OXID eSales
Documentation
ERP interface (SOAP)
Protocol version 2.15.0

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In spite of all efforts, the occurrence of mistakes cannot be eliminated completely.

Thus we appreciate any tips.

Conventions

The following typographical conventions are used in this document:

*cursive font*

used for file names, file paths, email addresses and URLs.

non-proportional font

used for code examples and names of code elements.

*Non-proportional cursive font*

used for navigation steps.

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About this document

This document describes the protocol version 2.15.0 of the ERP SOAP interface for OXID eShop version 6.0.0 and higher.

Older protocol versions are further on supported. For that purpose, the version parameter has to be set adequately when calling WSDL (see chapter 5).

Valid protocol versions are:

* 2.2.0
* 2.3.0
* 2.4.0
* 2.5.0
* 2.6.0
* 2.7.0
* 2.8.0
* 2.9.0
* 2.10.0
* 2.11.0
* 2.12.0
* 2.13.0
* 2.14.0
* 2.15.0

For details of each protocol version, refer to the according documentation.

# System requirements

The SOAP extension of PHP has to be installed.

# Installation

This chapter describes the installation of the ERP Soap interface for the OXID eShop versions 6. The ERP Soap interface has to be installed with composer, an application-level package manager for the PHP

Programming language.

To install the ERP module navigate to the folder where the *composer.json* is located and run the following commands.

composer config repositories.oxid-esales/erp-module composer https://erp.packages.oxid-esales.com
composer require oxid-esales/erp-module

Please contact our Technical Support to receive the necessary credentials.

## Activate module in OXID eShop

The ERP Soap interface has to be activated in the shop. In the **Overview** tab of the module, click the **Activate** button.

## Deleting temporary files

Delete all files and folders except for *.htaccess* from the */tmp* folder of your shop.

# Debugging SOAP communication

ERP version 2.10.0 and higher has SOAP communication debugging possibility implemented. It enables logging of full SOAP requests and responses by adding the following configuration constant to shop’s *config.inc.php* file:

//enable logging and specify log file:

$this->blErpLogging = true;

$this->sErpLogFile = "/home/eshop/log/erp.log";

ERP logging should be enabled for debug purposes only and disabled on production environment. All log files should be removed as soon as they are not needed anymore for the following reasons:

* Authentication information is stored in log files as part of SOAP communication information.
* Log files tend to grow very large.

# Show all available functions

The list of all available functions can be shown by calling the URL [*https://www.myeshop.com/oxideshop/modules/erp/oxerpservice.php?functions*](https://www.myeshop.com/oxideshop/modules/erp/oxerpservice.php?functions)*&version=2.15.0*

# Read WSDL

For reading the WSDL, call the URL

[*https://www.myeshop.com/oxideshop/modules/erp/oxerpservice.php?wsdl&version=2.15.0*](https://www.myeshop.com/oxideshop/modules/erp/oxerpservice.php?wsdl&version=2.15.0)

Note: Please do not call the WSDL file directly.

# Special data types

## Data type ‚OXERPType‘

### Get-functions

Each Get-function returns OXERPType type or an array of OXERPType types. Each OXERPType contains one object from eShop, e.g. a user, a product, a category and so on. The structure is as follows:

|  |  |
| --- | --- |
| **OXERPType** |  |
| aResult | String[][] |
| blResult | Bool |
| sMessage | String |

aResult is a 2-dimensional array containing the database field names and the data of each field. For example, if an user object from table oxuser is returned:

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Database field name** |  | **Field content** |
| aResult[0][0] | OXID | aResult[0][1] | 36944b76cc9604c53.04579642 |
| aResult[1][0] | OXACTIV | aResult[1][1] | 1 |
| aResult[2][0] | OXRIGHTS | aResult[2][1] | User |
| aResult[n][0] | … | aResult[n][1] | … |

Example aResult if a product is loaded:

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Database field name** |  | **Field content** |
| aResult[0][0] | OXID | aResult[0][1] | 36944b76cc9604c53.04579642 |
| aResult[1][0] | OXSHOPID[[1]](#footnote-1) | aResult[1][1] | 1 |
| aResult[2][0] | OXPARENTID | aResult[2][1] | 2077 |
| aResult[n][0] | … | aResult[n][1] | … |

* blResult is True or False and indicates if the function was executed without errors.
* sMessage contains an error message if blResult = False.

### Set- and Delete-functions

When using Set-Functions, objects (user, product, order etc.) are transferred in an OXERPType. The structure of OXERPType is the same as in Get-Functions.
If several objects are to be transferred, they have to be stored in an array containing OXERPType types.

If no OXID is set in OXERPType, the eShop creates an OXID and saves the object with this OXID to database.

The Set- and Delete-functions return OXERPType, too. In each returned OXERPType the OXID is saved in aResult[0][1]. blResult is True or False and indicates if the function was run successfully. If errors occurred, sMessage contains the error message.

### Subshop functionality

Starting from ERP interface version 2.14.0, the database fields OXSHOPINCL/OXSHOPEXCL are no longer supported. Instead of having these fields, multishop tables now have mapping tables (i.e. oxarticles table has oxarticles2shop mapping table).

