



**cludes**  
all-in-one ecommerce

## **cludes API**

**Version 1.0** (2017-01-01)

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Overview of the possible API resources and the supported formats and request types.

Ressource	GET	PUT	POST	DELETE
products				
variants				
categories				
customers				
shoppingcart				

## Global API parameters

Parameter	Value	Description
i	string	Instance-name to access to a certain instance. Is also determined by the accessed url
t	int UNIX-Timestamp	Unix Timestamp of current time to make md5 signature
s	string md5	md5 hex of resource path, timestamp and secret api key
o	char	possible values are: p = plain, h = html, c = csv, x = xml, j = json
limit	0-100	from-to - Can be used to overwrite the default limit of 1000. Can also be used to display a range of result (from 200-1000 will get 800 sets)
l	char(2)	Language ISO Code for getting products, categories etc. in another language. possible values are FR, EN, ES, IT, DE
ses	string	external session string. used to create an internal api session to access resources like shoppingcart or customers. can also be used to display different price groups for articles.

acc_s	string md5	md5 hex of timestamp (UNIX-Timestamp above), customer E-Mail and customer password is used to authorize a session for customer access.
filter	string	base64 encoded json string with filter options. The structure is always the same but the possible fields differ from resource to resource

## General API Access

You can access every resource of the api below the entry point, which will always be the url to your cludes system like <http://example.cludes.com>

To access the API you need to tell the interface number. In this documentation the API base url will be: <http://example.cludes.com/api/371>

## Generating API Signature

The API signature used to authenticate your client is build from the following string:

```
md5(<ResourceName><UNIX-Timestamp><SecretKey>);
```

Example for generating signature for

resource = products/1234, timestamp = 1418829453, Secret Key = ad9a8shdaia8sd7a

```
md5("products/12341418829453ad9a8shdaia8sd7a9");
```

## Generating Filter Base64 String

Some resources offer a few filter fields with which you can specify the data you want to receive.

The structure of the filter object is always the same, for a list of supported filter fields see the list in each resource. If there is no list you can assume the resource doesn't support any filters.

There are two possible structures for a json filter object. An object can either contain a single hash structure or an array of hash structures which can be connected.

A hash structure can have the following options/parameters:

“o” = operator which is used on the value

“v” = value which is filtered

“c” = connector which is used to connect the different values

“mc” = master connector which is used to connect the value groups

“g” = group number to define the value group

“f” = fieldname (only used in array structure of hashes)

The following operators can be used to filter the values (the fallback operator is “=” if none is specified):

>, <, >=, <=, =, !=, IN, NOT IN, LIKE

Some options offer the possibility to define more than one value which are separated by a pipe (!). The values get splitted and used in the given order. For example “o”:“=|IN|!=”,

“v:”state|list,of,states|no state”. If only one operator is given but multiple values the operator will be used on all of the values.

When using the “IN” operator, the given values must be quoted if they’re alphanumeric. For example “v:”state1’,’state2’,’state3”.

When using the “LIKE” operator the given value can have wildcards as “%”. For example if you want to filter all products which begin with an A the filters looks the following:

“o:”LIKE”,”v:”A%”.

If you want everything which contains “name” it looks like “o:”LIKE”,”v:”%name%”.

The generated json filter object needs to be base64 encoded and uri escaped and get appended to the request string.

### Here are a few examples for the usage of different filter types:

Case: We want to get a list of orders which have been ordered after 2014-11-01 and which are in a specific state.

Solution: We’ll build a simple hash structure with two filter fields.

Example:

```
{
  "ods_datum_bestellung": { "o": ">=", "v": "2014-11-01" },
  "ods_stand": { "o": "=", "v": "bezahlt" }
}
```

Case: We want to get a list of orders which have been ordered after 2014-11-01 and before the 2015-01-01 which are in different states.

Solution: We’ll build a hash structure with multiple values and operators.

Example:

```
{
  "ods_datum_bestellung": { "o": ">|=|<=", "v": "2014-11-01|2015-01-01" },
  "ods_stand": { "o": "IN", "v": "bestellt', 'bezahlt' },
}
```

Case: We want to get a list of orders which have been ordered between 2014-11-01 and 2015-01-01 and have specific states or between 2015-05-01 and 2015-06-01 and which are in other specific states.

Solution: We’ll build an array structure of hashes which will be grouped together and connected to each other.

Example:

```
[
  { "f": "ods_datum_bestellung", "g": "1", "mc": "OR", "o": ">|=|<=", "v": "2014-11-01|2015-01-01", "c": "AND" },
  { "f": "ods_stand", "g": "1", "mc": "AND", "o": "IN", "v": "bestellt', 'bezahlt' },
  { "f": "ods_datum_bestellung", "g": "2", "mc": "OR", "o": ">|=|<=", "v": "2015-05-01|2015-06-01", "c": "AND" },
]
```



```
{“f”:“ods_stand”,“g”:“2”,“mc”:“AND”,“o”:“NOT IN”,“v”:“vorbereitet’,storniert””}
]
```

A final uri encoded base64 string of a filter would look the following:

```
Wwp7ImYiOiJvZHNfZGF0dW1fYmVzdGVsbHVuZyIsImciOiIxliwibWMIiOiJPUiIsIm8iOiIl%2BPXw
8%0APSIslNyOiilyMDE0LTExLTaxfDlwMTUtMDEtMDEiLCJljoiqu5EIn0sCnsiZil6lm9kc19zdG
Fu%0AZCIsImciOiIxliwibWMIiOiJBTKQILCJvljoiSU4iLCJ2ljoij2Jlc3RlbGx0JywnYmV6YWVhscCi
%0AfSwKeyJmljoiB2RzX2RhdHVtX2Jlc3RlbGx1bmciLCJnljoiMlslm1jljoiT1liLCJvljoiPj18%0AP
D0iLCJ2ljoimjAxNS0wNS0wMXwyMDE1LTA2LTaxliwiYyYl6lkFORCJ9LAp7ImYiOiJvZHNfc3Rh
%0AbmQiLCJnljoiMlslm1jljoiqu5EliwibyI6lk5PVCBJTilslNyOiIndm9yYmV6ZWl0ZXQnLCdz%
0AdG9ybmlcnQnIn0KXQo%3D%0A
```

## Products

This resource can be used to get a list of products or get a single product with all it's references.

Function note:

If a price group is assigned in the interface configuration in cludes the shown price is the one of this group if it's greater 0.

List of fields and description

<Feldliste mit Beschreibung>

### GET (List of products)

Supports filter: Yes

Parameters

Parameter	value	Description
detail_lvl	0, 1, 2	gives a different level of information.

**Note:** See the **Generating Filter Base64 String** Section for information about building a filter string.

**Possible filter fields:**

field	value description	info
pdt_hersteller	string	name of manufacturer
pdt_virt_ref	int	article number of virtual reference

### Example Request/Response:

Request:

GET

[http://example.cludes.com/api/371/products?t=1418898214&s=e209531096976866705b049be1360fec&detail\\_lvl=1&limit=2](http://example.cludes.com/api/371/products?t=1418898214&s=e209531096976866705b049be1360fec&detail_lvl=1&limit=2)

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : [
    {
      "pdt_short_desc" : "",
      "pdt_marke" : "Hello Kitty",
      "pdt_artikel_id" : "A",
      "pdt_lager_end" : "0",
      "pdt_lager" : "0",
      "pdt_name" : "Scott 80's Goggle Works Tear Off Abreisvisier 10er Pack",
      "pdt_preis_vk" : "85.4200",
      "key" : "pdt",
      "pdt_picture_name" : "",
      "pdt" : "20",
      "pdt_hersteller" : "SANRIO CO. LTD.",
      "pdt_lager_final" : 0,
      "pdt_virt_ref" : null
    },
    {
      "pdt_short_desc" : "",
      "pdt_marke" : "Hello Kitty",
      "pdt_artikel_id" : "B",
      "pdt_lager_end" : "0",
      "pdt_lager" : "0",
      "pdt_name" : "Armband mit pinken Steinchen",
```

```

    "pdt_preis_vk" : "159.5000",
    "key" : "pdt",
    "pdt_picture_name" : "",
    "pdt" : "22",
    "pdt_hersteller" : "SANRIO CO. LTD.",
    "pdt_lager_final" : 0,
    "pdt_virt_ref" : null
  }
]
}

```

## GET (single product)

Supports filter: No

Parameters

Parameter	value	Description
detail_lvl	0, 1, 2	gives a different level of information.
refs	bvskilpa	gives the specified reference types. every letter stands for a reference type. the following list describes them: b = referenced bundles v = referenced variants s = referenced interfaces k = referenced categories i = referenced images p = referenced price groups l = referenced distributors a = referenced attributes

### Example Request/Reponse:

Request:

GET

[http://example.cludes.com/api/371/products/100078978?t=1418828984&s=1e3c80bcd830d3feb4117774ae12987&detail\\_lvl=1&refs=iv](http://example.cludes.com/api/371/products/100078978?t=1418828984&s=1e3c80bcd830d3feb4117774ae12987&detail_lvl=1&refs=iv)

Reponse:

```
{
```

```
"Message" : "",
"Status" : "success",
"data" : {
  "pdt_short_desc" : "<p>\tIntensive Creme-Maske für die müde abgesspannte Haut - für jeden
Hauttyp</p>",
  "pdt_marke" : "Deynique",
  "pdt_artikel_id" : "DEY252b",
  "pdt_lager_end" : "0",
  "pdt_lager" : "0",
  "pdt_name" : "<strong>Anti Stress Refire Maske</strong>",
  "pdt_preis_vk" : "15.0000",
  "key" : "pdt",
  "pdt_picture_name" : "dtabrvloe",
  "references" : {
    "pdt_images" : [
      {
        "bil_name" : "udpjkkxgs",
        "bil_url" : "http://brain.cludes.com//bilder/or_udpjkkxgs.jpg",
        "bil_d_ext" : "jpg",
        "bil" : "9187"
      },
      {
        "bil_name" : "dtabrvloe",
        "bil_url" : "http://brain.cludes.com//bilder/or_dtabrvloe.jpg",
        "bil_d_ext" : "jpg",
        "bil" : "9186"
      }
    ],
    "pdt_variants" : [
      {
        "pdt_artikel_id" : "DEY683",
        "pdt_lager_end" : "0",
        "pdt_lager" : "0",
        "pdt_name" : "Groesse: preisgünstige Großpackung",
        "pdt_preis_vk" : "16.50",
        "pdt" : "100078979",
        "pdt_lager_final" : "0"
      },
      {
        "pdt_artikel_id" : "DEY252-50",
        "pdt_lager_end" : "0",
        "pdt_lager" : "0",
        "pdt_name" : "Groesse: Standardgröße",
```

```

        "pdt_preis_vk" : "18.0000",
        "pdt" : "100078980",
        "pdt_lager_final" : "0"
    }
]
},
"pdt" : "100078978",
"pdt_hersteller" : "Deynique",
"pdt_web_img_path" : "http://brain.cludes.com//bilder/or_dtabrvloe.jpg",
"pdt_lager_final" : 0,
"pdt_virt_ref" : null
}
}

```

## POST (create new product/s)

This resource is used to create one or more articles at a time.

### Parameter

Parameter	value	Description
force	0/1	0 = pdt_artikel_id has to be unique for each product. 1 = article will be created even if one with the same pdt_artikel_id already exists

### Possible field list

field	value	description
pdt	int	primary key of product.
pdt_name*	varchar(250)	name of product
pdt_desc	text	description
pdt_short_desc	varchar(400)	short description
pdt_hersteller	varchar(100)	manufacturer name
pdt_marke	varchar(100)	brand name
pdt_artikel_id*	varchar(50)	article-id of product
pdt_ean	int	ean of product

pdt_barcode	varchar(30)	other barcode format than ean8/13 for article
pdt_sonderangebot	Y/N	special offer
pdt_preis_vk	float	selling price
pdt_frei1	varchar(150)	free field
pdt_frei2	varchar(150)	free field
pdt_frei3	varchar(150)	free field
pdt_frei4	varchar(150)	free field
pdt_frei5	varchar(150)	free field
pdt_frei6	varchar(150)	free field
pdt_frei7	varchar(150)	free field
pdt_frei8	varchar(150)	free field
pdt_frei9	varchar(150)	free field
pdt_frei10	varchar(150)	free field
pdt_ueberschrift	varchar(80)	alternative article name for ebay
pdt_tax	float	tax percent of article
pdt_versandkosten	float	shipping costs of article
pdt_gewicht	float	weight of article with packing
pdt_search_terms	text	amazon search terms
pdt_bullet_points	text	amazon bullet points
pdt_pro_gewicht	float	article weight only
pdt_pro_gewicht_einheit	unknown,'g','kg','l','ml','km', 'mm','cm','m','qm','stk','kapsel'	unit of article weight value
pdt_amazon_asin	varchar(10)	amazon ASIN
pdt_preis_vk_alt	float	old selling price
pdt_vsize_w	float	article width
pdt_vsize_h	float	article height
pdt_vsize_d	float	article depth
pdt_inv_status	OK','NOK','undef'	inventory status of article
pdt_serioes	Y/N	article was checked
pdt_bundle	Y/N	article is bundle
pdt_auto_mod	Y/N	article gets automated parent data
pdt_q_ref	varchar(50)	source unique number/string of article in external plattform
pdt_virt_ref	int	virtual reference pdt of article

pd_t_lieferbar_am	datetime	article is available again from date
pd_t_lieferstatus	ausverkauft, offline, lieferbar	article available, offline or sold
pd_t_bemerkung	text	article user defined text
pd_t_seo_name	varchar(100)	
pd_t_seo_desc	varchar(255)	
pd_t_lager	int	quantity of article in main in stock
pd_t_categories	json array	json array of category numbers
pd_t_images	json array	json array hash of image urls and image attributes
pd_t_interfaces	json array	json array hash of interface associations

\* information is required!

#### Function Notes:

If a price group is assigned in the api interface configuration in cludes the given price will automatically be added into that price group rather than being added as normal price.

#### Reference Description

The following reference examples contain all the fields possible to give in this reference. The fields marked with red stars (\*) are required to add/update reference data. Fields marked with blue stars (\*) are ident fields. One of those fields is required to identify the reference.

#### pd\_t\_categories:

