Reference Table

1 Intro

1.1 API Content

CDiscount's API provides a set of methods to retrieve products and to perform cart operations.

To retrieve products, a Search() method can be used to get product from keywords. If you know the product ID or EAN, you can directly retrieve it with the GetProduct() method.

To perform cart operations, you can use the method PushToCart() to add items to a new cart or an existing cart, and display a cart content with the GetCart() method.

1.2 API URL

The API is accessible from the URL : http://api.cdiscount.com/OpenApi/json/{method}

1.3 Request format

The request to the API must be perform via a POST request with Json parameters.
API sends responses in Json.

2 Queries

2.1 GetProduct()

2.1.1 Description

Returns 1 to 5 products based on theirs Ids (EAN or ID).
URL: http://api.cdiscount.com/OpenApi/json/getproduct

2.1.2 Query Structure

Name	Type	Description	Required	Default
ApiKey	String	Your API key	true	
ProductRequest	*Object*	*Contains the request parameters*	*true*	
ProductRequest.ProductIdList	Array	1 to 5 Products Ids	EAN **OR** ID	
ProductRequest.EANList	Array	1 to 5 Products EANs	required	
ProductRequest.Scope	*Object*	*List of Boolean to include additional information in the Product response*		
ProductRequest.Scope.Offers	Boolean	Returns all the offers available (object Offers in the response). If set to false, only the bestOffer will be returned	true	
ProductRequest.Scope.AssociatedProducts	Boolean	Returns a list of associated products (object AssociatedProducts in the response)	true	
ProductRequest.Scope.Ean	Boolean	Returns the EAN code of the product	true	
ProductRequest.Scope.Images	Boolean	Returns a list of product images (object Images in the response)	true	

Ex.

```
{
    "ApiKey" : "{YourKey}",
    "ProductRequest":
    {
        "ProductEANList" : [],
        "ProductIdList" : ["bunnikd3100ktat4","MD513NFA"],
        "Scope" : {
            "Offers" : false,
            "AssociatedProduct" : false,
            "Ean": false
            "Images" : true
        }
    }
}
```

2.1.3 Response

Response in Json:

```
{
    "Products": [
        {Product1},
        {Product2},
        ...
        {ProductN}]
}
```

Name	Type	Description
Products	Array	Contains between 1 and 5 Products objects

2.2 Search()

2.2.1 Description

Searches products by keywords. This function also provides filters, sorting and pagination options. It can retrieve up to 100 products.

URL: http://api.cdiscount.com/OpenApi/json/search

2.2.2 Query Structure

Name	Type	Description	Required	Default
ApiKey	String	Your API key	true	
SearchRequest	*Object*	*Contains the request parameters*		
SearchRequest.Keyword	String	Search term	true	
SearchRequest.SortBy	String	Sort the results. Available values : *relevance, minprice, maxprice, rating*	false	relevance
SearchRequest.*Pagination*	*Object*	*Provides pagination options*		
SearchRequest.Pagination.ItemsPerPage	Integer	Number of products to return per page Min : 1, Max : 10	true	
SearchRequest.Pagination.CurrentPageNumber	Integer	Page to return. Pages starts at 0. If you enter a number greater than the number of pages, the API will return the last page available.	true	
SearchRequest.*Filters*	*Object*	*Provides Filter options*		
SearchRequest.*Filters.Price*	*Object*	*To filter the search on Price (in Euros)*		
SearchRequest.Filters.Price.Min	Integer	Minimum price. Disabled if set to 0	true	
SearchRequest.Filters.Price.Max	Integer	Maximum price. Disabled if set to 0	true	
SearchRequest.Filters.Navigation	String	Products shelves you want to filter the search on. Available values are : *all, pets, kitchen, vehicles, baggage, luxury, tools, shoes, packaging, entertainment, home, hardware, appliances, electronics, grocery, cosmetics, computers, musical instruments, garden, toys, books, haberdashery, furniture, cameras, childcare, sport, phones, tv-audio, clothing, wines-spirits* This is a beta feature and these values may change.	true	
SearchRequest.Filters.IncludeMarketPlace	Boolean	Include the marketplace products and offers	true	
SearchRequest.Filters .Brands	Array	String Array containing the brands you want to filter the search on. You can leave the Array empty to not filter on brands.	true	
SearchRequest.Filters .Condition	String	Products conditions. Available values : *new, used, all*	true	