In order to set some multishop table value for several shops with 2.14.0 version and higher, use OXINHERITEDSHOPIDS option. Example:

To set an article for shop 1 and 2, add the following option to the article array being passed:

OXINHERITEDSHOPIDS => array(1, 2)

To get the shop IDs for multishop tables, you can request OXINHERITEDSHOPIDS value and deserialize it. To do so, first set BlIncludeInheritedShopIds parameter when requesting table data:

$parameters = array('sSessionID' => $sid, 'sArticleID' => 'oxtestart1', 'blIncludeInheritedShopIds' => true);

$oResult = $this->\_soapCallERP('OXERPGetArticle', $parameters);

After that you can make a request for OXINHERITEDSHOPIDS:

$sShops = $this->\_soapGetFieldValue($oResult->aResult, "OXINHERITEDSHOPIDS")
// returns serialized array

$aShopIds = unserialize($sShops);

Note (For Professional Edition):

OXINHERITEDSHOPIDS must not be used.

## Data type ‚OXERPSort‘

In some Get-functions the results can be sorted. For doing so, an OXERPSort type has to be transferred. The structure of OXERPSort is:

|  |  |  |
| --- | --- | --- |
| **OXERPSort** | **Type** | **Sample values** |
| sFieldName | String | OXID or OXPRICE etc. |
| sType | String | ASC or DESC |

An Example for OXERPSort usage is given at OXERPGetArticles function description (chapter 7.16).

# Functions overview

## OXERPLogin

OXERPLogin logs in to eShop (or Subshop) and returns the session-ID. This session-ID is needed for all other function calls.

Only objects from the main shop/subshop the login is made for can be accessed[[2]](#footnote-2).

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sUserName | String | User name of admin |
| sPassword | String | Password of admin |
| iShopID | Integer | (sub-)shop ID |
| iLanguage | Integer | Language ID |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPLoginResult | OXERPType | Contains the session-ID in sMessage. This session-ID is needed for other functions. |

## OXERPSetUser

With OXERPSetUser several users can be created/updated.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aUser | OXERPType[] | Contains fields of *oxuser* table as described in 6.1. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetUserResult | OXERPType[] | In aResult[0][1] the particular OXID is stored and blResult is True or False. |

## OXERPGetUser

OXERPGetUser returns a user object for a given OXID.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sUserID | String | The OXID of the user. |

### Return Values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetUserResult | OXERPType | Contains fields of *oxuser* table as described in 6.1. |

## OXERPGetUsers

OXERPGetUsers returns several user objects.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| OXERPSort | OXERPSort | Contains the field name used for sorting and ASC or DESC for ascending or descending sorting. (see chapter 6.2). |
| iStart | Integer | Amount of objects which are skipped and not returned. |
| iCount | Integer | Limits amount of returned objects. |
| Timestamp | dateTime | Timestap after which users were , format: YYYY-MM-DD HH:MM:SS. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetUsersResult | OXERPType[] | Contains fields of *oxuser* table as described in 6.1. |

## OXERPDeleteUser

OXERPDeleteUser deletes a user from *oxuser* table.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sUserID | String | The OXID of the user to be deleted. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPDeleteUserResult | OXERPType | Contains the particular OXID.blResult indicates if delete was successful. |

## OXERPDeleteUsers

OXERPDeleteUsers deletes several users at once.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aUser | OXERPType[] | Each OXERPType must contain the OXID of a user. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPDeleteUsersResult | OXERPType[] | Contains the particular OXID for each deleted user.blResult indicates if a delete was successful. |

### Example

An example SOAP request for deleting 2 users:

<soapenv:Envelope

 xmlns:q0="OXERPService"

 xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"

 xmlns:xsd="http://www.w3.org/2001/XMLSchema"

 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

 <soapenv:Header>

 </soapenv:Header>

 <soapenv:Body>

 <q0:OXERPDeleteUsers>

 <q0:sSessionID>vjtavo1ulu7rrjj7mqgok3cim7</q0:sSessionID>

 <q0:aUser>

 <q0:OXERPType>

 <q0:aResult>

 <q0:ArrayOfString>

 <q0:string>OXID</q0:string>

 <q0:string>0m4479c88e2a2f2b4.53241736</q0:string>

 </q0:ArrayOfString>

 </q0:aResult>

 <q0:blResult>true</q0:blResult>

 </q0:OXERPType>

 <q0:OXERPType>

 <q0:aResult>

 <q0:ArrayOfString>

 <q0:string>OXID</q0:string>

 <q0:string>84t479c9f5e9c6715.46010945</q0:string>

 </q0:ArrayOfString>

 </q0:aResult>

 <q0:blResult>true</q0:blResult>

 </q0:OXERPType>

 </q0:aUser>

 </q0:OXERPDeleteUsers>

 </soapenv:Body>

</soapenv:Envelope>

## OXERPSetCategory

OXERPSetCategory writes several categories at once to *oxcategories* table.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aCategory | OXERPType[] | Contains the fields of *oxcategories* table. See also 6.1. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetCategoryResult | OXERPType[] | Contains the particular OXID for each category.blResult indicates if setting a category was successful. |