```
["421", "417"]
```

#### pd\_t\_images:

```
[{"url*": "http://www.cludes.de/example1.png", "main": "1", "alias": "nice-article-image"}, {"url*": "http://www.cludes.de/example2.png", "main": "0", "alias": "also-a-nice-article-image"}]
```

#### pd\_t\_interfaces:

```
[{"sst*": "363", "status*": "neu"}, {"sst*": "307", "status*": "deleted"}]
```

#### pd\_t\_suppliers:

```
[{"pli_lie_name*": "Main-supplier 1", "pli_pdt_name": "Der schwarze Kuli", "pli_eur_preis_ek": "39.95", "pli_haupt": "Y", "pli_manu_artid": "supplier-id-1", "pli_ve": "1", "pli_manu_ean": "456768797", "pli_manu_bestand": "10", "pli_other_preis_ek": "34.32", "pli_kurs": "1.16", "pli_other_iso": "USD"}, {"pli_lie*": "35", "pli_pdt_name": "Kugelschreiber", "pli_eur_preis_ek": "42.95"}]
```

pdt\_pricegroups:

```
[{"pgr_gru_name*": "Mitarbeiter", "pgr_preis*": "43.94"}, {"pgr_gru*": "6", "pgr_preis*": "48.95"}]
```

### Example Request/Response:

*Info:* You can also send article data as array. just put the following data structure in an array list and post them to the products endpoint, the api will create an article for each valid entry.

Request:

POST

<http://example.cludes.com/api/371/products?t=1421418615&s=0b84c117017b7c5c3b523a9f18f9b2d5>

```
{
  "pdt_preis_vk_alt" : "55.95",
  "pdt_ean" : "4053929803500",
  "pdt_preis_vk" : "69.99",
  "pdt_hersteller" : "Da Vinci",
  "pdt_frei1" : "test frei 1",
  "pdt_short_desc" : "<p>Spanischer Designer für stilvolle Eleganz!</p>",
  "pdt_pro_gewicht" : "50.0000",
  "pdt_pro_gewicht_einheit": "g",
  "pdt_lager": "57",
  "pdt_sonderangebot" : "Y",
  "pdt_marke" : "Da Vincis Beste",
  "pdt_artikel_id" : "DA-VI-1-123",
  "pdt_tax" : "19.00",
  "pdt_name" : "\"Black Beauty\" Kugelschreiber schwarz",
  "pdt_desc" : "<p>
```

Sehr schöner Metallkugelschreiber mit hochglänzendem Metallbeschlägen. Das kompakte, klassische Design lässt viel Raum für Ihre Werbung. Sie können wählen zwischen preisgünstigem Siebdruck oder hochwertiger Lasergravur. Die Lasergravur erfolgt rechts neben dem Clip. Auf Wunsch können wir die Gravur auch einzellig auf den Clip anbringen. Preis bitte anfragen!

```
</p>
```

```
  "pdt_ueberschrift" : "Ueberschriften-Test",
  "pdt_images": [
    {"url": "http://www.example.url/images/testimage.jpg", "main": "1", "alias": "Great image!"},
    {"url": "http://www.example.url/images/testimage2.jpg", "main": "0", "alias": "mh mh ... this is a nice picture!"}
```



```

],
"pdt_categories": ["421","422","417"],
"pdt_interfaces": [
  {"sst": "363", "status": "neu"},
  {"sst": "307", "status": "deleted"},
  {"sst": "306"}
]
}

```

Response:

```

{
  "Message" : "",
  "Status" : "success",
  "data" : [
    {
      "status_code" : "success",
      "pdt" : "100088317",
      "info_message" : "|No status given in interface entry 3, skipped!"
    },
  ]
}

```

## PUT (update existing product/products)

This resource is used to update article information.

Parameter

Parameter	value	Description
mode	1/2	default: 1  1 = reference information like categories, interfaces etc. are added/merged to the existing ones. 2 = reference information like categories, interfaces etc. are replaced with the information given in the request

### Description of mode:

If the used mode to update reference data is set to 1 the given data will be merged with the existing ones. This is only relevant for categories and images.

Suppliers, interface associations and pricegroups will always be merged if possible.

In mode 1 every image entry without a bil number will be added as new image. If a bil number is set for an image entry this one will be deleted and overwritten with the new image.

For categories mode 1 will merge the given categories to the existing ones ignoring the ones already existing. In mode 2 every category association to the product will be deleted before the given ones will be inserted as new associations.

### Possible field list

field	value	description
pdt	int	primary key of product.
pdt_name*	varchar(250)	name of product
pdt_desc	text	description
pdt_short_desc	varchar(400)	short description
pdt_hersteller	varchar(100)	manufacturer name
pdt_marke	varchar(100)	brand name
pdt_artikel_id*	varchar(50)	article-id of product
pdt_ean	int	ean of product
pdt_barcode	varchar(30)	other barcode format than ean8/13 for article
pdt_sonderangebot	Y/N	special offer
pdt_preis_vk	float	selling price
pdt_frei1	varchar(150)	free field
pdt_frei2	varchar(150)	free field
pdt_frei3	varchar(150)	free field
pdt_frei4	varchar(150)	free field
pdt_frei5	varchar(150)	free field
pdt_frei6	varchar(150)	free field
pdt_frei7	varchar(150)	free field
pdt_frei8	varchar(150)	free field
pdt_frei9	varchar(150)	free field
pdt_frei10	varchar(150)	free field
pdt_ueberschrift	varchar(80)	alternative article name for ebay
pdt_tax	float	tax percent of article

pdt_versandkosten	float	shipping costs of article
pdt_gewicht	float	weight of article with packing
pdt_search_terms	text	amazon search terms
pdt_bullet_points	text	amazon bullet points
pdt_pro_gewicht	float	article weight only
pdt_pro_gewicht_einheit	unknown,'g','kg','l','ml','km', 'mm','cm','m','qm','stk','kapsel'	unit of article weight value
pdt_amazon_asin	varchar(10)	amazon ASIN
pdt_preis_vk_alt	float	old selling price
pdt_vsize_w	float	article width
pdt_vsize_h	float	article height
pdt_vsize_d	float	article depth
pdt_inv_status	OK,'NOK','undef'	inventory status of article
pdt_serioes	Y/N	article was checked
pdt_bundle	Y/N	article is bundle
pdt_auto_mod	Y/N	article gets automated parent data
pdt_q_ref	varchar(50)	source unique number/string of article in external plattform
pdt_virt_ref	int	virtual reference pdt of article
pdt_lieferbar_am	datetime	article is available again from date
pdt_lieferstatus	ausverkauft, offline, lieferbar	article available, offline or sold
pdt_bemerkung	text	article user defined text
pdt_seo_name	varchar(100)	
pdt_seo_desc	varchar(255)	
pdt_lager	int	quantity of article in main in stock
pdt_categories	json array	json array of category numbers
pdt_images	json array	json array hash of image urls and image attributes
pdt_interfaces	json array	json array hash of interface associations
pdt_suppliers	json array	json array hash of supplier infos
pdt_pricegroups	json array	json array hash of pricegroup prices

## Reference Description

The following reference examples contain all the fields possible to give in this reference. The fields marked with red stars (\*) are required to add/update reference data. Fields marked with blue stars (\*) are ident fields. One of those fields is required to identify the reference.

pdt\_categories:

```
["421", "417"]
```

pdt\_images:

```
[{"url*": "http://www.cludes.de/example1.png", "main": "1", "alias": "nice-article-image", "bil*": "12345"}, {"url*": "http://www.cludes.de/example2.png", "main": "0", "alias": "also-a-nice-article-image"}]
```

pdt\_interfaces:

```
[{"sst*": "363", "status*": "neu"}, {"sst*": "307", "status*": "deleted"}]
```

pdt\_suppliers:

```
{ "pli_lie_name*": "Main-supplier 1", "pli_pdt_name": "Der schwarze Kuli", "pli_eur_preis_ek": "39.95", "pli_haupt": "Y", "pli_manu_artid": "supplier-id-1", "pli_ve": "1", "pli_manu_ean": "456768797", "pli_manu_bestand": "10", "pli_other_preis_ek": "34.32", "pli_kurs": "1.16", "pli_other_iso": "USD"}, {"pli_lie*": "35", "pli_pdt_name": "Kugelschreiber", "pli_eur_preis_ek": "42.95"}]
```

pdt\_pricegroups:

```
[{"pgr_gru_name*": "Mitarbeiter", "pgr_preis*": "43.94"}, {"pgr_gru*": "6", "pgr_preis*": "48.95"}]
```

## Example Request/Response

Request:

PUT

<http://example.cludes.com/api/371/products?t=1422624532&s=87f05c78270a6da03cdf26f594dc273>

```
[
{
"pdt": "100086272",
"pdt_hersteller": "Hersteller durch API",
"pdt_short_desc": "<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean commodo ligula eget dolor. Aenean m</p>",
"pdt_categories": ["421", "417"],
"pdt_images": [
{"url": "http://www.cludes.de/example_image1.png", "main": "1", "alias": "great image!"}
```

```
]
},
{
  "pdt_artikel_id": "MAG971100",
  "pdt_interfaces": [
    {"sst": "363", "status": "neu"},
    {"sst": "307", "status": "inaktiv"}
  ],
  "pdt_preis_vk_alt": "35.95",
  "pdt_pricegroups": [
    {"pgr_gru_name": "Member", "pgr_preis": "19.99"},
    {"pgr_gru": "6", "pgr_preis": "27"}
  ],
  "pdt_suppliers": [
    {"pli_lie_name": "Cosmetics GmbH", "pli_pdt_name": "powder", "pli_eur_preis_ek": "14.95",
    "pli_haupt": "Y"},
    {"pli_lie": "35", "pli_pdt_name": "great powder", "pli_eur_preis_ek": "17.95"}
  ]
},
{
  "pdt_name": "update with noldent",
  "pdt_short_desc": "description for article with no ident param"
}
]
```

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : [
    {
      "added_categories" : 2,
      "entry" : 1,
      "status_code" : "success",
      "pdt" : "100086272",
      "added_images" : 1
    },
    {
      "entry" : 2,
      "added_suppliers" : 1,
      "status_code" : "success",
```

```
"pdt" : "100086281",
"info_message" : "|supplier entry 1 not found by name Cosmetics GmbH, entry skipped!",
"added_pricegroups" : 2,
"skipped_suppliers" : 1
},
{
  "entry" : 3,
  "error_message" : "None of pdt|pdt_artikel_id in list",
  "status_code" : "error"
}
]
}
```

## DELETE (delete single product)

This simple resource is used to mark articles in cludes as deleted. You can only delete one article at a time. There are no extra parameter or filter for this function.

