAN&opt[]=APPEND_EOF
```

Filter	&opt[]=	Description
Add Blocked Stock Filter	ADD_BLOCKED_STOCK	Adds blocked items for the customer
AddCancelDate Filter	ADD_CANCEL_DATE	Adds the expiration date for expiring items, to do this, cancelDate must be set in the mapping

Filter	&opt[]=	Description
Add Expected Stock Filter	ADD_EXPECTED_STOCK	Inserts the next goods receipt date if the item is in transit, for this nextExpectedStockDate must be set in mapping
Article Type Filter	ADD_REFURBISHED	Sets the articleType field to REF if it is a refurbished article
Availability Filter	SPEAKING_AVAILABILITY_TAGS	The availability is displayed in readable text, for this purpose must be set in mapping availability
Order item Exclusion filter	EXCLUDE_NO_PRICE	Excludes items that do not have a price specified (order items)
Cleanup Title Filter	CLEANUP_PRODUCT_TITLE	Beautifies the ProductTitle (removes control characters, double spaces, etc.)
Description Filter_Prod_Description	ADD_PROD_DESCRIPTION	Adds the item description to the price list, for this must be set in mapping description
Description Filter_ProdExInfo_InfoString	ADD_DESCRIPTION	Adds the ProdExInfo string to the price list as a description, for this, description must be set in mapping
Empty Ean Filter	SKIP_NO_EAN	Excludes all items that have no or an incorrect EAN
Energy Label Filter	EXCLUDE_NO_ENERGY_LABEL	Excludes items from the product group "FER", "TFT", "LFD", "LED" that do not have an energy label set
Energy Label Link Filter	ADD_ENERGYLABEL	Inserts the link to the energy labels, for this purpose energyLabelLink must be set in mapping
Exclude Haulier Article Filter	SKIP_HAULIER	Excludes freight items
Exclude No Stock Filter	EXCLUDE_NO_STOCK	Excludes items that are out of stock (order items)
Include Api Product Links Filter	INCLUDE_PRODUCT_LINKS	Adds the web link entered for Api
The default for the three opts excludes all relevant articles		
Opt1: Price On Request Product Filter	INCLUDE_PRICE_ON_REQUEST	Adds products with "Price on request" with price = 99,999.99 to the list

Filter	&opt[]=	Description
Opt2: Price On Request Product Filter	INCLUDE_PRICE_ON_REQUEST_ZERO	The items with price 0.00 Euro are issued
Opt3: Price On Request Product Filter	INCLUDE_PRICE_ON_REQUEST_ONLY	Only adds products with "Price on request" to the list
set On End Of Stream AppendRow	APPEND_EOF	Extends the list at the end with a pseudo-article with the article number 999999; is only appended to CSV files
Shipping Type Filter	SHOW_SHIPPING_TYPE	Shows which shipping method is used, for this purpose typeOfShipping must be set in Mapping
Shop Link Filter	ADD_SHOPLINK	Adds a link to the product in the shop, for this shopLink must be set in mapping

2.3.2 Use Filter

These filters are added directly to the download link by entering them in the corresponding field ("Use-Filter") or with &useFilter=Filter. If more than one filter is used, the next filters are appended to the previous filter with a semicolon.

<https://BaseURL/pricelist/?cid=CustomerNumber&shop=Shop&useFilter=RemoveDoubleMSku;ChangeTitleToEN>

Filter	&useFilter= (alles zusammen schreiben)	Description
Add Copyright Filter	AddCopyright	Adds a copyright to the price
Change Title To EN	ChangeTitleToEN	Translate the title into English
Change Title To FR	ChangeTitleToFR	Translate the title into French
Change Wg To NL	ChangeWgToNL	Translate the groups of goods and the title into Dutch
MwSt Filter	MwstFilter	Adds VAT
Remove Double Manufacturer Sku Filter	RemoveDoubleMsku	Excludes items with duplicate MSKU
Remove Pipe Filter	RemovePipeFilter	Removes the pipes (" ") in the titles of the articles

Filter	&useFilter= (alles zusammen schreiben)	Description
Turn Availability True False Filter	AvailabilityTrueFalse	Availability is set to 1 or 0
EAN Filter		
Fill Ean Filter	FillEan13	Fills the Ean at the front with zeros until it is 13 characters long
Remove Double Ean Filter	RemoveDoubleEan	Excludes items with double EAN, the top item is displayed
Remove Ean 14 Filter	RemoveEan14	Excludes items with EANs that are 14 characters long

2.3.3 Manual filters

These filters are added by entering them in the corresponding field ("Manual filters") or simply appending them directly to the download link with a (&) sign.