## OXERPGetCategory

OXERPGetCategory loads a category object for a given OXID.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sCategoryID | String | The ID of the category. |
| blIncludeInheritedShopIds(optional) | Boolean | Flag, which indicates whether to include inherited shop ID’s in response. By default it is false. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetCategoryResult | OXERPType | Contains fields of *oxcategories* table as described in 6.1. |

## OXERPGetCategories

OXERPGetCategories loads several categories at once.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| OXERPSort | OXERPSort | Contains the field name used for sorting and ASC or DESC for ascending or descending sorting. (see chapter 6.2). |
| iStart | Integer | Amount of objects which are skipped and not returned. |
| iCount | Integer | Limits amount of returned objects. |
| blIncludeInheritedShopIds(optional) | Boolean | Flag, which indicates whether to include inherited shop ID’s in response. By default it is false. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetCategoriesResult | OXERPType[] | Contains fields of *oxcategories* table as described in 6.1. |

## OXERPDeleteCategory

OXERPDeleteCategory deletes a category identified by its OXID.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sCategoryID | String | The ID of the category. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPDeleteCategoryResult | OXERPType | Contains the particular OXID.blResult indicates if delete was successful. |

## OXERPDeleteCategories

OXERPDeleteCategories deletes several categories at once.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aCategory | OXERPType[] | Each OXERPType must contain the OXID of a category. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPDeleteCategoriesResult | OXERPType[] | Contains the particular OXID for each deleted category.blResult indicates if a delete was successful. |

## OXERPSetArticle

OXERPSetArticle writes several products at once to *oxarticles* table.

Note: starting from ERP interface version 2.4.0 the OXSTOCKFLAG field has a default value 1 (if it is not specified while creating *new* article).

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aArticle | OXERPType[] | Contains the fields of *oxarticles* table. See also 6.1. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetArticleResult | OXERPType[] | Contains the particular OXID for each product. blResult indicates if an operation was successful. |

## OXERPGetArticle

OXERPGetArticle loads a product object for a given OXID.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sArticleID | String | The ID of the product. |
| blIncludeInheritedShopIds(optional) | Boolean | Flag, which indicates whether to include inherited shop ID’s in response. By default it is false. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetArticleResult | OXERPType | Contains the fields of *oxarticles* table. See also 6.1. |

## OXERPSetArtExtends

OXERPSetArtExtends writes extended product data of several products to the *oxartextends* table.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aArticle | OXERPType[] | Contains the fields of *oxartextends* table. See also 6.1. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetArtExtendsResult | OXERPType[] | Contains the particular OXID for each product. blResult indicates if an operation was successful. |

## OXERPGetArtExtends

OXERPGetArtExtends loads extended product data from oxartextends table.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sArticleID | String | The ID of the product. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetArtExtendsResult | OXERPType | Contains the fields of *oxartextends* table. See also 6.1. |

## OXERPGetArticles

OXERPGetArticles loads several products. A category can be given as parameter: then, only products within this category are loaded.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| OXERPSort | OXERPSort | Contains the field name used for sorting and ASC or DESC for ascending or descending sorting. (see chapter 6.2). |
| iStart | Integer | Amount of objects which are skipped and not returned. |
| iCount | Integer | Limits amount of returned objects. |
| sCategoryID(optional) | String | Contains the ID of the category from which products are to be loaded. |
| blIncludeInheritedShopIds(optional) | Boolean | Flag, which indicates whether to include inherited shop ID’s in response. By default it is false. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetArticlesResult | OXERPType[] | Contains the fields of *oxartextends* table. See also 6.1. |

### Example

Example SOAP request loading the first 2 products (iStart: 0, iCount: 2) from the category with OXID 30e44ab82c03c3848.49471214 sorted ascending OXPRICE:

<soapenv:Envelope

 xmlns:q0="OXERPService"

 xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"

 xmlns:xsd="http://www.w3.org/2001/XMLSchema"

 xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

 <soapenv:Header>

 </soapenv:Header>

 <soapenv:Body>

 <q0:OXERPGetArticles>

 <q0:sSessionID>elm3gqhofrntlienl2vgqg1fe1</q0:sSessionID>

 <q0:OXERPSort>

 <q0:sFieldName>OXPRICE</q0:sFieldName>

 <q0:sType>ASC</q0:sType>

 </q0:OXERPSort>

 <q0:iStart>0</q0:iStart>

 <q0:iCount>2</q0:iCount>

 <q0:sCategoryID>30e44ab82c03c3848.49471214</q0:sCategoryID>

 </q0:OXERPGetArticles>

 </soapenv:Body>

</soapenv:Envelope>

## OXERPDeleteArticle

OXERPDeleteArticle deletes a product.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sArticleID | String | The ID of the product to be deleted. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPDeleteArticleResult | OXERPType | Contains the particular OXID.blResult indicates if delete was successful. |

##

## OXERPDeleteArticles

OXERPDeleteArticles deletes several products at once.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aArticle | OXERPType[] | Each OXERPType must contain the OXID of a product. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPDeleteArticlesResult | OXERPType[] | Each OXERPType contains the particular OXID.blResult indicates if a delete was successful. |

## OXERPSetArticleFile

OXERPSetArticleFile writes several product files at once to *oxfiles* table.