### Example Request/Response

Request:

DELETE

<http://example.cludes.com/api/371/products/100086272?t=1421768839&s=285e875c3eb677df1e669c72306b6016>

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : {
    "status" : "product 100086272 successfully deleted"
  }
}
```

## Variants

This resource can be used to get a list of variants or get a single variant with all it's references.

List of fields and description

<Feldliste mit Beschreibung>

## GET (List of variants)

Supports filter: Yes

Parameters

Parameter	value	Description
detail_lvl	0, 1, 2	gives a different level of information.

**Note:** See the **Generating Filter Base64 String** Section for information about building a filter string.

Possible filter fields:

field	value	description	info
pdt_hersteller	string		name of manufacturer
pdt_virt_ref	int		article number of virtual reference
pdt_hauptprodukt	int		article number of parent article. You can get a list of variants of one article.

### Example Request/Response:

Request:

GET

[http://example.cludes.com/api/371/variants?t=1418898822&s=9b409ac8eac5bef6219c1008aa230fde&detail\\_lvl=1&limit=2](http://example.cludes.com/api/371/variants?t=1418898822&s=9b409ac8eac5bef6219c1008aa230fde&detail_lvl=1&limit=2)

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : [
    {
      "pdt_short_desc" : "",
      "pdt_marke" : "Hello Kitty",
      "pdt_artikel_id" : "HK-416118-36",
      "pdt_lager_end" : "0",
      "pdt_lager" : "0",
      "pdt_name" : "SIZE: 36",
      "pdt_preis_vk" : "67.92",
      "key" : "pdt",
      "pdt_picture_name" : "",
      "pdt_name_full" : "SIZE: 36",
      "pdt" : "1163",
      "pdt_hauptprodukt" : "1859",
      "pdt_hersteller" : "SANRIO CO. LTD.",
      "pdt_lager_final" : 0,
      "pdt_virt_ref" : null
    },
    {
      "pdt_short_desc" : "",
      "pdt_marke" : "Hello Kitty",
      "pdt_artikel_id" : "HK-416118-40",
      "pdt_lager_end" : "0",
      "pdt_lager" : "484",
      "pdt_name" : "SIZE: 40",
      "pdt_preis_vk" : "84.92",
      "key" : "pdt",
      "pdt_picture_name" : "",
      "pdt_name_full" : "SIZE: 40",
      "pdt" : "1177",
      "pdt_hauptprodukt" : "1859",
      "pdt_hersteller" : "SANRIO CO. LTD.",
      "pdt_lager_final" : 484,
      "pdt_virt_ref" : null
    }
  ]
}
```



## GET (single variant)

Supports filter: No

### Parameters

Parameter	value	Description
detail_lvl	0, 1, 2	gives a different level of information.
refs	bskilpa	gives the specified reference types. every letter stands for a reference type. the following list describes them: b = referenced bundles s = referenced interfaces k = referenced categories i = referenced images p = referenced price groups l = referenced distributors a = referenced attributes

### Example Request/Response:

Request:

GET

[http://example.cludes.com/api/371/variants/100000753?t=1418827283&s=4379bb29b5420d730b8dec02d06ad08b&detail\\_lvl=1&refs=ki](http://example.cludes.com/api/371/variants/100000753?t=1418827283&s=4379bb29b5420d730b8dec02d06ad08b&detail_lvl=1&refs=ki)

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : {
    "pdt_short_desc" : "",
    "pdt_marke" : "cludes",
    "pdt_artikel_id" : "e-6",
    "pdt_lager_end" : "0",
    "pdt_lager" : null,
    "pdt_name" : "Größe: XL | Farbe: gelb",
    "pdt_preis_vk" : "69.9900",
    "key" : "pdt",
    "pdt_picture_name" : ""
  }
}
```

```

"pdt_name_full" : "virt test / Größe: XL | Farbe: gelb",
"pdt_options" : [
  {
    "option" : {
      "value" : " XL ",
      "name" : "Größe"
    }
  },
  {
    "option" : {
      "value" : " gelb",
      "name" : " Farbe"
    }
  }
],
"pdt" : "100000753",
"pdt_hauptprodukt" : "100000749",
"pdt_hersteller" : "cludes",
"pdt_lager_final" : 0,
"pdt_virt_ref" : "100000748"
}
}

```

## POST (create new variant)

Function to create a new variant. If a variant is added to an article which is a standalone article up until to this point the article will be made a variant parent.

If pdt\_auto\_mod is set to Y the following fields will be used from the main article instead of being loaded from the request data so be cautious with this option.

pdt\_hersteller, pdt\_marke, pdt\_short\_desc, pdt\_desc, pdt\_ats, pdt\_akt, pdt\_preis\_ek,  
pdt\_preis\_vk, pdt\_vdg\_auktion, pdt\_vdg, pdt\_tax, pdt\_gewicht,  
pdt\_pro\_gewicht,pdt\_pro\_gewicht\_einheit,

### Parameter

Parameter	value	Description
force	0 1	with force=1 the variant will be added even if it already exists

### Possible field list

field	value	description
pdt_name	varchar(250)	name of product
pdt_desc	text	description
pdt_short_desc	varchar(400)	short description
pdt_hersteller	varchar(100)	manufacturer name
pdt_marke	varchar(100)	brand name
pdt_artikel_id*	varchar(50)	article-id of product
pdt_ean	int	ean of product
pdt_barcode	varchar(30)	other barcode format than ean8/13 for article
pdt_sonderangebot	Y/N	special offer
pdt_preis_vk	float	selling price
pdt_frei1	varchar(150)	free field
pdt_frei2	varchar(150)	free field
pdt_frei3	varchar(150)	free field
pdt_frei4	varchar(150)	free field
pdt_frei5	varchar(150)	free field
pdt_frei6	varchar(150)	free field
pdt_frei7	varchar(150)	free field
pdt_frei8	varchar(150)	free field
pdt_frei9	varchar(150)	free field
pdt_frei10	varchar(150)	free field
pdt_ueberschrift	varchar(80)	alternative article name for ebay
pdt_tax	float	tax percent of article
pdt_versandkosten	float	shipping costs of article
pdt_gewicht	float	weight of article with packing
pdt_search_terms	text	amazon search terms
pdt_bullet_points	text	amazon bullet points
pdt_pro_gewicht	float	article weight only
pdt_pro_gewicht_einheit	unknown', 'g', 'kg', 'l', 'ml', 'km', 'mm', 'cm', 'm', 'qm', 'stk', 'kapsel'	unit of article weight value
pdt_amazon_asin	varchar(10)	amazon ASIN
pdt_preis_vk_alt	float	old selling price
pdt_vsize_w	float	article width

pdt_vsize_h	float	article height
pdt_vsize_d	float	article depth
pdt_inv_status	OK,'NOK','undef'	inventory status of article
pdt_serioes	Y/N	article was checked
pdt_bundle	Y/N	article is bundle
pdt_auto_mod	Y/N	article gets automated parent data
pdt_q_ref	varchar(50)	source unique number/string of article in external plattform
pdt_virt_ref	int	virtual reference pdt of article
pdt_lieferbar_am	datetime	article is available again from date
pdt_lieferstatus	ausverkauft, offline, lieferbar	article available, offline or sold
pdt_bemerkung	text	article user defined text
pdt_seo_name	varchar(100)	
pdt_seo_desc	varchar(255)	
pdt_lager	int	quantity of article in main in stock
pdt_suppliers	json array	json array hash of supplier information
pdt_interfaces	json array	json array hash of interface associations
pdt_options	json array	json array hash of options for name creation
pdt_pricegroups	json array	json array hash of pricegroup prices for variant
pdt_hauptprodukt*	int	pdt-id of main article number the variant should be assigned to

\* information is required!

Additional field notes:

- pdt\_auto\_mod is default Y. If you want to create a variant with no information taken from the main article this field needs to be set to N

### Example Request/Response

**Note:** The following example shows how to add a single variant to an existing article.

Request:

POST

<http://example.cludes.com/api/371/variants?t=1422968758&s=37f463e3be6adffb2e210e0026c6d0b3>

```
{
  "pdt_hauptprodukt": "100088345",
  "pdt_artikel_id": "DA-VI-1-123-blau-xl",
  "pdt_name": "Schriftfarbe: blau | Minengroesse: XL",
  "pdt_ean": "4053929801230",
  "pdt_preis_vk": "72.99",
  "pdt_auto_mod": "Y"
}
```

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : {
    "pdt_artikel_id" : "DA-VI-1-123-blau-xl",
    "status_code" : "success",
    "pdt" : "100088388",
    "pdt_name" : "Minengroesse: XL | Schriftfarbe: blau",
    "pdt_auto_mod" : "Y",
    "pdt_hauptprodukt" : "100088345"
  }
}
```

**Note:** The following example shows how to add multiple variants to an existing article.

Request:

POST

<http://example.cludes.com/api/371/variants?t=1422968776&s=e47db2e4622da35ce098f3e4a3f7281b>

```
[
  {
    "pdt_hauptprodukt": "100088345",
    "pdt_artikel_id": "DA-VI-1-123-blau-s",
    "pdt_name": "Minengroesse: S | Schriftfarbe: blau",
    "pdt_ean": "4053929801230",
    "pdt_auto_mod": "Y"
  },
  {
    "pdt_hauptprodukt": "100088345",
```

```

"pdt_artikel_id": "DA-VI-1-123-gelb-xl",
"pdt_options": [
{"option": {"name": "Schriftfarbe", "value": "gelb"}},
{"option": {"name": "Minengroesse", "value": "XL"}}
],
"pdt_ean": "4053929801230",
"pdt_auto_mod": "Y"
},
{
"pdt_hauptprodukt": "100088345",
"pdt_artikel_id": "DA-VI-1-123-gelb-s",
"pdt_options": [
{"option": {"name": "Minengroesse", "value": "S"}},
{"option": {"name": "Schriftfarbe", "value": "gelb"}}
],
"pdt_ean": "4053929801230",
"pdt_preis_vk": "72.99",
"pdt_auto_mod": "N",
"pdt_desc": "<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec qu</p>",
"pdt_short_desc": "Der Kugelschreiber ist fast so gut wie die anderen, aber nur fast!",
"pdt_marke": "Da Vincis Zweitbeste",
"pdt_sonderangebot": "Y",
"pdt_preis_vk_alt": "79.99"
},
{
"pdt_hauptprodukt": "100088398",
"pdt_artikel_id": "DA-VI-1-123-gelb-m",
"pdt_name": "Schriftfarbe: gelb | Minengroesse: M",
"pdt_ean": "4053929801231",
"pdt_auto_mod": "Y",
"pdt_suppliers": [
{"pli_lie_name": "Organics GmbH", "pli_pdt_name": "Der schwarze Kuli",
"pli_eur_preis_ek": "39.95"},
{"pli_lie": "17", "pli_pdt_name": "Googleschreiber", "pli_eur_preis_ek": "42.95", "pli_haupt":
"Y"}
]
}
]

```

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : [
    {
      "entry" : 1,
      "pdt_artikel_id" : "DA-VI-1-123-blau-s",
      "status_code" : "success",
      "pdt" : "100088389",
      "pdt_name" : "Minengroesse: S | Schriftfarbe: blau",
      "pdt_auto_mod" : "Y",
      "pdt_hauptprodukt" : "100088345"
    },
    {
      "entry" : 2,
      "pdt_artikel_id" : "DA-VI-1-123-gelb-xl",
      "status_code" : "success",
      "pdt" : "100088390",
      "pdt_name" : "Minengroesse: XL | Schriftfarbe: gelb",
      "pdt_auto_mod" : "Y",
      "pdt_hauptprodukt" : "100088345"
    },
    {
      "entry" : 3,
      "pdt_artikel_id" : "DA-VI-1-123-gelb-s",
      "status_code" : "success",
      "pdt" : "100088391",
      "pdt_name" : "Minengroesse: S | Schriftfarbe: gelb",
      "pdt_auto_mod" : "N",
      "pdt_hauptprodukt" : "100088345"
    },
    {
      "entry" : 4,
      "added_suppliers" : 2,
      "pdt_artikel_id" : "DA-VI-1-123-gelb-m",
      "status_code" : "success",
      "pdt_name" : "Minengroesse: M | Schriftfarbe: gelb",
      "added_interfaces" : 63,
      "pdt" : "100088426",
      "pdt_hauptprodukt" : "100088398",
      "pdt_auto_mod" : "Y"
    }
  ]
}
```

```
}
```

## PUT (update variants)

Function to update variant information. Variants can be updated by a single number or by a list of references. If multiple variants are updated the product number of variant is needed.

### Possible field list

See field list of POST [>here<](#)

### Example Request/Response

**Note:** In this example multiple variants get an update. The "pdt"-number is needed when updating a list of more than one variant.

Request:

PUT

<http://example.cludes.com/api/371/variants?t=1424168935&s=b5d36ae86a9a6c553d5c14d46d42658c>

```
[
  {
    "pdt": "100087026",
    "pdt_name": "Farbe: Beige Amande",
    "pdt_ean": "4053929801230",
    "pdt_preis_vk": "28",
    "pdt_auto_mod": "Y"
  },
  {
    "pdt_artikel_id": "MAG3000617",
    "pdt_options": [
      {"option": {"name": "Farbe", "value": "Ete Indien"}}
    ],
    "pdt_ean": "4053929801230",
    "pdt_preis_vk": "44.99"
  },
  {
    "pdt_hauptprodukt": "100087018",
```