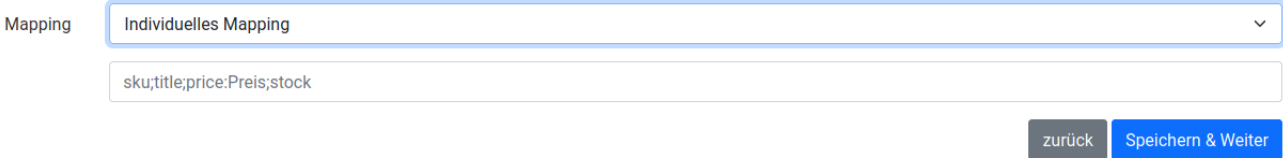
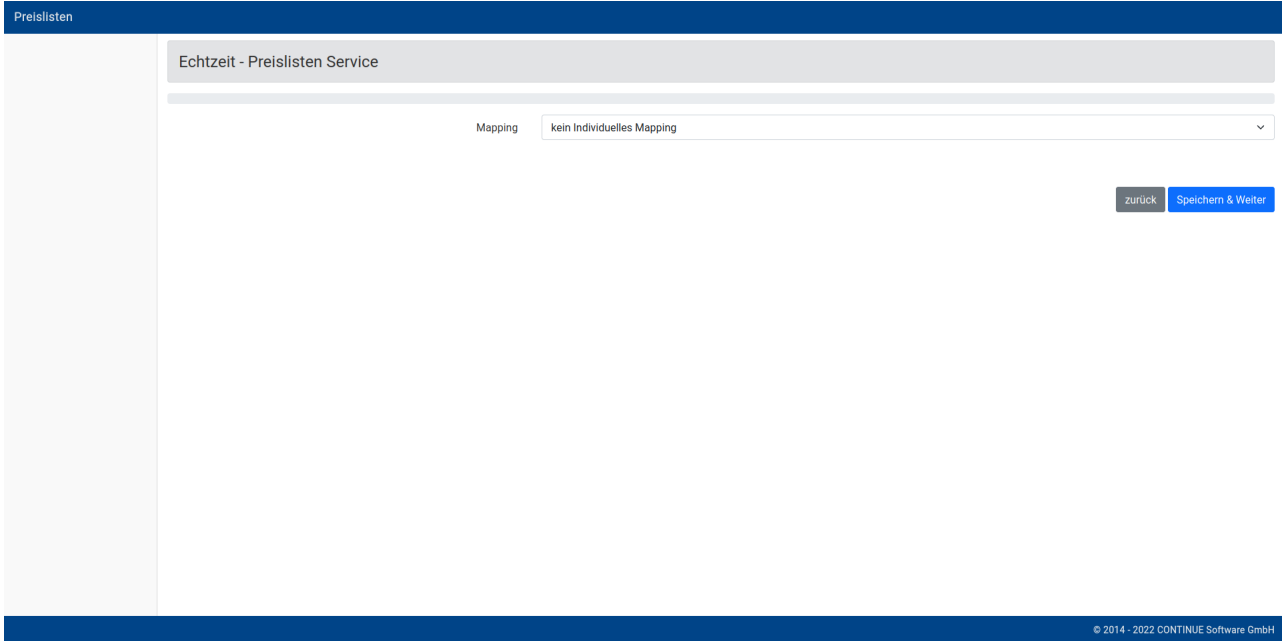
<https://BaseURL/pricelist/?cid=CustomerNumber&shop=Shop&weightMultiplier=10>

Filter	&Filter Examples	Description
ProjectArticleFilter	&projectTermMinPurchaseQty=5	If it is a project item, the minimum purchase for project conditions is set here. If it is not a project item, the column is empty
ReplaceUmlautsFilter	&replaceUmlauts=nameDerSpalte	Columns can be specified here in which umlauts and the 'ß' are replaced
ResultLimitFilter	&limit=50	Limit of displayed CSV entries
WeightMultiplierFilter	&weightMultiplier=10	Multiplies the weight by a certain value
MeasurementMultiplierFilter	&measurementMultiplier=1000	Multiplies the value of height, width and depth by the given value

2.4 Third Tab

When mapping, the parameters for the individual mapping can be added. To add your own map parameters, select “Individual mapping” under “Mapping”. If no preset has been selected, a field will open and the parameters will be entered in this field. If a preset has been selected, “Individual mapping” must also be selected and the parameters must be entered in the “Add map” field. If several parameters are added, they must be separated with a semicolon. If the parameters should have different names, they can be renamed with a colon ":"after the parameter.

Mapping without preset:



Mapping without preset:

Preislisten

Echtzeit - Preislisten Service

Mapping: kein Individuelles Mapping

Add Map: price:description:Beschreibung

Im folgenden werden die Map Parameter aufgelistet, wenn Preset anpassen ausgewählt ist können die Namen verändert werden

sku: Alternative Bezeichnung

stock: Alternative Bezeichnung

currency: Alternative Bezeichnung

price: Alternative Bezeichnung

title: Alternative Bezeichnung

manufacturer: Alternative Bezeichnung

m sku: Alternative Bezeichnung

ean: Alternative Bezeichnung

egId: Alternative Bezeichnung

hwg1: Alternative Bezeichnung

availability: Alternative Bezeichnung

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Add Map: description:Beschreibung

<https://BaseURL/pricelist/?cid=CustomerNumber&shop=Shop&map=sku;title;price:Preis;stock>

Filter	Description
articleType	For refurbished items, the item is marked with REF and is only filled if the options filter ADD_REFURBISHED is set.
availability	Availability, B: In stock, K: Not in stock, W: Goods in transit, F: Goods received
cancelDate	Cancellation date of the discontinued item
copyrightCharge	copyright fee
currency	Currency of the prices. Unless otherwise stated in EUR (Euro)
deliveryTime	delivery time
depht	Depht