Note: available from ERP interface version 2.10.0 on.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aArticleFile | OXERPType[] | Contains the fields of *oxfiles* table. See also 6.1. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetArticleFileResult | OXERPType[] | Contains the particular OXID for each product file. blResult indicates if an operation was successful. |

**Example of creating new downloadable product file record:**

1. Upload file via FTP or other file transfer protocol to shop folder: "/out/downloads/uploads/".
2. For manually uploaded files field "OXSTOREHASH" **must be empty**.
3. Specify only file name with extension (without path) in the field "OXFILENAME".
4. Call SOAP method: "OXERPSetArticleFile".

**Important**: Do not change field "OXSTOREHASH" content for files, uploaded via admin interface, because this field specifies file download location.

## OXERPGetArticleFile

OXERPGetArticleFile loads a product file object for a given OXID.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sArticleFileID | String | The ID of the product file. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetArticleFileResult | OXERPType | Contains the fields of *oxfiles* table. See also 6.1. |

## OXERPGetArticleFiles

OXERPGetArticleFiles loads several product files. An article ID can be given as parameter: then, only product files within this article are loaded.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| OXERPSort | OXERPSort | Contains the field name used for sorting and ASC or DESC for ascending or descending sorting. (see chapter 6.2). |
| iStart | Integer | Amount of objects which are skipped and not returned. |
| iCount | Integer | Limits amount of returned objects. |
| sArticleID(optional) | String | Contains the ID of the article from which product files are to be loaded. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetArticleFilesResult | OXERPType[] | Contains the fields of *oxfiles* table. See also 6.1. |

## OXERPDeleteArticleFile

OXERPDeleteArticleFile deletes a product file.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sArticleFileID | String | The ID of the product file to be deleted. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPDeleteArticleFileResult | OXERPType | Contains the particular OXID.blResult indicates if delete was successful. |

## OXERPDeleteArticleFiles

OXERPDeleteArticleFiles deletes several product files at once.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aArticleFile | OXERPType[] | Each OXERPType must contain the OXID of a product file. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPDeleteArticleFilesResult | OXERPType[] | Each OXERPType contains the particular OXID.blResult indicates if a delete was successful. |

Before deleting file records make sure, that where are no orders with reference to file record.

## OXERPSetArticleStock

OXERPSetArticleStock changes the stock of several products.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aArticleStock | OXERPType[] | In each OXERPType OXID and OXSTOCK must be set. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetArticleStockResult | OXERPType[] | Each OXERPType contains the particular OXID.blResult indicates if a stock update was successful. |

## OXERPGetArticleStock

OXERPGetArticleStock returns the stock of a product.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sArticleID | String | The OXID of the product. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetArticleStockResult | OXERPType | OXERPType contains the particular OXID.blResult indicates if operation was successful. |

## OXERPSetArticleCategory

OXERPSetArticleCategory assigns a Product to cetegories.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sArticleID | String | The OXID of the product. |
| aCategoryID | OXERPType[] | Each OXERPType has to contain a OXID of a category. |
| blDeleteOld | boolean | Delete old category assignment before inserting row. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetArticleCategoryResult | OXERPType[] | Each OXERPType contains the particular OXID of the *oxobject2category* table row. blResult indicates if each operation was successful. |

## OXERPGetArticleCategory

OXERPGetArticleCategory returns the category a product is assigned to.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sArticleID | String | The OXID of the product. |
| OXERPSort | OXERPSort | Contains the field name used for sorting and ASC or DESC for ascending or descending sorting. (see chapter 6.2). |
| iStart | Integer | Amount of objects which are skipped and not returned. |
| iCount | Integer | Limits amount of returned objects. |
| blIncludeInheritedShopIds(optional) | Boolean | Flag, which indicates whether to include inherited shop ID’s in response. By default it is false. |

###

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetArticleCategoryResult | OXERPType[] | Each OXERPType contains the values from *oxcategories* table. See also 6.1.  |

## OXERPSetMainArticleCategory

OXERPSetMainArticleCategory sets the main category for a product.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sArticleID | String | The OXID of the product. |
| sCategoryID | String | The OXID of the category to be set as main category. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetMainArticleCategoryResult | OXERPType[] | Each OXERPType contains the values from *oxcategories* table. See also 6.1.  |

## OXERPDeleteArticleCategory

OXERPDeleteArticleCategory deletes a category assignment from a product.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sArticle2CategoryID | String | The OXID of the *oxobject2category* entry which is to be deleted. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPDeleteArticleCategoryResult | OXERPType | Contains the particular OXID. blResult indicates if the operation was successful. |

## OXERPSetArticleAction

OXERPSetArticleAction assigns a product to one or more actions.
**Parameters**

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sArticleID | String | The OXID of the product. |
| aAction | OXERPType[] | Each OXERPType contains the OXID of an action. See also 6.1. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetArticleActionResult | OXERPType[] | Each OXERPType contains the OXID from *oxactions2article* table. See also 6.1.  |