```
"pdt_artikel_id": "DA-VI-1-123-gelb-s",
"pdt_options": [
  {"option": {"name": "Minengroesse", "value": "S"}},
  {"option": {"name": "Schriftfarbe", "value": "gelb"}}
],
"pdt": "100087020",
"pdt_auto_mod": "N",
"pdt_desc": "<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec qu</p>",
"pdt_short_desc": "Lorem ipsum dolor sit amet, consectetur adipiscing elit. ",
"pdt_marke": "Da Vincis Zweitbeste",
"pdt_sonderangebot": "Y",
"pdt_preis_vk_alt": "79.99",
"pdt_images": [
  {"url": "http://www.example.com/image1.png", "main": "0", "alias": "nice image"}
]
},
{
  "pdt": "100087029",
  "pdt_artikel_id": "DA-VI-1-123-gelb-m",
  "pdt_name": "Farbe: 30 Rouge Gala ",
  "pdt_ean": "4053929801231",
  "pdt_auto_mod": "Y",
  "pdt_suppliers": [
    {"pli_lie_name": "Organics GmbH", "pli_pdt_name": "Der schwarze Kuli",
    "pli_eur_preis_ek": "39.95"},
    {"pli_lie": "17", "pli_pdt_name": "Miro Kugelschreiber", "pli_eur_preis_ek": "42.95",
    "pli_haupt": "Y"}
  ]
}
]
```

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : [
    {
      "entry" : 1,
      "pdt_artikel_id" : "MAG3000471",
```

```

    "status_code" : "success",
    "pdt" : "100087026",
    "pdt_name" : "Farbe: Beige Amande",
    "note" : "The following fields have been overwritten with main-article values due to
pdt_auto_mod: pdt_preis_vk"
  },
  {
    "entry" : 2,
    "pdt_artikel_id" : "MAG3000617",
    "status_code" : "success",
    "pdt" : "100087027",
    "pdt_name" : "Farbe: Ete Indien"
  },
  {
    "error_images" : 1,
    "entry" : 3,
    "pdt_artikel_id" : "DA-VI-1-123-gelb-s",
    "status_code" : "success",
    "pdt" : "100087020",
    "info_message" : "|image entry 1 had errors in DB-STMNT, entry skipped! ",
    "pdt_name" : "Minengroesse: S | Schriftfarbe: gelb"
  },
  {
    "entry" : 4,
    "pdt_artikel_id" : "DA-VI-1-123-gelb-m",
    "status_code" : "success",
    "pdt" : "100087029",
    "updated_suppliers" : 2,
    "pdt_name" : "Farbe: 30 Rouge Gala"
  }
]
}

```

## DELETE

Function to delete a single variant by it's number or delete variants by it's main-article-id. If variants are deleted by main number it has to be given as a filter. After all Variants of one main article are deleted the main article will be updated to be a normal standalone article.

### Possible filter fields:

field	value description	info
pdt_hauptprodukt	int	pdt-id of main-article

### Example Request/Response

**Note:** The following example shows how to delete a single variant by it's number given in the URL.

Request:

DELETE

<http://example.cludes.com/api/371/variants/100078381?t=1422881095&s=efe1cb0f861243eaebf2f9c8cbf5df74>

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : {
    "status" : "success"
  }
}
```

**Note:** The following example shows how to delete variants by it's main-article-id.

The JSON Filter that has been used looks like this:

```
{"pdt_hauptprodukt": {"o": "=", "v": "100078378"}}
```

Request:

DELETE

<http://example.cludes.com/api/371/variants/?t=1422879266&s=1ab08db980fbce6262ddcb6df288f229&filter=eyJwZHRfaGF1cHRwcm9kdWt0IjogeyJvIjogIjEwMDA3ODM3OCJ9>

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : {
    "status" : "success",
    "count_deleted_variants" : 3,
    "pdt_hauptprodukt" : "100078378"
  }
}
```

## Categories

This resource can be used to get a list of categories or get a single category with all it's references.

List of fields and description

<Feldliste mit Beschreibung>

### GET (List of categories)

Supports filter: Yes

Parameters

Parameter	value	Description
detail_lvl	1, 2	gives a different level of information.
refs		

**Note:** See the **Generating Filter Base64 String** Section for information about building a filter string.

Possible filter fields:

field	value description	info
kat_ref_kat	int	number of parent category for a list of categories directly under specified category

### Example Request/Response:

Request:

GET

[http://example.cludes.com/api/371/categories?t=1418899136&s=539616174efae86e9e4f94885d0f7b31&detail\\_lvl=1&limit=3](http://example.cludes.com/api/371/categories?t=1418899136&s=539616174efae86e9e4f94885d0f7b31&detail_lvl=1&limit=3)

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : [
    {
      "kat" : "391",
      "kat_ref_kat" : "390",
      "key" : "kat",
      "kat_name" : "hauptkategorie 1"
    },
    {
      "kat" : "7",
      "kat_ref_kat" : "0",
      "key" : "kat",
      "kat_name" : "Elektronik"
    },
    {
      "kat" : "8",
      "kat_ref_kat" : "0",
      "key" : "kat",
      "kat_name" : "Fashion"
    }
  ]
}
```

## GET (Single category)

Supports filter: No

Parameters

Parameter	value	Description
detail_lvl	1, 2	gives a different level of information.
refs	p	gives the specified reference types. every letter stands for a reference type. the following list describes them: p = list of products in this category (no variants)

### Example Request/Response:

Request:

GET

[http://example.cludes.com/api/371/categories/7?t=1418899208&s=5bcb529c862886b9e56ff1ec5d66a74d&detail\\_lvl=1](http://example.cludes.com/api/371/categories/7?t=1418899208&s=5bcb529c862886b9e56ff1ec5d66a74d&detail_lvl=1)

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : {
    "kat" : "7",
    "kat_ref_kat" : "0",
    "key" : "kat",
    "kat_name" : "Elektronik"
  }
}
```



# Customers

This resource can be used to get a list of customers or get a single customer with all it's references.

When the restricted access to this resource is activated you can't get a list of customers. You then need to register your external session and authorize it with the API to get access to the customer.

## GET (list of customers)

Supports filter: Yes

**Note:** *This method is unavailable if restricted access is configured!*

Parameter

Parameter	value	Description
detail_lvl	1, 2	gives a different level of information.

**Note:** See the **Generating Filter Base64 String** Section for information about building a filter string.

Possible filter fields:

field	value description	info
kdn_anrede	int	number of parent category for a list of categories directly under specified category
kdn_ort	string	City Name
kdn_plz	string	Postcode
kdn_firma	string	company name
kdn_land	char(2)	ISO Code of a country to get list of customers with this country



kdn_sst	int	customers of given interface number (only if "all" is configured in cludes api settings)
kdn_mail		
kdn_sst_ref		

### Example Request/Response:

Request:

GET

[http://example.cludes.com/api/371/customers/?t=1418899734&s=4b0293ead7515d8d4b913a95e19c1221&detail\\_lvl=1&limit=3](http://example.cludes.com/api/371/customers/?t=1418899734&s=4b0293ead7515d8d4b913a95e19c1221&detail_lvl=1&limit=3)

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : [
    {
      "kdn_land" : "DE",
      "kdn_str" : "Testingallee 20",
      "kdn_vname" : "Maximillian",
      "kdn_tel" : "",
      "kdn_sst_ref" : "",
      "kdn_plz" : "64543",
      "kdn_pwd" : "",
      "key" : "kdn",
      "kdn_adr_zusatz" : "",
      "kdn" : "1000",
      "kdn_name" : "Mustermann",
      "kdn_sst" : "0",
      "kdn_ort" : "Berlin",
      "kdn_mail" : "#",
      "kdn_tel_var" : "",
      "kdn_anrede" : "M"
    },
    {
      "kdn_land" : "",
```

```

    "kdn_str" : " ",
    "kdn_vname" : "Matthias",
    "kdn_tel" : "+49 177*****",
    "kdn_sst_ref" : "",
    "kdn_plz" : "",
    "kdn_pwd" : "",
    "key" : "kdn",
    "kdn_adr_zusatz" : "",
    "kdn" : "10001",
    "kdn_name" : "Wegener",
    "kdn_sst" : "0",
    "kdn_ort" : "Berlin",
    "kdn_mail" : "#",
    "kdn_tel_var" : "",
    "kdn_anrede" : "M"
  }
]
}

```

## GET (single customer)

Supports filter: No

**Note:** *You need to authenticate yourself to get access to a customer if restricted access is configured.*

Parameter

Parameter	value	Description
detail_lvl	1, 2	gives a different level of information.
ses	string	(optional) session string of external system. For example the session of a customer logged in your shop.
acc_s	string	md5 hex signature of timestamp, customer mail and customer password. Is required for customer access if restricted access is configured. The data must be the same as the data in cludes otherwise you won't get access to the customer data

### Info for restricted access:

To get access to the customer while restricted access is activated you need to confirm that you are the customer or know him. You need to submit a session string (can be the session used of your system). The API registers your session or updates it if it already exists.

Just submitting the session won't do the trick. You need to authorize the session in order to get access. Therefore the md5 hex sum of the Request Timestamp, the Customer E-Mail and the Password is required.

For example:

email: [test@cludes.de](mailto:test@cludes.de)

password: test1234

timestamp: 1418900370

```
md5("1418900370test@cludes.de"test1234");
```

If the server generated signature is the same as yours your session will be authorized to access the customer. You can send the information all at once, the API will generate a session if none exists and authorize it if you submit the signature at the initial request.

Once you have an authorized session you don't need to submit the signature anymore although it won't generate any errors if you do.

### Example Request/Response:

#### Full access:

Request:

GET

[http://example.cludes.com/api/371/customers/218678?t=1418900370&s=cd3f155fd3723386cdb2ad26214410c9&detail\\_lvl=1](http://example.cludes.com/api/371/customers/218678?t=1418900370&s=cd3f155fd3723386cdb2ad26214410c9&detail_lvl=1)

Response:

```
{  
  "Message" : "",  
  "Status" : "success",  
  "data" : {  
    "kdn_land" : "DE",
```

```
"kdn_str" : "Teststr. 44",
"kdn_vname" : "Max",
"kdn_tel" : "02664345646",
"kdn_sst_ref" : "124",
"kdn_plz" : "65467",
"kdn_pwd" : "asdfa9s8df7a9sd",
"key" : "kdn",
"kdn_adr_zusatz" : "Adresszusatz Test 1",
"kdn" : "218678",
"kdn_name" : "Mustermann",
"kdn_sst" : "353",
"kdn_ort" : "Nettetal",
"kdn_mail" : "example@cludes.de",
"kdn_tel_var" : "",
"kdn_anrede" : "M"
}
}
```

#### **Restricted access:**

Request:

GET

[http://example.cludes.com/api/371/customers/218678?t=1418902236&s=9825f9055cf7aff0f36542d717fbc7eb&detail\\_jvl=1&ses=mysession1012391&acc\\_s=bca38ca67971b1c1eb4e85fff46d239f](http://example.cludes.com/api/371/customers/218678?t=1418902236&s=9825f9055cf7aff0f36542d717fbc7eb&detail_jvl=1&ses=mysession1012391&acc_s=bca38ca67971b1c1eb4e85fff46d239f)

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : {
    "kdn_land" : "DE",
    "kdn_str" : "Teststr. 44",
    "kdn_vname" : "Max",
    "kdn_tel" : "645676876",
    "kdn_sst_ref" : "124",
    "kdn_plz" : "61547",
    "kdn_pwd" : "asdfa9s8df7a9sd",
    "key" : "kdn",
    "kdn_adr_zusatz" : "Adresszusatz Test 1",
```

```

    "kdn" : "218678",
    "kdn_name" : "Mustermann",
    "kdn_sst" : "353",
    "kdn_ort" : "Nettetal",
    "kdn_mail" : "example@cludes.de",
    "kdn_tel_var" : "",
    "kdn_anrede" : "M"
  }
}

```

## POST (create new customer)

This resource is used to create new customers in cludes. A session for customer creation is always optional but if a session is submitted within the request the given session will be authorized with the created customer. As long as the session is valid you can access the customer data without authorizing the session again.

### Parameter

Parameter	value	Description
ses	string	(optional) session string of external system. For example the session of a customer logged in your shop.

### Possible field list

field	value description	info
kdn_anrede		
kdn_vname		
kdn_name		
kdn_str		
kdn_ort		
kdn_plz		
kdn_geb		

kdn_firma		
kdn_mail*		
kdn_tel		
kdn_tel_var		
kdn_land		
kdn_pwd*		
kdn_news		
kdn_kto_name		
kdn_kto_inst		
kdn_ktzo_blz		
kdn_kto_nr		
kdn_sst_ref2		
kdn_kto_iban		
kdn_kto_bic		
kdn_adr_zusatz		

\* these fields are required to create the customer via api

### Example Request/Response

**Info:** The following example shows a customer creation with full access to this endpoint.

Request:

POST

<http://example.cludes.com/api/371/customers?t=1421243549&s=afe8a7c11eb9aa1d89456a5567a886c3>

```
{
  "kdn_land": "DE",
  "kdn_str": "Teststr.
  44",
  "kdn_vname": "Max",
  "kdn_tel": "647864632",
  "kdn_sst_ref": "115467",
  "kdn_plz": "61543",
  "kdn_pwd": "as4fa56sd54f",
  "key": "kdn",
  "kdn_adr_zusatz": "Adresszusatz Test"
}
```

```
1","kdn_name":"Mustermann","kdn_sst": "353",  
"kdn_ort":"Berlin","kdn_mail":"mustermann@cludes.de","kdn_tel_var":"","kdn_anrede":"M"}
```

Response:

```
{  
  "Message" : "",  
  "Status" : "success",  
  "data" : {  
    "kdn_mail" : "mustermann@cludes.de",  
    "kdn_sst_ref" : "115467",  
    "kdn" : "226029",  
    "ignored_fields" : "key,kdn_sst"  
  }  
}
```

**Info:** The following example shows a customer creation with a user session. The session is required if restricted access is configured for this endpoint. The created customer will be assigned to the given session and the session gets authorized for the customer.