description	Product description, is only filled if the Options filter ADD_PROD_DESCRIPTION or ADD_DESCRIPTION is added
dummy	Empty column
ean	EAN (European Article Number)
egId	Customs tariff number (EC goods number)
energyLabelLink	Link to the energy label in the Capitol. Only filled if option filter ADD_ENERGYLABELLINK is set

Filter	Description
externalId	External ID can be assigned, e.g. to set your own customer number in the price list
externalStock	external storage inventory
glnApi	Api Global Supplier Number
hasEnergyLabel	Shows whether the article has an energy label. Returns TRUE if an energy label is stored
height	height
imageLinks	product images
isBulkGood	Freight delivery, indicates that the item must be delivered by a freight company
isEol	Indicates whether the article has been removed
itemGroup	product group
lwg1	API defined product group (written out)
lwg2	Manufacturer (written out)
manufacturer	product manufacturers
maxDeliveryTime	maximum delivery time
maxOrderQty	maximum order quantities
minDeliveryTime	minimum delivery time
minOrderQty	minimum order quantities
msku	manufacturer product number
nextExpectedStockAmount	If AddExpectedStockFilter is set, the quantity of the next expected delivery for items with status W is entered here
nextExpectedStockDate	If AddExpectedStockFilter is set, the date of the next expected delivery for items with status W is entered here
optBonus	customer-specific marketing content
price	product price
priceOnRequest	Price on request
priceWithCopyright	Price with copyright fee
productCat	Product category, is used when the product groups are not sufficient
productUrl1	ProductUrl1
productUrl2	ProductUrl2
productUrl3	ProductUrl3
projectTermMinPurchaseQty	minimum purchase for project conditions
returnCost	return costs
shippingCost	shipping costs
shopLink	Link to the product (with sku) in the shop. Only filled if option filter ADD_SHOPLINK is set
sk2	Special indicator 2, if there is a \ here, it is an order item
sku	article number

Filter	Description
status	Item status 1 =New, 4 =Refurbished, 10 =Bulk
stock	inventory
stockAggregate	Summe aus Stock und externalStock
taxCode	Tax identifier, is only filled if the filter VATFilter is added, 0=not taxable, 1=fully taxable, 2=reduced taxable
termin	Estimated delivery date for the product
title	article name (short text)
topPrice	TopPreis (Fixpreis)
typeOfShipping	Shipping type indicates whether the item is pallet goods or bulky goods. Only filled if option filter SHOW_SHIPPING_TYPE is set
volumetricWeight	Volume weight (for air freight). Calculated from the dimensions
weeenr	Manufacturer number that is assigned to electrical devices after registration with the Ear Foundation