## OXERPGetArticleAction

OXERPGetArticleAction returns the actions a product is assigned to.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sArticleID | String | The OXID of the product. |
| OXERPSort | OXERPSort | Contains the field name used for sorting and ASC or DESC for ascending or descending sorting. (see chapter 6.2). |
| iStart | Integer | Amount of objects which are skipped and not returned. |
| iCount | Integer | Limits amount of returned objects. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetArticleActionResult | OXERPType[] | Each OXERPType contains the values from *oxactions* table. See also 6.1. |

## OXERPDeleteActionsArticle

OXERPDeleteActionsArticle deletes an assignment of a product to an action.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sActions2ArticleID | String | The OXID of the *oxactions2article* table entry which is to be deleted. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPDeleteActionsArticleResult | OXERPType | Contains the particular OXID. blResult indicates if the operation was successful. |

## OXERPSetArticleCrossselling

OXERPSetArticleCrossselling assigns several crosssellings to a product.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sArticleID | String | The OXID of the product. |
| aArticle | OXERPType[] | Each OXERPType contains the OXID of a product to be assigned as crossselling. See also 6.1. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetArticleCrosssellingResult | OXERPType[] | Each OXERPType contains the particular OXID of the *oxobject2article* table entry.blResult indicates if each operation was successful. |

## OXERPGetArticleCrossselling

OXERPGetArticleCrossselling returns crosssellings assigned to a product.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sArticleID | String | The OXID of the product. |
| OXERPSort | OXERPSort | Contains the field name used for sorting and ASC or DESC for ascending or descending sorting. (see chapter 6.2). |
| iStart | Integer | Amount of objects which are skipped and not returned. |
| iCount | Integer | Limits amount of returned objects. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetArticleCrosssellingResult | OXERPType[] | Each OXERPType contains the values from *oxarticles* table. See also 6.1. |

##

## OXERPDeleteArticleCrossselling

OXERPDeleteArticleCrossselling deletes a crossselling assignment from a product.

(before v2.4.0 it was called OXERPDeleteCrossselling)

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sCrosssellingID | String | The OXID of the oxobject2article entry to be deleted. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPDeleteCrosssellingResult | OXERPType | Contains the particular OXID. blResult indicates if the operation was successful. |

## OXERPSetArticleScalePrice

OXERPSetArticlesScalePrice sets scale prices for a product.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sArticleID | String | The OXID of the product. |
| aArticleScalePrice | OXERPType[] | Each OXERPType has to contain the fields of *oxprice2article* table. See also 6.1. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetArticleScalePriceResult | OXERPType[] | Each OXERPType contains the particular OXID of the *oxprice2article* table entry.blResult indicates if each operation was successful. |

## OXERPGetArticleScalePrice

OXERPGetArticleScalePrice returns scale prices for a product.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sArticleID | String | The OXID of the product. |
| OXERPSort | OXERPSort | Contains the field name used for sorting and ASC or DESC for ascending or descending sorting. (see chapter 6.2). |
| iStart | Integer | Amount of objects which are skipped and not returned. |
| iCount | Integer | Limits amount of returned objects. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetArticleScalePriceResult | OXERPType[] | Each OXERPType contains the values of *oxprice2article* table fields. See also 6.1. |

## OXERPDeleteArticleScalePrice

OXERPDeleteArticleScalePrice deletes a scale price from a product.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sArticleScalePriceID | String | The OXID of of the oxprice2article entry to be deleted. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPDeleteArticleScalePriceResult | OXERPType | Contains the particular OXID. blResult indicates if the operation was successful. |

## OXERPSetArticleAccessoire

OXERPSetArticleAccessoire assigns several accessoires to a product.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sArticleID | String | The OXID of the product. |
| aArticle | OXERPType[] | Each OXERPType contains the OXID of a product to be assigned as accesory. See also 6.1. |

###

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetArticleAccessoireResult | OXERPType[] | Each OXERPType contains the OXID of new *oxaccessoire2article* table entries.blResult indicates if each operation was successful. |

## OXERPGetArticleAccessoire

OXERPGetArticleAccessoire returns accessoire products of a product.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sArticleID | String | The OXID of the product. |
| OXERPSort | OXERPSort | Contains the field name used for sorting and ASC or DESC for ascending or descending sorting. (see chapter 6.2). |
| iStart | Integer | Amount of objects which are skipped and not returned. |
| iCount | Integer | Limits amount of returned objects. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetArticleAccessoireResult | OXERPType[] | Each OXERPType contains the values of *oxarticles* table fields. See also 6.1. |

## OXERPDeleteAccessoireArticle

OXERPDeleteAccessoireArticle deletes an asseccoire assignment from a product.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sAccessoireArticleID | String | The OXID of the oxaccessoire2article table entry to be deleted. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPDeleteAccessoireArticleResult | OXERPType | Contains the particular OXID. blResult indicates if the operation was successful. |

## OXERPSetOrder

OXERPSetOrder creates new orders.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aOrder | OXERPType[] | Each OXERPType contains the values of *oxorder* table fields. See also 6.1. |

If 0 or nothing is set for OXORDERNR field, the eShop automatically creates a new Order number. For this, the highest order number is taken and increased by 1.