Request:

POST

<http://example.cludes.com/api/371/customers?t=1421243776&s=c936de906698914e3b1edf0ee56feabb&&ses=apisession1>

```
{"kdn_land":"DE","kdn_str":"Teststr.  
44","kdn_vname":"Max","kdn_tel":"647864632","kdn_sst_ref":"115467","kdn_plz":"61543","kdn_  
pwd":"as4fa56sd54f","key":"kdn","kdn_adr_zusatz":"Adresszusatz Test  
1","kdn_name":"Mustermann","kdn_sst": "353",  
"kdn_ort":"Berlin","kdn_mail":"mustermann@cludes.de","kdn_tel_var":"","kdn_anrede":"M"}
```

Response:

```
{  
  "Message" : "",  
  "Status" : "success",  
  "data" : {  
    "kdn_mail" : "mustermann@cludes.de",  
    "kdn_sst_ref" : "115467",  
    "kdn" : "226030",  
    "ignored_fields" : "key,kdn_sst"  
  }  
}
```

}

## Shoppingcart

This resource can be used to get a list of shoppingcart entries for a specified session or adding new shopping cart entries to a session.

### GET (shopping cart entries for session)

Supports filter: No

**Note:** Gets a list of shopping cart entries for the given session string. Shopping cart entries will be deleted if the api session assigned to your system session gets deleted. For example when the session reached it's timeout lifetime.

Parameter

Parameter	value	Description
ses	string	(required) session string of external system. For example the session of a customer logged in your shop.

### Example Request/Response

Request:

GET

<http://example.cludes.com/api/371/shoppingcart?t=1418907883&s=93ad60fb7139619697db70548276373a&&ses=mysession1012391>

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : [
    {
      "aca_pdt" : "1792",
```



```

    "aca_tax" : "19",
    "aca_kdn" : "218678",
    "aca_ep" : "14.90",
    "key" : "aca",
    "aca_aps" : "5",
    "aca_anzahl" : "2",
    "aca_timestamp" : "2014-12-19 12:31:41",
    "aca_name" : "Toller Testartikel",
    "aca_ext_pdt" : "",
    "aca" : "11"
  }
]
}

```

## POST (create new shopping cart entry)

This function is used to create new shopping cart entries. It requires a session number to identify the shopping cart entry. If your session is already authorized the API will automatically attach each shopping cart entry to the customer assigned to the submitted session.

If your session is not authorized the shopping cart entry will remain without a customer number. If you authorize the session all existing shopping cart entries without a customer number will be assigned to the customer.

**Note:** *If you post a new shopping cart entry to a session and there already is an entry with the same price, session and aca\_pdt (and/or aca\_ext\_pdt) the existing entry will be updated. You can see whether there was a new or an updated entry in the action field of the response.*

### Parameter

Parameter	value	Description
ses	string	(required) session string of external system. For example the session of a customer logged in your shop.
acc_s	string	(optional) md5 hex signature of timestamp, customer mail and customer password. If you have no authorized session up to this point you can add the signature to request an authorized session while adding the shoppingcart entry.

## Possible creation fields

field	value	description	required
aca_pdt	int	cludes product Number of shoppingcart article	no (is required if aca_ext_pdt not defined)
aca_tax	int	tax for cart entry	no
aca_ep	float	single price for the product in the cart	yes
aca_anzahl	int	quantity of ordered article for this entry	yes
aca_name	varchar	name of ordered article for this entry	yes
aca_ext_pdt	varchar	external product-number of product. can be used for identification. should be unique for each article	no (is required if aca_pdt not defined)

## Example Request/Response

Request:

POST

<http://example.cludes.com/api/371/shoppingcart?t=1418907883&s=93ad60fb7139619697db70548276373a&&ses=mysession1012391>

Content:

```
{
  "aca_pdt" : "1792",
  "aca_tax" : "19",
  "aca_ep" : "14.90",
  "aca_anzahl" : "2",
  "aca_name" : "Toller Testartikel",
  "aca_ext_pdt" : "ACA-test-1",
}
```

Response 1 (new inserted entry):

```
{
  "Message" : "",
  "Status" : "success",
}
```

```
"data" : {
  "aca_pdt" : "1792",
  "aca_tax" : "19",
  "aca_ep" : "14.90",
  "aca_anzahl" : "2",
  "action" : "inserted",
  "aca_name" : "Toller Testartikel",
  "aca_ext_pdt" : "ACA-test-1",
  "aca" : "12"
}
```

Response 2 (updated entry):

```
{
  "Message" : "",
  "Status" : "success",
  "data" : {
    "aca_pdt" : "1792",
    "aca_tax" : "19",
    "aca_ep" : "14.90",
    "aca_anzahl" : 4,
    "aca_name" : "Toller Testartikel",
    "action" : "updated",
    "aca_ext_pdt" : "ACA-test-1",
    "aca" : "12"
  }
}
```

## **DELETE (delete existing shoppingcart entry)**

This resource is used to delete single shopping cart entries. You need the session the shoppingcart entry was created with to delete it. If the entry is assigned to a customer you need to authorize the session first in order to delete the entry.

Parameters

Parameter	value	Description
ses	string	(optional) session string of external system. For example the session of a customer logged in your shop.
acc_s	string	md5 hex signature of timestamp, customer mail and customer password. Is required for customer access if restricted access is configured. The data must be the same as the data in cludes otherwise you won't get access to the customer data

### Example Request/Response

Request:

DELETE

<http://example.cludes.com/api/371/shoppingcart/15?t=1420646052&s=7fc18ee810ef092f5fce13bba48a70c9&&ses=pgr123sessiontest>

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : ""
}
```

### PUT (Update existing shoppingcart entry)

This resource can be used to modify existing shoppingcart entries. You need to submit the session which was used to create the entry to modify it. If the shoppingcart entry is already assigned to a customer the submitted session needs to be authorized for modification.

Parameters

Parameter	value	Description
ses	string	(optional) session string of external system. For example the session of a customer logged in your shop.

acc_s	string	md5 hex signature of timestamp, customer mail and customer password. Is required for customer access if restricted access is configured. The data must be the same as the data in cludes otherwise you won't get access to the customer data
-------	--------	--

### Possible modification fields

field	value	description	required
aca_pdt	int	cludes product Number of shoppingcart article	no (is required if aca_ext_pdt not defined)
aca_tax	int	tax for cart entry	no
aca_ep	float	single price for the product in the cart	yes
aca_anzahl	int	quantity of ordered article for this entry	yes
aca_name	varchar	name of ordered article for this entry	yes
aca_ext_pdt	varchar	external product-number of product. can be used for identification. should be unique for each article	no (is required if aca_pdt not defined)

### Example Request/Response:

Request:

PUT

<http://example.cludes.com/api/371/shoppingcart/16?t=1420730376&s=6705855470c591ab1b867201a0bf720b&&ses=pgr123sessiontest>

```
{"aca_tax": "7", "aca_ep": "24.56", "aca_anzahl": "3"}
```

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : {
```

```

    "info" : "Successfule updated shoppingcart entry",
    "aca_anzahl" : "3",
    "aca_tax" : "7",
    "aca_ep" : "24.56"
  }
}

```

## Orders

The orders resource can be used to get a list of orders, to create new orders or update existing orders.

### GET (list of orders)

Supports filter: Yes

Parameter

Parameter	value	Description
ses	string	(required) session string of external system. For example the session of a customer logged in your shop.
acc_s	string	(optional) md5 hex signature of timestamp, customer mail and customer password. If you have no authorized session up to this point you can add the signature to request an authorized session while adding the shoppingcart entry.

**Note:** See the **Generating Filter Base64 String** Section for information about building a filter string.

Possible filter fields:

field	value description	info
ods_datum_bestellung	datetime (yyyy-mm-dd hh:mm:ss)	Order-Date
ods_stand	string (one of following:	Order State

	'bestellt','bezahlt','v_bereit','v_ersand','erledigt','storniert')	
ods_bill_status	string (one of following: 'unpaid','do_create','do_print','printed')	Order Bill Creation State
ods_kdn	int	orders of given customer number
ods_datum_rechnung	datetime (yyyy-mm-dd hh:mm:ss)	
ods_sst	int	orders of given interface number (only if "all" is configured in cludes api settings)
ods_paid	char (Y or N)	paid status. Y if order is paid, N if not

### Example Request/Response

Request:

GET

<http://example.cludes.com/api/371/orders?t=1418916583&s=28a26e004f07e03a5ca1b3a47653e98d&filter=eyJvZHNfZGF0dW1fYmVzdGVsbHVuZyI6IHsibyl6ICI%2BPSIsICJ2IjogIjIwMTQtMTU0IHR5cGU6Im9kc19zdGFuZCI6IHsibyl6ICI9IiwgInYiOiAiYmV6YWVhSDJ9fQo%3D%0A>

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : [
    {
      "ods_gpreis_angezahlt" : "0.00",
      "ods_track_id" : "",
      "ods_zahlungsart" : "bar",
      "ods_packid" : "0",
      "ods_kdn" : "218755",
      "ods_sst_ref2" : "",
      "key" : "ods",
    }
  ]
}
```

```
"ods_extern_plattform" : "",
"ods_vkosten" : "0.00",
"ods_datum_bestellung" : "2014-12-04 13:06:40",
"ods_bemerkung_public" : null,
"ods_datum_versand" : "0000-00-00 00:00:00",
"ods_paid" : "N",
"ods_datum_zahlung" : "0000-00-00 00:00:00",
"ods_sst" : "0",
"ods_extern_ref" : "FBAGP3RJT",
"ods_sst_ref" : "",
"ods_gpreis" : "0.00",
"ods_bill_status" : "do_create",
"ods_stand" : "bezahlt",
"ods_tax" : "0",
"ods_datum_rechnung" : "0000-00-00",
"ods" : "133031"
},
{
"ods_gpreis_angezahlt" : "0.00",
"ods_track_id" : "",
"ods_zahlungsart" : "bar",
"ods_packid" : "0",
"ods_kdn" : "218755",
"ods_sst_ref2" : "",
"key" : "ods",
"ods_extern_plattform" : "",
"ods_vkosten" : "0.00",
"ods_datum_bestellung" : "2014-12-04 13:09:07",
"ods_bemerkung_public" : null,
"ods_datum_versand" : "0000-00-00 00:00:00",
"ods_paid" : "N",
"ods_datum_zahlung" : "0000-00-00 00:00:00",
"ods_sst" : "0",
"ods_extern_ref" : "FBAGP3V3T",
"ods_sst_ref" : "",
"ods_gpreis" : "0.00",
"ods_bill_status" : "do_create",
"ods_stand" : "bezahlt",
"ods_tax" : "0",
"ods_datum_rechnung" : "0000-00-00",
"ods" : "133032"
}
]
```



}

## GET (single order)

Supports filter: No

Parameter

Parameter	value	Description
ses	string	(required) session string of external system. For example the session of a customer logged in your shop.
acc_s	string	(optional) md5 hex signature of timestamp, customer mail and customer password. If you have no authorized session up to this point you can add the signature to request an authorized session while adding the shoppingcart entry.
refs	camp	gives the specified reference types. every letter stands for a reference type. the following list describes them: c = customer data of order a = delivery address of order p = positions of orders (ordered articles) m = messages (added messages for order)

### Info for Restricted Access:

To get access to an order while restricted access is activated you need to confirm that you are the customer or know him. You need to submit a session string (can be the session used of your system). The API registers your session or updates it if it already exists.

Just submitting the session won't do the trick. You need to authorize the session in order to get access. Therefore the md5 hex sum of the Request Timestamp, the Customer E-Mail and the Password of the requested order is required.

For example:

email: [test@cludes.de](mailto:test@cludes.de)

password: test1234

timestamp: 1418900370

```
md5("1418900370test@cludes.de"test1234");
```

If the server generated signature is the same as yours your session will be authorized to access the order of the customer. You can send the information all at once, the API will generate a session if none exists und authorize it if you submit the signature (acc\_s) at the initial request.

Once you have an authorized session you don't need to submit the signature anymore although it won't generate any errors if you do.