Ex.

```
{
    "ApiKey": "{YourKey}",
    "SearchRequest":
    {
```

```
        "Filters":
         {
            "Brands": [],
            "Condition": "new",
            "IncludeMarketPlace": false,
            "Navigation": null,
            "Price":
            {
                "Max": 0,
                "Min": 0
            }
         },
         "Keyword": "ipad",
         "Pagination":
         {
            "ItemsPerPage": 10,
            "PageNumber": 0
         },
         "SortBy": "relevance"
         }
}
```

2.2.3   Response

Response in Json:

```
{
    "ItemCount" : 150,
    "PageCount" : 5,
    "PageNumber" : 1,
    "Products" : [
        {Product1},
        {Product2}
        ...
        {ProductN}]
}
```

Name	Type	Description
ItemCount	Integer	Contains the total number of products matching the query (100 max)
PageCount	Integer	Contains the total number of pages.
PageNumber	Integer	Contains the current page number.
Products	Array	Contains an array of Products objects

2.3   GetCart()

2.3.1   Description
Retrieves the content of a specific shopping cart.
URL: http://api.cdiscount.com/OpenApi/json/getcart

2.3.2   Query structure

Name	Type	Description	Required	Default
ApiKey	String	Your API key	true	
CartRequest	*Object*	*Contains the request parameters*		
CartRequest.CartGUID	String	Cart to retrieve	true	

Ex.

```
{
    "ApiKey": "{YourKey}",
    "CartRequest" :
    {
        "CartGUID" : "55de6752-d28a-4113-8843-78824e2b7a73"
```

```
        }
}
```

2.3.3 Response

Response in Json :

```
{
    "ArticleCount" : 4,
    "CartGUID" : "55de6752-d28a-4113-8843-78824e2b7a73",
    "CheckoutUrl" : "http://www.cdiscount.com/OpenAPI/xxxxx",
    "CreationDate" : "2014-05-09",
    "Items" : [
        {CartItem1},
        {CartItem2}
    ],
    "ProductCount" : 2,
    "TotalOrderPrice" : 273.5900,
    "UpdateDate" : "2014-05-09"
}
```

Name	Type	Description	Nullable
Total Quantity	Integer	Number of items in the cart.	False
CartGUID	String	Id of the cart	False
CheckoutURL	String	URL to redirect the user to the cart page on Cdiscount.com website	False
CreationDate	Datetime	Creation date	False
Items	Array	Contains an array of Cart Item objects	False
Productcount	Integer	Number of distinct products in the cart	False
TotalPrice	Number	Total price of the cart	False
UpdateDate	Datetime	Last update date	False

2.4 PushToCart()

2.4.1 Description

Add or Remove one product in a shopping cart. If an ID is specified, it updates it. Else, a new shopping cart is created.
URL: http://api.cdiscount.com/OpenApi/json/pushtocart

2.4.2 Query structure

Name	Type	Description	Required	Default
ApiKey	String	Your API key	true	
PushToCartRequest	*Object*	*Contains the request parameters*		
PushToCartRequest.CartGUID	String	If you want to update an existing cart, you must enter the Cart Id of this Cart. If you leave this field empty, it will create a new Cart.	false	
PushToCartRequest.OfferId	String	If you want to buy a product on a specific Offer (a marketplace offer for instance), you must enter its Id. If you leave this field empty, it will use the default offer for this product. If it is a Cdiscount offer, the OfferId is identical to the ProductId	true	
PushToCartRequest.ProductId	String	Id of the product to add to the cart	true	
PushToCartRequest.Quantity	Integer	Number of items you want to add to the cart.	true	
PushToCartRequest.SizeId	String	If the product is a variant product (clothes, …) you must specify the sizeId	false	

Ex.

```
{
    "ApiKey": "{YourKey}",
    "PushToCartRequest":
    {
        "CartGUID": null,
```

```
            "Condition": 0,
            "CustomerNumber": null,
            "OfferId": "MD513NFA",
            "ProductId": "MD513NFA",
            "Quantity": 1,
            "SellerId": null,
            "SizeId": null
        }
    }
}
```

2.4.3   Response

The response returns the CartId and the URL to redirect the user to the cart page on Cdiscount.com website.