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetOrderResult | OXERPType[] | Each OXERPType contains the OXID of new *oxorder* table entries. Also contains the OXORDERNR value.blResult indicates if each operation was successful. |

## OXERPGetOrder

OXERPGetOrder returns an order for a given order OXID.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sOrderID | String | The OXID of the order. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetOrderResult | OXERPType | Contains the values of *oxorder* table fields. See also 6.1. |

## OXERPGetOrders

OXERPGetOrders returns several orders. By Timestamp parameter, only orders made after a certain point of time can be returned.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| OXERPSort | OXERPSort | Contains the field name used for sorting and ASC or DESC for ascending or descending sorting. (see chapter 6.2). |
| iStart | Integer | Amount of objects which are skipped and not returned. |
| iCount | Integer | Limits amount of returned objects. |
| Timestamp | dateTime | Point of time starting from which orders are returned. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetOrdersResult | OXERPType[] | Each OXERPType contains the values of *oxorder* table fields. See also 6.1. |

## OXERPDeleteOrder

OXERPDeleteOrder deletes deletes an order.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sOrderID | String | The OXID of the order to be deleted. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPDeleteOrderResult | OXERPType | Contains the particular OXID. blResult indicates if the operation was successful. |

## OXERPDeleteOrders

OXERPDeleteOrders deletes several orders at once.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aOrder | OXERPType[] | Each OXERPType contains the OXID of an order to be deleted. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPDeleteOrdersResult | OXERPType[] | Each OXERPType contains a particular OXID. blResult indicates if each operation was successful. |

##

## OXERPSetOrderArticle

OXERPSetOrderArticle sets products to an order.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aOrderArticle | OXERPType[] | Each OXERPType contains the values of *oxorderarticles* table fields. See also 6.1. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetOrderArticleResult | OXERPType[] | Each OXERPType contains a particular OXID. blResult indicates if each operation was successful. |

## OXERPGetOrderArticle

OXERPGetOrderArticle returns the articles of an order.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sOrderID | String | The OXID of the product. |
| OXERPSort | OXERPSort | Contains the field name used for sorting and ASC or DESC for ascending or descending sorting. (see chapter 6.2). |
| iStart | Integer | Amount of objects which are skipped and not returned. |
| iCount | Integer | Limits amount of returned objects. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetOrderArticleResult | OXERPType[] | Each OXERPType contains a particular OXID. blResult indicates if each operation was successful. |

## OXERPDeleteOrderArticle

OXERPDeleteOrderArticle deletes a product from an order.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sOrderArticleID | String | Contains the OXID of the *oxorderarticles* entry to be deleted. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPDeleteOrderArticleResult | OXERPType | Contains the particular OXID. blResult indicates if the operation was successful. |

## OXERPSetOrderArticleFile

OXERPSetOrderArticleFile sets product files to an order.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aOrderArticleFile | OXERPType[] | Each OXERPType contains the values of *oxorderfiles* table fields. See also 6.1. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetOrderArticleFileResult | OXERPType[] | Each OXERPType contains a particular OXID. blResult indicates if each operation was successful. |

## OXERPGetOrderArticleFile

OXERPGetOrderArticleFile returns the product file of an order.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sOrderArticleFileID | String | The OXID of the order article file. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetOrderArticleFileResult | OXERPType | OXERPType contains a particular OXID. blResult indicates if operation was successful. |

## OXERPGetOrderArticleFiles

OXERPGetOrderArticleFiles returns the product files of an order.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sOrderID | String | The OXID of the order. |
| OXERPSort | OXERPSort | Contains the field name used for sorting and ASC or DESC for ascending or descending sorting. (see chapter 6.2). |
| iStart | Integer | Amount of objects which are skipped and not returned. |
| iCount | Integer | Limits amount of returned objects. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetOrderArticleFilesResult | OXERPType[] | Each OXERPType contains a particular OXID. blResult indicates if each operation was successful. |

## OXERPDeleteOrderArticleFile

OXERPDeleteOrderArticleFile deletes a product file from an order.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sOrderArticleFileID | String | Contains the OXID of the *oxorderfiles* entry to be deleted. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPDeleteOrderArticleFileResult | OXERPType | Contains the particular OXID. blResult indicates if the operation was successful. |

## OXERPSetOrderStatus

OXERPSetOrderStatus sets values for OXERPSTATUS fields in *oxorderarticles* table.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aOrderStatus | OXERPType[] | Each OXERPType contains the fields OXID, OXERPSTATUS\_STATUS, OXERPSTATUS\_TIME and OXERPSTATUS\_TRACKID[[3]](#footnote-3). See also 6.1. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetOrderStatusResult | OXERPType[] | Each OXERPType contains a particular OXID. blResult indicates if each operation was successful. |

## OXERPSetVendor

OXERPSetVendor creates new vendors.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aVendor | OXERPType[] | Each OXERPType contains the values of *oxvendor* table fields. See also 6.1. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetVendorResult | OXERPType[] | Each OXERPType contains a particular OXID. blResult indicates if each operation was successful. |