### **Example Request/Response:**

#### **Full Access:**

Request:

GET

<http://example.cludes.com/api/371/orders/133034?t=1418989007&s=cde6724f056ab6d487cf941dff87924e&refs=cp>

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : {
    "ods_gpreis_angezahlt" : "0.00",
    "ods_track_id" : "",
    "ods_zahlungsart" : "lastschrift",
    "ods_packid" : "0",
    "ods_kdn" : "218678",
    "ods_sst_ref2" : "",
    "key" : "ods",
    "ods_extern_plattform" : "",
    "ods_vkosten" : "1.90",
    "ods_datum_bestellung" : "2014-12-09 12:47:01",
    "ods_bemerkung_public" : null,
    "ods_datum_versand" : "0000-00-00 00:00:00",
    "references" : {
      "ods_customer" : [
        {
          "kdn_land" : "DE",
          "kdn_str" : "Teststr. 44",
          "kdn_vname" : "Max",
```

```
"kdn_tel" : "021539507050",
"kdn_mail" : "example@cludes.de",
"kdn_tel_var" : "",
"kdn_sst_ref" : "124",
"kdn_plz" : "41334",
"kdn_pwd" : "asdfa9s8df7a9sd",
"kdn_adr_zusatz" : "Adresszusatz Test 1",
"kdn_anrede" : "M",
"kdn" : "218678",
"kdn_name" : "Mustermann",
"kdn_sst" : "353",
"kdn_ort" : "Nettetal"
}
],
"ods_positions" : [
{
"oko_vpfertig" : "N",
"oko_ep" : "30.00",
"oko_pdt" : "1792",
"oko_name" : "Gel Nettoyant Non Moussant - MEN - HOMME",
"oko_anzahl" : "2",
"oko_tax" : "19.00"
}
]
},
"ods_paid" : "N",
"ods_datum_zahlung" : "0000-00-00 00:00:00",
"ods_sst" : "1",
"ods_extern_ref" : "",
"ods_sst_ref" : "",
"ods_gpreis" : "61.90",
"ods_bill_status" : "unpaid",
"ods_stand" : "bestellt",
"ods_tax" : "19",
"ods_datum_rechnung" : "0000-00-00",
"ods" : "133034"
}
}
```

**Restricted Access:**

Request:

GET

[http://example.cludes.com/api/371/orders/133034?t=1418989783&s=706c7ee6736798bc8ed90d2f7b2bf5cc&ses=mysession1234&acc\\_s=6b7ab73abe7cf44539ea3516e5067639](http://example.cludes.com/api/371/orders/133034?t=1418989783&s=706c7ee6736798bc8ed90d2f7b2bf5cc&ses=mysession1234&acc_s=6b7ab73abe7cf44539ea3516e5067639)

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : {
    "ods_gpreis_angezahlt" : "0.00",
    "ods_track_id" : "",
    "ods_zahlungsart" : "lastschrift",
    "ods_packid" : "0",
    "ods_kdn" : "218678",
    "ods_sst_ref2" : "",
    "key" : "ods",
    "ods_extern_plattform" : "",
    "ods_vkosten" : "1.90",
    "ods_datum_bestellung" : "2014-12-09 12:47:01",
    "ods_bemerkung_public" : null,
    "ods_datum_versand" : "0000-00-00 00:00:00",
    "ods_paid" : "N",
    "ods_datum_zahlung" : "0000-00-00 00:00:00",
    "ods_sst" : "1",
    "ods_extern_ref" : "",
    "ods_sst_ref" : "",
    "ods_gpreis" : "61.90",
    "ods_bill_status" : "unpaid",
    "ods_stand" : "bestellt",
    "ods_tax" : "19",
    "ods_datum_rechnung" : "0000-00-00",
    "ods" : "133034"
  }
}
```

## POST (create new order)

**Note:** If restricted access is configured for the api interface the account signature is required. If an order is created for an already existing user the session needs to be authorized for this user. The session must not be authorized if the customer data and all the other data needed for a complete new order are in the given request.

### Parameter

Parameter	value	Description
ses	string	(required) session string of external system. For example the session of a customer logged in your shop.
acc_s	string	(optional) md5 hex signature of timestamp, customer mail and customer password. If you have no authorized session up to this point you can add the signature to request an authorized session while adding the shoppingcart entry.

### Possible field list

field	value description	info
ods_datum_bestellung	datetime (yyyy-mm-dd hh:mm:ss)	Order-Date
ods_stand	string (one of following: 'bestellt','bezahlt','v_bereit','v_ersand','erledigt','storniert')	Order State
ods_bill_status	string (one of following: 'unpaid','do_create','do_print','printed')	Order Bill Creation State
ods_kdn	int	orders of given customer number
ods_datum_rechnung	datetime (yyyy-mm-dd hh:mm:ss)	
ods_sst	int	orders of given interface number (only if "all" is configured in cludes api settings)

ods_paid	char (Y or N)	paid status. Y if order is paid, N if not
ods_vkosten	float	shipping costs
ods_gpreis_angezahlt	float	amount paid on account
ods_bemerkung_public	text	public note for order
ods_zahlungsart	string	only the following: 'ueberweisung', 'lastschrift', 'nachnahme', 'paypal', 'clickandbuy', 'bar', 'rechnung', 'extern', 'ec', 'mb', 'sue', 'kk', 'billsafe', 'kasse', 'kl', 'klr', 'sp', 'billpay_rechnung', 'billpay_lastschrift', 'amazon_payments'
ods_track_id	string	tracking number of order sent by deliverer
ods_cur	string	Currency Code of order (EUR, GBP, USD etc.)
ods_extern_ref	string	public external identification code for order
ods_tax	tinyint	tax percent
ods_sst_ref	string	primary key (internal ident) of external order for program interaction
ods_pay_ref	string	pay reference used by external payment servers like paypal
ods_sst_ref2	string	2nd internal referenced. used for various ident purposes. different for interface types
ods_spedition	string	name of delivery server
ods_ref		
ods_voucher_codes	string	comma seperated list of cludes voucher codes used for this order

ods_voucher_alias_codes	string	comma seperated list of own user voucher codes used for this order
ods_positions	json array	json array hash of positions which should be added to the order.

Additional field notes:

- when using ods\_voucher\_codes or ods\_voucher\_alias\_codes and the sum of those are higher than the order price the last given code will be partially redeemed.
- when using ods\_positions-tag to add positions to the order be sure there are no shopping cart entries associated with the session. Otherwise the order creation will be aborted since you can only add an order with positions-tag and without shoppingcart entries or reverse with shopping cart entries and without positions-tag.

**Example Request/Response:**

**Info:** *In this example the customer already exists and the delivery address is being filled with the billing address information of the existing customer.*

Request:

POST

<http://example.cludes.com/api/371/orders?t=1419004997&s=d55596001955e7bf0d4bd8209738cbae>

```
{
  "ods_zahlungsart" : "nachname",
  "ods_kdn" : "218678",
  "ods_vkosten" : "4.30",
  "ods_datum_bestellung" : "2014-12-04 13:09:07",
  "ods_extern_ref" : "api-order-test-1",
  "ods_tax" : "19",
  "ods_positions": [
    {
      "oko_pdt": "1792",
      "oko_anzahl": "2",
      "oko_ep": "17.89",
      "oko_name": "API Positions Testartikel 1",
      "oko_tax": "7",
      "oko_text": "my-order-test-1"
    },
    {
      "oko_pdt": "0",
      "oko_anzahl": "3",
      "oko_ep": "2.57",
      "oko_name": "API Positions Testartikel 2",
      "oko_tax": "19",
      "oko_text": "my-order-test-2"
    }
  ]
}
```

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : {
    "ods_positions" : [
      {
        "oko_ep" : "17.89",
        "oko_pdt" : "1792",
        "oko_ods" : "133073",

```

```

    "oko_text" : "my-order-test-1",
    "oko_kdn" : "218678",
    "oko_name" : "API Positions Testartikel 1",
    "oko_anzahl" : "2",
    "oko_tax" : "7"
  },
  {
    "oko_ep" : "2.57",
    "oko_pdt" : "0",
    "oko_ods" : "133073",
    "oko_text" : "my-order-test-2",
    "oko_kdn" : "218678",
    "oko_name" : "API Positions Testartikel 2",
    "oko_anzahl" : "3",
    "oko_tax" : "19"
  }
],
"ods_zahlungsart" : "nachname",
"ods_extern_ref" : "api-order-test-1",
"ods_kdn" : "218678",
"ods_vkosten" : "4.30",
"ods_datum_bestellung" : "2014-12-04 13:09:07",
"ods_lad" : "48366",
"action" : "inserted",
"ods_tax" : "19",
"ods" : "133073"
}
}

```

**Info:** *In this example we'll give the customer data to the api. If the customer doesn't exist it'll be added. If the customer information differs from the existing one it will be updated through the api.*

Request:

POST

[http://example.cludes.com/api/371/orders?t=1420636818&s=6a79549860de8ac561e4b336b7fb12ea&&ses=pgr123sessiontest&acc\\_s=985c129aed96d7678e8fca92f8d65cd3](http://example.cludes.com/api/371/orders?t=1420636818&s=6a79549860de8ac561e4b336b7fb12ea&&ses=pgr123sessiontest&acc_s=985c129aed96d7678e8fca92f8d65cd3)

```

{"ods_zahlungsart" : "ueberweisung", "ods_vkosten" : "3.50", "ods_extern_ref" :
"api-order-test-2", "ods_tax" : "19", "ods_positions": [{"oko_pdt": "1792", "oko_anzahl": "2",
"oko_ep": "17.89", "oko_name": "API Positions Testartikel 1", "oko_tax": "7", "oko_text":
"my-order-test-1"}, {"oko_pdt": "0", "oko_anzahl": "3", "oko_ep": "2.57", "oko_name": "API
Positions Testartikel 2", "oko_tax": "19", "oko_text": "my-order-test-2"}], "ods_customer":

```



```
{"kdn_land":"DE","kdn_str":"Teststr.  
44","kdn_vname":"Max","kdn_tel":"123456789","kdn_sst_ref":"124","kdn_plz":"12345","kdn_adr_  
zusatz":"Adresszusatz Test 1","kdn_name":"Mustermann","kdn_ort":"Musterhausen"}}
```

Response:

```
{  
  "Message" : "",  
  "Status" : "success",  
  "data" : {  
    "ods_positions" : [  
      {  
        "oko_ep" : "17.89",  
        "oko_pdt" : "1792",  
        "oko_ods" : "133077",  
        "oko_text" : "my-order-test-1",  
        "oko_kdn" : "218678",  
        "oko_name" : "API Positions Testartikel 1",  
        "oko_anzahl" : "2",  
        "oko_tax" : "7"  
      },  
      {  
        "oko_ep" : "2.57",  
        "oko_pdt" : "0",  
        "oko_ods" : "133077",  
        "oko_text" : "my-order-test-2",  
        "oko_kdn" : "218678",  
        "oko_name" : "API Positions Testartikel 2",  
        "oko_anzahl" : "3",  
        "oko_tax" : "19"  
      }  
    ],  
    "ods_zahlungsart" : "ueberweisung",  
    "ods_extern_ref" : "api-order-test-2",  
    "ods_kdn" : "218678",  
    "ods_vkosten" : "3.50",  
    "ods_datum_bestellung" : "NOW()",  
    "ods_lad" : "48369",  
    "action" : "inserted",  
    "ods_tax" : "19",  
    "ods" : "133077"  
  }  
}
```

**Info:** *In this example the customer already exists but the delivery address differs from the billing address which already exists. There are no positions in this example but there are already existing shoppingcart entries for the given session which will be associated to this order.*

Request:

POST

[http://example.cludes.com/api/371/orders?t=1420640457&s=05cf9fd03039028029e2261cc081cd9b&&ses=pgr123sessiontest&acc\\_s=6874fd9a607816ab79fa1761a8d76764](http://example.cludes.com/api/371/orders?t=1420640457&s=05cf9fd03039028029e2261cc081cd9b&&ses=pgr123sessiontest&acc_s=6874fd9a607816ab79fa1761a8d76764)

```
{"ods_zahlungsart" : "rechnung", "ods_kdn" : "218678", "ods_vkosten" : "6.70", "ods_extern_ref" : "api-order-test-3", "ods_tax" : "19", "ods_delivery": {"lad_vname": "Max", "lad_name": "Mustermann", "lad_str": "Teststr. 44", "lad_ort": "Musterhausen", "lad_plz": "12345", "lad_firma": "cludes", "lad_land": "DE", "lad_adr_zusatz": "Addresszusatz 1"}}
```

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : {
    "ods_positions" : [
      {
        "oko_ep" : "14.90",
        "oko_pdt" : "1792",
        "oko_ods" : "133078",
        "oko_text" : "ACA-test-1",
        "oko_kdn" : "218678",
        "oko_name" : "Toller Testartikel",
        "oko_anzahl" : "2",
        "oko_tax" : "19"
      }
    ],
    "ods_zahlungsart" : "rechnung",
    "ods_extern_ref" : "api-order-test-3",
    "ods_kdn" : "218678",
    "ods_vkosten" : "6.70",
    "ods_datum_bestellung" : "NOW()",
    "ods_lad" : "48370",
    "action" : "inserted",
    "ods_tax" : "19",
  }
}
```

```

    "ods" : "133078"
  }
}

```

## PUT (update existing order entry)

This resource can be used to modify order entries in cludes. If the resource access is restricted an authorized session is needed in order to update order parameters.

The PUT method of the order references supports the possibility to modify multiple orders. If an order number is present in the URL only this will be updated.

If the request is placed at the main endpoint the api will read the request as array with more than just one order.

Multiple order updates are not possible when restricted access to order resource is configured.