Response in Json:

```
{
    "CartGUID" : "c6042719-e8e9-4f84-935b-5e738d35df6c",
    "CheckoutURL" : "http://www.cdiscount.com/OpenAPI/xxxxx"
}
```

Name	Type	Description	Nullable
CartGUID	String	Id of the cart	False
CheckoutURL	String	URL to redirect the user to the cart page on Cdiscount.com website	False

2.4.4   Removing a product from the cart

To remove a product from a cart, you must set the cartGUID, the productId of the product you want to remove and set the quantity to 0.

3 Objects

3.1 Product

This object is returned from GetProduct() and Search(). It contains all information on a Product.

Name	Type	Description	Nullable
Id	String	Id	False
Name	String	Name	False
Description	String	Description	True
Ean	String	EAN Code	True
Brand	String	Brand	False
MainImageUrl	String	Product main picture URL	False
Rating	Number	Rating (value between 0 and 5 included)	False
OffersCount	Integer	Number of other Offers available for this Product	False
BestOffer	Object	Returns the best Offer. (Best price among all offers). This object can be null if it is not available for sale (out of stock).	True
Images	Array	Array of Image objects. Contains Product pictures	True
Offers	Array	Array of Offer objects. Contains all available offers for this product. Retrieves up to 6 offers. Available only if Scope.Offers is set to true in the query	True
AssociatedProducts	Array	Array of Product objects. Contains Associated products Available only if Scope.AssociatedProducts is set to true in the query	True

3.2 Offer

A single product has one offer per seller. A seller can be Cdiscount or from the Marketplace.

Name	Type	Description	Nullable
Id	String	Id of the Offer. If the Offer is a Cdiscount Offer (not a Marketplace one), the ProductId is used as the OfferId	False
Condition	String	Product's condition (New or Used)	False
IsAvailable	Boolean	Set to true if the product is available for sale	False
ProductURL	String	URL to redirect the user to the product	False
SalePrice	Number	Product sale price	False
Seller	*Object*	*Contains information about the seller*	False
Seller.Id	Integer	Id of the seller	False
Seller.Name	String	Name of the seller	False
PriceDetail	*Object*	*Gives additional information about the price*	False
PriceDetail.ReferencePrice	Number	The reference price.	True
PriceDetails.Saving	*Object*	*Gives additional information about savings*	*True*
PriceDetails.Saving.Type	String	Saving Type (Amount, Percentage)	False
PriceDetails.Saving.Value	Number	Saving Value	False
PriceDetails.Discount	*Object*	*Gives additional information about potential discount*	*True*
PriceDetails.Discount.Type	String	Discount Type (Flash Sales, …)	False
PriceDetails.Discount.StartDate	Datetime	Discount Start Date	False
PriceDetails.Discount.EndDate	Datetime	Discount End Date	False
Shippings	Array	Array of Shipping objects. Each item is a shipping method	False

Sizes	Array	Array of Size objects. Contains the product price per size. Available only if the product is variant (multiple sizes for one product).	True

3.3   Shipping

Shipping method. Each Offer may have multiple shipping methods available.

Name	Type	Description	Nullable
Name	String	Shipping method name	False
DelayToDisplay	String	Shipping delay string to display delivery dates.	False
Price	Number	Shipping cost (in Euros)	False
MaxDeliveryDate	Datetime	Maximum estimated delivery date	False
MinDeliveryDate	Datetime	Minimum estimated delivery date	False

3.4   Image

Product image URL and its thumbnail URL.

Name	Type	Description	Nullable
ImageUrl	String	Image URL	False
ThumbnailUrl	String	Thumbnail URL	False

3.5   Size

Contains a product size and its price (Prices can differ per size)

Name	Type	Description	Nullable
Id	Int	Size Id	False
Name	String	Size name (ex. 32/30, 34/30, …)	False
SalePrice	Number	Sale price in Euros	False
IsAvailable	Boolean	Is the size available for sale	False

3.6   Cart Item

Information about an item stored in a shopping cart

Name	Type	Description	Nullable
Condition	String	"New" or "Used"	False
OfferId	String	Offer Id (if it is not the default offer)	True
Price	Number	Sale price in Euros	False
ProductId	String	Product Id	False
Quantity	Integer	Quantity in the cart for this product	False
SellerId	String	Seller Id (if it is a Marketplace Seller)	True
SizeId	String	Size Id (if it is a variant product)	True