## OXERPGetVendor

OXERPGetVendor returns a vendor.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sVendorID | String | The OXID of the vendor. |
| blIncludeInheritedShopIds(optional) | Boolean | Flag, which indicates whether to include inherited shop ID’s in response. By default it is false. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetVendorResult | OXERPType | Contains the values of *oxvendor* table fields. See also 6.1. |

##

## OXERPGetVendors

OXERPGetVendors returns several vendors.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| OXERPSort | OXERPSort | Contains the field name used for sorting and ASC or DESC for ascending or descending sorting. See also 6.2. |
| iStart | Integer | Amount of objects which are skipped and not returned. |
| iCount | Integer | Limits amount of returned objects. |
| blIncludeInheritedShopIds(optional) | Boolean | Flag, which indicates whether to include inherited shop ID’s in response. By default it is false. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetVendorsResult | OXERPType[] | Each OXERPType contains the values of *oxvendor* table fields. See also 6.1. |

## OXERPDeleteVendor

OXERPDeleteVendor deletes a vendor.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sVendorID | String | The OXID of the vendor to be deleted. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPDeleteVendorResult | OXERPType | Contains the particular OXID. blResult indicates if the operation was successful. |

## OXERPDeleteVendors

OXERPDeleteVendors deletes several vendors at once.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aVendor | OXERPType[] | Each OXERPType has to contain the OXID of a vendor to be deleted. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPDeleteVendorsResult | OXERPType[] | Each OXERPType contains the particular OXID. blResult indicates if each operation was successful. |

## OXERPSetArticleVendor

OXERPSetArticleVendor assigns a vendor to a product.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sArticleID | String | The OXID of the product. |
| sVendorID | String | The OXID of the vendor. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetArticleVendorResult | OXERPType | Contains the particular OXID. blResult indicates if the operation was successful. |

## OXERPGetArticleVendor

OXERPGetArticleVendor returns the vendor assigned to a product.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sArticleID | String | The OXID of the product. |
| blIncludeInheritedShopIds(optional) | Boolean | Flag, which indicates whether to include inherited shop ID’s in response. By default it is false. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetArticleVendorResult | OXERPType | Contains the fields from *oxvendor* table. See also 6.1. |

## OXERPGetArticleVendors

OXERPGetArticleVendors returns the assigned vendors for an several products. Each vendor is returned only once.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aArticle | OXERPType[] | Each OXERPType contains the OXID of a product. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetArticleVendorsResult | OXERPType[] | Each OXERPType contains the fields from *oxvendor* table. See also 6.1. |

## OXERPGetVendorArticles

OXERPGetVendorArticles loads all products assigned to a vendor. The result list can be limited.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sVendorID | String | The OXID of the vendor. |
| OXERPSort | OXERPSort | Contains the field name used for sorting and ASC or DESC for ascending or descending sorting. (see chapter 6.2). |
| iStart | Integer | Amount of objects which are skipped and not returned. |
| iCount | Integer | Limits amount of returned objects. |
| blIncludeInheritedShopIds(optional) | Boolean | Flag, which indicates whether to include inherited shop ID’s in response. By default it is false. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetVendorArticlesResult | OXERPType[] | Each OXERPType contains the fields from *oxarticle* table. See also 6.1. |

## OXERPSetManufacturer

OXERPSetManufacturer creates new manufacturers.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aManufacturer | OXERPType[] | Each OXERPType contains the values of *oxmanufacturers* table fields. See also 6.1. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetManufacturerResult | OXERPType[] | Each OXERPType contains a particular OXID. blResult indicates if each operation was successful. |

## OXERPGetManufacturer

OXERPGetManufacturer returns a manufacturer.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sManufacturerID | String | The OXID of the manufacturer. |
| blIncludeInheritedShopIds(optional) | Boolean | Flag, which indicates whether to include inherited shop ID’s in response. By default it is false. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetManufacturerResult | OXERPType | Contains the values of *oxmanufacturers* table fields. See also 6.1. |

## OXERPGetManufacturers

OXERPGetManufacturers returns several manufacturers.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| OXERPSort | OXERPSort | Contains the field name used for sorting and ASC or DESC for ascending or descending sorting. See also 6.2. |
| iStart | Integer | Amount of objects which are skipped and not returned. |
| iCount | Integer | Limits amount of returned objects. |
| blIncludeInheritedShopIds(optional) | Boolean | Flag, which indicates whether to include inherited shop ID’s in response. By default it is false. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetManufacturersResult | OXERPType[] | Each OXERPType contains the values of *oxmanufacturers* table fields. See also 6.1. |

## OXERPDeleteManufacturer

OXERPDeleteManufacturer deletes a manufacturer.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sManufacturerID | String | The OXID of the manufacturer to be deleted. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPDeleteManufacturerResult | OXERPType | Contains the particular OXID. blResult indicates if the operation was successful. |

## OXERPDeleteManufacturers

OXERPDeleteManufacturers deletes several manufacturers at once.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aManufacturer | OXERPType[] | Each OXERPType has to contain the OXID of a manufacturer to be deleted. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPDeleteManufacturersResult | OXERPType[] | Each OXERPType contains the particular OXID. blResult indicates if each operation was successful. |