### Parameter

Parameter	value	Description
ses	string	(required) session string of external system. For example the session of a customer logged in your shop.
acc_s	string	(optional) md5 hex signature of timestamp, customer mail and customer password. If you have no authorized session up to this point you can add the signature to request an authorized session while adding the shoppingcart entry.

### Possible field list

field	value description	info
ods_stand	storniert / bestellt	
ods	order number	
ods_extern_ref	external order ident	
ods_sst	interface nr of order	

### Example Request/Response

**Info:** In this example a single order is updated due to restricted api access. The authorized session is not needed with full access.

Request:

PUT

[http://example.cludes.com/api/371/orders/133078?t=1421226315&s=69f44b604cdb29993bb425bdd199ecd8&&ses=asdf1234&acc\\_s=981fde79ef644354c3a7ad3e943e53ae](http://example.cludes.com/api/371/orders/133078?t=1421226315&s=69f44b604cdb29993bb425bdd199ecd8&&ses=asdf1234&acc_s=981fde79ef644354c3a7ad3e943e53ae)

```
{"ods_stand": "storniert"}
```

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : {
    "ods_stand" : "storniert",
    "ods" : "133078"
  }
}
```

**Info:** In this example a list of orders is submitted to the api orders endpoint. This resource can only be used with full access to this endpoint.

Request:

PUT

<http://example.cludes.com/api/371/orders?t=1421226640&s=5fae2f5f063fcb82f69ca69b22c97264>

```
[
  {"ods_stand": "bestellt", "ods": "133078"},
  {"ods_stand": "storniert", "ods_extern_ref": "api-order-test-2", "ods_sst": "371"},
  {"ods": "133029", "ods_stand": "bezahlt", "ods_zahlungsart": "paypal"}
]
```

Response:

```
{
  "Message" : "",
```

```

"Status" : "success",
"data" : [
  {
    "ods_stand" : "bestellt",
    "entry_number" : 1,
    "update_state" : "success",
    "message" : "Successful updated order 133078 from entry number 1",
    "ods" : "133078"
  },
  {
    "ods_stand" : "storniert",
    "entry_number" : 2,
    "update_state" : "success",
    "message" : "Successful updated order 133077 from entry number 2",
    "ods" : "133077"
  },
  {
    "ods_stand" : "bezahlt",
    "error_message" : "Forbidden values in Request! Message: value bezahlt not allowed in
ods_stand! Must be one of (bestellt,storniert)",
    "entry_number" : 3,
    "update_state" : "error",
    "ods" : "133029",
    "ignored_fields" : "ods_zahlungsart,"
  }
]
}

```

## Usercomments

The usercomments resource can be used to create comments for an order or a customer or both or get a list of comments for a customer or order.

The usercomments is what you see at the bottom of the customer/order interface in cludes. Mostly used for history reason like customer contacts or further information for the order.

## GET (List of usercomments)

Supports filter: Yes

Parameters

Parameter	value	Description
filter	string	base64 string of filter json

**Note:** See the **Generating Filter Base64 String** Section for information about building a filter string.

**Possible filter fields:**

field	value description	info
crm_ods	string	order number to get a list of comments for this order
crm_kdn	int	customer number to get list of comments for this customer
crm_usr	int	user number to get a list of comments for this user
crm_date_create	datetime (yyyy-mm-dd hh:mm:ss)	date to get a list of comments from, before or after that date

### Example Request/Response

**Info:** The following request fetches a list of comments placed for a specified customer. The raw filter looks like this:

```
{"crm_kdn": {"o": "=", "v": "218678"}}
```

Request:

GET

<http://example.cludes.com/api/371/usercomments?t=1421241209&s=e0fbfb679261fb3f011d415c7d354396&filter=eyJjcm1fa2RuljogeyJvJjoglj0iLCAidil6IClyMTg2NzgifX0K%0A>

Reseponse:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : [
    {
      "crm_usr" : "0",
      "crm_ods" : "0",
      "crm" : "245",
      "crm_text" : "first customer comment",
      "crm_kdn" : "218678",
      "crm_date_create" : "0000-00-00 00:00:00",
      "key" : "crm"
    },
    {
      "crm_usr" : "51",
      "crm_ods" : "0",
      "crm" : "249",
      "crm_text" : "customer comment only",
      "crm_kdn" : "218678",
      "crm_date_create" : "2015-01-14 11:56:38",
      "key" : "crm"
    },
    {
      "crm_usr" : "51",
      "crm_ods" : "133077",
      "crm" : "251",
      "crm_text" : "comment customer and order!",
      "crm_kdn" : "218678",
      "crm_date_create" : "2015-01-14 12:11:27",
      "key" : "crm"
    }
  ]
}
```

**POST (create new usercomment)**

**Parameter**

Parameter	value	Description
ses	string	(required) session string of external system. For example the session of a customer logged in your shop.
acc_s	string	(optional) md5 hex signature of timestamp, customer mail and customer password. If you have no authorized session up to this point you can add the signature to request an authorized session while adding the entry.

### Possible field list

field	value description	info
crm_text	text (max 600 chars)	comment text of comment
crm_ods	order-id	order-id of order which is used for comment creation
crm_kdn	customer-id	Customer-ID of customer which is used for comment creation
crm_usr	User-ID for Backend	default value is the user configured in the interface configuration.

### Example Request/Response

**Info:** Request for adding a comment to a customer only. Full access

Request:

POST

<http://example.cludes.com/api/371/usercomments?t=1421232996&s=5cd6abfca5060bcfcb67374e4a973ac6>

```
{"crm_kdn": "218678", "crm_text": "comment customer only"}
```

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : {
```



```
"crm_usr" : "51",
"crm" : "249",
"crm_text" : "comment customer only",
"crm_state" : "success",
"crm_kdn" : "218678"
}
}
```

**Info:** Request for adding a comment to an order only. Full access

Request:

POST

<http://example.cludes.com/api/371/usercomments?t=1421232982&s=2632940d6ae87155f66ec7b2cabd1a5c>

```
{"crm_ods": "133077", "crm_text": "comment order only"}
```

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : {
    "crm_ods" : "133077",
    "crm_usr" : "51",
    "crm" : "248",
    "crm_text" : "comment order only",
    "crm_state" : "success"
  }
}
```

**Info:** Request for adding a comment to a customer and an order. Restricted access

Request:

POST

[http://example.cludes.com/api/371/usercomments?t=1421233885&s=e2b90913f2f781a1a10c8f7cf5542e03&&ses=session1234&acc\\_s=bccb7d699543bfc50e8f0766363e6a79](http://example.cludes.com/api/371/usercomments?t=1421233885&s=e2b90913f2f781a1a10c8f7cf5542e03&&ses=session1234&acc_s=bccb7d699543bfc50e8f0766363e6a79)

```
{"crm_kdn": "218678", "crm_ods": "133077", "crm_text": "comment customer and order"}
```

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : {
    "crm_ods" : "133077",
    "crm_usr" : "51",
    "crm" : "247",
    "crm_text" : "comment customer and order",
    "crm_state" : "success",
    "crm_kdn" : "218678"
  }
}
```

## Shippingcosts

This resource gives a list of shippingcosts for each country and each shipping type for the country. It supports filter for fetching information about a specific country by it's iso code.

### GET (List of Shippingcosts)

Supports filter: yes

#### Possible filter fields:

field	value description	info
cty_iso	string (DE, US etc.)	iso code of country

### Example Request/Response

**Info:** The used filter object looks like this: {"cty\_iso": {"o": "=", "v": "DE"}}

Request:

GET

<http://example.cludes.com/api/371/shippingcosts?t=1421681559&s=8731c7686953679c043112c046c06d60&filter=eyJjdHlfaXNvbjogeyJvbjogIj0iLCJERStJ9fQo%3D%0A>

Response:

```

{
  "Message" : "",
  "Status" : "success",
  "data" : [
    {
      "cty_name_en" : "",
      "cty_name" : "Deutschland",
      "cty_iso" : "DE",
      "cty_continent_code" : "EU",
      "cty_vdk_standard" : "2.30",
      "cty_vdk_nachnahme" : "6.00",
      "cty_vdk_express_sped" : "dpd",
      "cty_vdk_nachnahme_sped" : "dpd",
      "cty_vdk_express" : "13.00",
      "cty_vdk_standard_sped" : "dpd"
    }
  ]
}

```

## Voucher

### GET (get details of voucher)

Supports filter: yes

This resource is used to get the details of an existing voucher by it's code or code alias. The voucher code is generated in cludes while the code alias is the name which is used by the customer to redeem the voucher (for example christmas2015)

#### Parameter

field	value description	info
filter	string	filter for getting voucher. In this resource a filter is needed!

**Possible filter fields:**

field	value description	info
gts_code	string	cludes generated code of voucher
gts_code_alias	string	user generated code mostly used for external interaction
gts_eingeloest_ods	int	Number of order where the voucher was redeemed
gts_date_valid	date (yyyy-mm-dd)	Date until the voucher is valid
gts_eingeloest	string Y/N	shows whether the voucher is redeemed
gts_typ	string (einweg, mehrweg)	single voucher or multiple use voucher
gts_art	string (standard, marketing, bezahlterwg)	type of voucher
gts_eingeloest_date	date (yyyy-mm-dd hh:mm:ss)	Date of Redemption

### Get Single voucher by code alias

Example Request/Response :

**Info:** the used filter object looks the following:

```
{"gts_code_alias": {"o": "=", "v": "000422151229"}}
```

Request:

GET

<http://example.cludes.com/api/371/voucher?t=1421761453&s=841112e2c8a4e46033b9ef915bb74c71&filter=eyJndHNfY29kZV9hbGlhcyI6IHsibyl6ICI9IiwgInYiOiAiMDAwNDIyMTUxMjI5In19Cg%3D%3D%0A>

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : {
```

```
"gts_art" : "bezahltterwg",
"gts_erstbestellung" : "N",
"gts_date_create" : "2014-12-01 15:59:36",
"gts_date_valid" : "2016-12-31",
"gts" : "1229",
"gts_wert" : "50.00",
"gts_typ" : "einweg",
"gts_mindestbestellwert" : "0.00",
"gts_entwertet" : "45.00",
"gts_name" : "Christmas Special Voucher",
"gts_eingeloest" : "N",
"gts_pdt" : "0"
}
}
```

### Get list of vouchers by filter

Request:

GET

<http://example.cludes.com/api/371/voucher?t=1434538440&s=e636d499ffe44dd831c2396a131de22d&filter=eyJndHNfZWluZ2Vsb2VzdCI6IHsibyl6ICI9IiwgInYiOiAiWSJ9LCAiZ3RzX3R5cCI6IHsibyl6%0AICl9IiwgInYiOiAiZWlud2VnIn19Cg%3D%3D%0A>

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : [
    {
      "gts_art" : "",
      "gts_erstbestellung" : "N",
      "gts_date_create" : "0000-00-00 00:00:00",
      "gts_date_valid" : "2012-12-03",
      "gts" : "1",
      "gts_wert" : "3.00",
      "gts_typ" : "einweg",
      "gts_mindestbestellwert" : "0.00",
      "gts_entwertet" : "0.00",
      "gts_name" : "Gutschein",
      "gts_eingeloest" : "Y",
      "gts_pdt" : "3695"
    }
  ],
}
```

```

{
  "gts_art" : "",
  "gts_erstbestellung" : "N",
  "gts_date_create" : "2012-02-07 00:00:00",
  "gts_date_valid" : "2090-12-12",
  "gts" : "280",
  "gts_wert" : "3.80",
  "gts_typ" : "einweg",
  "gts_mindestbestellwert" : "0.00",
  "gts_entwertet" : "0.00",
  "gts_name" : "Gutschein",
  "gts_eingeloest" : "Y",
  "gts_pdt" : "3695"
},
],
"total" : 29
}

```

## PUT (Update/Redeem existing voucher )

This resource can be used to update the data of an existing voucher.

For example to redeem a voucher or to lower the rest value of the voucher. You can update a single voucher by passing it's number in the url.

### Parameters

#### Possible modification fields

field	description
gts_amount	(optional) Redemption amount for voucher

#### Info:

The voucher will be reduced by the given amount if it's salvage amount is sufficient. The result contains the salvage amount after the reduction and redeems the code.

Request:

PUT

<http://example.cludes.com/api/371/voucher/1228?t=1434624799&s=f26272ee8362417a63449b18ae96d291>

```
{"gts_amount": "10"}
```

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : {
    "gts_salvage" : "20.00",
    "gts_amount" : "10",
    "key" : "gts",
    "gts" : "1228"
  },
  "total" : 4
}
```

## Countries

### GET (get list of available countries)

Supports filter: no

This resource is used to get a list of available countries. Countries are only shown if they're not disabled in cludes.