weight	weight
wg1	Api defined product group (abbreviation)
wg2	manufacturer (abbreviation)
width	width

2.5 GET-Parameters

The download link is put together from the various GET parameters. In order for the download link to be loaded successfully, the mandatory parameters must be set. These GET parameters are required if the download link is put together manually.

Fields marked with * are mandatory

Parameters (the parameters are each appended with an &)	Example	Description
shop*	&shop=API	API APIBV APIAT Which shop should be called
cid*	&cid=6542	customer number
action	&action=FULL	list type
addMap	&addMap=currency &addMap=price:Preis;weeenr:WEEE	Extend a preset with the following fields, after which: the name of the header for the field can be changed

Fields marked with * are mandatory

Parameters (the parameters are each appended with an &)	Example	Description
attachmentFilename	&attachmentFilename=Dateiname.csv	If set, the price list will be offered for download under the specified file name
charset	&charset=utf-8	utf-8 iso-8859-1 encoding
constText[feldName] = Fixwert	&constText[MwSt]=19%	To set fields that should appear with a constant value in all rows of the price list, this constant value must be set to "Fixed value"
decSeparator	&decSeparator=,	decimal separator for numbers
delimiter	&delimiter=.	Separator for the individual data of the price list
excludeMap[feldName]	&excludeMap[wg2]=ACE;ASU	Filtering according to the specified values, all articles that match will not be displayed
format	&format=csv	csv xml html bmeat pricat output format
includeMap[feldName]	&includeMap[wg2]=ACE;ASU	Filtering according to the specified values, all articles that match will be displayed
map	&map=sku;title;price	Set your own output format, here the parameters for the individual mapping are added
maxWeight	&maxWeight=5	Excludes all items over the specified weight
minWeight	&minWeight=1	Excludes all items under the specified weight
opt[]	&opt[]=EXCLUDE_NO_PRICE	Options Filter
preset	&preset=stockPrice	Die Parameter werden vorbesetzt

Fields marked with * are mandatory

Parameters (the parameters are each appended with an &)	Example	Description
singleSku	&singleSku=1077	Specify the article number, action must be set to SINGLESKU. Only one article will be displayed
useFilter	&useFilter= ChangeTitleTo-EN	Adds Use Filter
xmlDocumentElementName	&xmlDocumentElement Name=apiartikel	Defines the name of the XML document name; Only if Format=xml or bme-cat
xmlItemElementName	&xmlItemElement Name=artikel	Defines the name of the root XML element; only if Format=xml or Bme-cat