#### Get country list

Example Request/Response :

Request:

<http://example.cludes.com/api/371/countries?t=1489565085&s=87fc55a5ad4072c9b3c1a4349a4b96ab>

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : [
    {
      "cty_iso" : "AL",
```

```

    "cty_name" : "Albanien",
    "cty_liefer_bonus" : "0.00",
    "cty_vdk_standard" : "0.00",
    "cty_vdk_nachnahme" : "0.00",
    "cty_vdk_express_sped" : "undefiniert",
    "cty_vdk_nachnahme_sped" : "undefiniert",
    "cty_vdk_express" : "0.00",
    "cty" : "3",
    "cty_vdk_standard_sped" : "undefiniert"
  },
  {
    "cty_iso" : "AD",
    "cty_name" : "Andorra",
    "cty_liefer_bonus" : "0.00",
    "cty_vdk_standard" : "0.00",
    "cty_vdk_nachnahme" : "0.00",
    "cty_vdk_express_sped" : "undefiniert",
    "cty_vdk_nachnahme_sped" : "undefiniert",
    "cty_vdk_express" : "0.00",
    "cty" : "5",
    "cty_vdk_standard_sped" : "undefiniert"
  },
  "total" : 2,
}

```

## Brands

### GET (List of brands)

Supports filter: yes

With this resource it is possible to get a list of brands or a single brand which are stored in the central brands administration in cludes. If used with a shop plugin only those are listed which have active articles (no variants) for the shop (if the api is not configured for "all" article).

#### Parameter

field	value description	info
filter	string	filtering the requested result.

#### Possible filter fields:



field	value description	info
bnd	int	primray key of brand
bnd_name	string	name of brand equals or contains the given filterstring
bnd_desc	string	description of brand equals or contains the given filterstring

Example Request / Response

### Get single brand by number

Request

<http://example.cludes.com/api/371/brands/2?t=1489566110&s=35aafc360b996ff7135f936d86966ddd>

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : [
    {
      "bnd_desc" : "",
      "bnd_name" : "Testing Brand",
      "bnd_img" : "",
      "bnd_delete" : "N",
      "bnd" : "2",
      "bnd_date_change" : "0000-00-00 00:00:00",
      "bnd_block_on_sst" : "",
      "bnd_date_create" : "2016-09-07 15:02:02"
    }
  ],
  "total" : 1
}
```

### Get brands by name

Used filter: {"bnd\_name":{"o":"LIKE","v":"Test%"}}

Request:

<http://example.cludes.com/api/371/brands?t=1489573474&s=72b0a49d35579b4a1bc5ad74cdec660f&filter=eyJibmRfbmFtZSI6eyJvIjoieTEILRSIsInYiOiJUZlR0JSJ9fQo%3D%0A>

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : [
    {
      "bnd_desc" : "",
      "bnd_name" : "Testing Brand",
      "bnd_img" : "",
      "bnd_delete" : "N",
      "bnd" : "2",
      "bnd_date_change" : "0000-00-00 00:00:00",
      "bnd_block_on_sst" : "",
      "bnd_date_create" : "2016-09-07 15:02:02"
    }
  ],
  "total" : 1
}
```

## Shopdocuments

### GET (list of shop documents)

Supports filter: no

This resource is mainly used by cludes shops to get the information like revocation and so on from the translation system.

Example Request / Response:

Request:

<http://example.cludes.com/api/371/shopdocuments?t=1489573597&s=086185c48828d6d849c8337fddd2f752>

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : {
    "revocation" : {
      "de" : "Hier Widerrufsbelehrung für Shop eintragen (HTML)"
    },
    "privacy" : {
      "de" : "Datenschutzerklärung für Shop (id=30001)"
    },
    "conditions" : {
      "de" : "<span class=\"srt_text_headline\">Hier bitte Ihre AGB's
eintragen</span><br><br>\n<span class=\"srt_text\">\nPlatz für Ihre AGB's\n</span>"
    }
  },
  "total" : 1
}
```

## Manufacturers

### GET (List of manufacturers)

Supports filter: no

Get a list of manufacturers defined as strings in the products grouped by the manufacturer string.

Example Request / Response:

Request:

<http://example.cludes.com/api/371/manufacturers?t=1489573778&s=f127016acb099d44129a5e65517f4edd>

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : {
    "manufacturers" : [
      "Hersteller",

```

```

        "Hersteller 1",
        "Hersteller 2",
        "Hersteller durch API",
        "Herstellername 1",
        "Herstellername1",
        "Herstellername11",
        "hier_hersteller",
    ],
    "total" : 1
}

```

## Cattributes (Shop only)

### GET (List of product attributes)

Supports filter: yes

This resource is used to get a list of attributes for the filter function in a cludes shop by a category. It returns all attributes of products which have the given category assigned.

#### Parameter

field	value description	info
filter	string	filtering the requested result.

#### Possible filter fields:

field	value description	info
kat	int	primary key of the category

Example Request / Response:

Request:

<http://example.cludes.com/api/371/cattributes?t=1489574087&s=2be463f67c9a5ecdfc6ef955ab104062&filter=eyJrYXQiOmsibyI6IjoiLCJ2IjoieMjg2MSJ9fQo%3D%0A>

Response:

```
{
```

```
"Message" : "",
"Status" : "success",
"data" : {
  "32" : {
    "values" : [
      "N",
      "UNDEF"
    ],
    "ael_name" : "MeeresfrÃœchte",
    "ael_format" : "ENUM"
  },
  "33" : {
    "values" : [
      "N",
      "UNDEF"
    ],
    "ael_name" : "Fruktose",
    "ael_format" : "ENUM"
  },
  "21" : {
    "values" : [
      "N",
      "UNDEF"
    ],
    "ael_name" : "Imun: Gluten",
    "ael_format" : "ENUM"
  },
  "673" : {
    "values" : [
      "GU10"
    ],
    "ael_name" : "Fassung / Sockel",
    "ael_format" : "CHAR"
  },
}
```

## Payments (with shop only)

### GET (List of payment methods)

Supports filter: no

This resource is used to get a list of available payment methods for the configured shop.

Example Request / Response:

Request:

<http://example.cludes.com/api/371/payments?t=1489574195&s=3f77ed2b8b42e0bf75f4bb666581ef37>

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : [
    {
      "short" : "ue",
      "institute" : "-",
      "iban" : "-",
      "name" : "Vorkasse / &Uuml;berweisung",
      "type" : "ueberweisung",
      "bic" : "-"
    },
    {
      "short" : "ls_de",
      "name" : null,
      "type" : null
    },
    {
      "short" : "pp",
      "name" : "PayPal",
      "type" : "paypal"
    },
    {
      "short" : "ap",
      "seller_id" : "",
      "name" : "Amazon Payments",
      "client_id" : "",
      "type" : "amazon_payments"
    },
    {
      "short" : "kk",
      "name" : "Kreditkarte",
      "type" : "kk"
    }
  ]
}
```

```
    }  
  ],  
  "total" : 5  
}
```

## Paypal (only with shop)

Supports filter: no

This resource is used to register a payment via paypal with the paypal gateway configured in cludes for the shop. The resource registers the payment or does the final payment request.

## Documents

### GET (single document)

Supports filter: no

Get different pdf and text files from the server, for example delivery notes, invoices, labels of shipping services and so on. The documents are always given by a specific number (like order number, credit number etc.)

### Parameter

field	value description	info
type	string	the document type. can be one of the following: invoice, label, delivery, credit, proforma, offer
label_type	string	the shipping service of the label. can be one of the following: ups, dhl, dpd, gls, hermes, prime, dachser

When downloading a label the "label\_type" is optional, if none is specified the shipping service gets selected from the given order and is used to return the label.

Example Request / Response:

Request:

http://example.cludes.com/api/371/document/133878?t=1489575588&s=5dddff18f7767d4c63f876647d84cbaa&type=label

The Response will be the raw pdf file which can be stored directly as a file.  
If the document does not exist or a parameter is missing you'll get an error message like the following:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : {
    "error_message" : "Requested file (invoice) does not exist for ident 133878",
    "status_code" : "error"
  },
  "total" : 1
}
```

## Accounting

### GET (List of accounting data)

Supports filter: no

The resource is used to get accounting data from the cludes system within a given time span.

#### Parameter

field	value description	info
from	date (yyyy-mm-dd)	the start date for the accounting data. for example: 2016-01-01
to	date (yyyy-mm-dd)	the end date for the account data. for example: 2017-01-01

Example Request / Response:

Request:



http://example.cludes.com/api/371/accounting?t=1489575816&s=8e76312bf6dd472f756161c9e710881d&from=2016-01-01&to=2016-02-01

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "data" : [
    {
      "kdn_land" : "DE",
      "UID" : "",
      "ods_sst_ref2" : "",
      "sst" : "297",
      "brutto" : "18.00",
      "netto" : "15.13",
      "lad_land" : "DE",
      "kdn_name" : "Test",
      "kdn" : "226261",
      "fremd" : "0.00",
      "lad_plz" : "41239",
      "rdatum" : "2016-01-06",
      "ref" : "",
      "kdn_firma" : "cludes GmbH",
      "gs" : "0",
      "invoice" : "R133652",
      "ods_pack_id" : null,
      "ods_fremd_vkosten" : "0",
      "datum" : "06.01.2016",
      "kdn_vname" : "Rene",
      "lad_ort" : "Moenchengladbach",
      "mainfremd" : "0.00",
      "daten" : {
        "19.00" : "18.00"
      },
      "debitor" : "226261",
      "vkosten" : "0",
      "ods_packid" : "114666",
      "xkdn" : "226261",
      "bhtext" : "Test, Forename",
      "ndaten3" : {
        "19.00" : "15.126"
      },
    }
  ]
}
```

```
"iso" : "EUR",
"zahldatum" : "2015-12-30",
"ods_pay_ref" : null,
"maingpreis" : "18.00",
"ndaten" : {
"19.00" : "15.13"
},
"kdn_mail" : "test@cludes.de",
"haben" : {
"19.00" : "8400"
},
"gepos" : "18.00",
"ods" : "R133652"
},
{
"kdn_land" : "DE",
"UID" : "",
"ods_sst_ref2" : "",
"sst" : "297",
"brutto" : "44.00",
"netto" : "36.97",
"lad_land" : "DE",
"kdn_name" : "Test",
"kdn" : "226284",
"fremd" : "0.00",
"lad_plz" : "41239",
"rdatum" : "2016-01-20",
"ref" : "",
"kdn_firma" : "cludes GmbH",
"gs" : "0",
"invoice" : "R133681",
"ods_pack_id" : null,
"ods_fremd_vkosten" : "0",
"datum" : "20.01.2016",
"kdn_vname" : "Rene",
"lad_ort" : "Moenchengladbach",
"mainfremd" : "0.00",
"daten" : {
"19.00" : "44.00"
},
"debitor" : "226284",
"vkosten" : "0",
"ods_packid" : "114696",
```

```
"xkdn" : "226284",
"bhtext" : "Test, Forename",
"ndaten3" : {
  "19.00" : "36.975"
},
"iso" : "EUR",
"zahldatum" : "2016-01-20",
"ods_pay_ref" : null,
"maingpreis" : "44.00",
"ndaten" : {
  "19.00" : "36.97"
},
"kdn_mail" : "test@cludes.de",
"haben" : {
  "19.00" : "8400"
},
"gepos" : "44.00",
"ods" : "R133681"
},
"total": "2"
}
```

## Resetpassword (Shop)

Supports filter: no

This resource is used to reset the password for a customer. It generates a link and sends it to e-mail address of a customer. The link is valid as long as the session is, when clicking this link a new password can be entered.

## Suppliers

**GET (List of suppliers)**

**Stocks (with shop only)**

**GET (List of stocks and prices)**

Supports filter: yes

This resource is used to get the stocks and the selling price of products which are configured as active. It also checks the pricegroup in the session to select the pricegroup prices of the product.

### Parameter

field	value description	info
filter	string	filtering the requested result.

### Possible filter fields:

field	value description	info
pdt_list	string	a comma seperated list of product numbers

Used filter string:

```
{"pdt_list":{"o":"=", "v":"100106707,100106705"}}
```

Example Request / Response:

Request:

```
http://example.cludes.com/api/371/stocks?t=1489576411&s=05b1233a2a629f55e75f6eefc3c94809&filter=eyJwZHRfbGlzdCI6eyJvIjoPSIsInYiOiIxMDAxMDY3MDcsMTAwMTA2NzA1In19Cg%3D%3D%0A
```

Response:

```
{
  "Message" : "",
  "Status" : "success",
  "real_total" : 2,
  "data" : {
    "100106707" : {
      "pdt" : "100106707",
      "pdt_baseprice" : "490.00",
      "pdt_preis_vk" : "49.00",
      "pdt_lager_final" : "482",
      "pdt_baseprice_text" : "490.00 &euro; / 100 ml",
      "pdt_preis_vk_alt" : "0.00"
    }
  }
}
```

```
    },
    "100106705" : {
      "pdt" : "100106705",
      "pdt_baseprice" : "98.00",
      "pdt_preis_vk" : "49.00",
      "pdt_lager_final" : "30",
      "pdt_baseprice_text" : "98.00 &euro; / 100 ml",
      "pdt_preis_vk_alt" : "0.00"
    }
  },
  "total" : 1
}
```

FAQ