## OXERPSetArticleManufacturer

OXERPSetArticleManufacturer assigns a manufacturer to a product.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sArticleID | String | The OXID of the product. |
| sManufacturerID | String | The OXID of the manufacturer. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetArticleManufacturerResult | OXERPType | Contains the particular OXID. blResult indicates if the operation was successful. |

## OXERPGetArticleManufacturer

OXERPGetArticleManufacturer returns the manufacturer assigned to a product.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sArticleID | String | The OXID of the product. |
| blIncludeInheritedShopIds(optional) | Boolean | Flag, which indicates whether to include inherited shop ID’s in response. By default it is false. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetArticleManufacturerResult | OXERPType | Contains the fields from *oxmanufacturers* table. See also 6.1. |

## OXERPGetArticleManufacturers

OXERPGetArticleManufacturers returns the assigned manufacturers for a several products. Each manufacturer is returned only once.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aArticle | OXERPType[] | Each OXERPType contains the OXID of a product. |
| blIncludeInheritedShopIds(optional) | Boolean | Flag, which indicates whether to include inherited shop ID’s in response. By default it is false. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetArticleManufacturersResult | OXERPType[] | Each OXERPType contains the fields from *oxmanufacturers* table. See also 6.1. |

## OXERPGetManufacturerArticles

OXERPGetManufacturerArticles loads all products assigned to a manufacturer. The result list can be limited.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sManufacturerID | String | The OXID of the manufacturer. |
| OXERPSort | OXERPSort | Contains the field name used for sorting and ASC or DESC for ascending or descending sorting. (see chapter 6.2). |
| iStart | Integer | Amount of objects which are skipped and not returned. |
| iCount | Integer | Limits amount of returned objects. |
| blIncludeInheritedShopIds(optional) | Boolean | Flag, which indicates whether to include inherited shop ID’s in response. By default it is false. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetManufacturerArticlesResult | OXERPType[] | Each OXERPType contains the fields from *oxarticle* table. See also 6.1. |

## OXERPSetCountry

OXERPSetCountry creates new countries.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aCountry | OXERPType[] | Each OXERPType contains the fields from *oxcountry* table. See also 6.1. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetCountryResult | OXERPType[] | Each OXERPType contains the particular OXID. blResult indicates if each operation was successful. |

## OXERPGetCountry

OXERPGetCountry loads a country.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sCountryID | String | The OXID of the country. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetCountryResult | OXERPType | Contains the fields from *oxcountry* table. See also 6.1. |

## OXERPGetCountries

OXERPGetCountries loads several countries.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| OXERPSort | OXERPSort | Contains the field name used for sorting and ASC or DESC for ascending or descending sorting. (see chapter 6.2). |
| iStart | Integer | Amount of objects which are skipped and not returned. |
| iCount | Integer | Limits amount of returned objects. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetCountriesResult | OXERPType[] | Each OXERPType contains the fields from *oxcountry* table. See also 6.1. |

## OXERPDeleteCountry

OXERPDeleteCountry deletes a country.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sCountryID | String | The OXID of the country to be deleted. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPDeleteCountryResult | OXERPType | Contains the particular OXID. blResult indicates if the operation was successful. |

## OXERPSetObject2Category

OXERPSetObject2Category is used for assigning one or more products to a category.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aObject2Category | OXERPType[] | Each OXERPType contains the fields from *oxobject2category* table. If OXTIME field is left empty, the current time is taken.The entry with the oldest OXTIME is automatically set as main category. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetObject2CategoryResult | OXERPType[] | Each OXERPType contains a particular OXID. blResult indicates if each operation was successful. |

## OXERPGetObject2Category

OXERPGetObject2Category returns product assignments to categories.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sObject2CategoryID | String | OXID of the *oxobject2category* entry. May be left empty. |
| sArticleID | String | OXID of the product. May be left empty. |
| sCategoryID | String | OXID of the category. May be left empty. |
| OXERPSort | OXERPSort | Contains the field name used for sorting and ASC or DESC for ascending or descending sorting. (see chapter 6.2). |
| iStart | Integer | Amount of objects which are skipped and not returned. |
| iCount | Integer | Limits amount of returned objects. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetObject2CategoryResult | OXERPType[] | Each OXERPType contains the fields from *oxobject2category* table. See also 6.1. |

## OXERPDeleteObject2Category

OXERPDeleteObject2Category deletes a product assignment to a category. It deletes a given *oxobject2category* entry.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sObject2CategoryID | String | The OXID of the *oxobject2category* table entry to be deleted. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPDeleteObject2CategoryResult | OXERPType | Contains the particular OXID. blResult indicates if the operation was successful. |

## OXERPSetAttribute

OXERPSetAttribute writes several attributes at once to *oxattribute* table.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aAttribute | OXERPType[] | Contains the fields of *oxattribute* table. See also 6.1. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetAttributeResult | OXERPType[] | Contains the particular OXID for each attribute.blResult indicates if setting an attribute was successful. |

## OXERPGetAttributes

OXERPGetAttributes loads attributes which are defined in sIn.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sIn | String | List of attribute names (separated by comma “,”). |
| OXERPSort | OXERPSort | Contains the field name used for sorting and ASC or DESC for ascending or descending sorting. (see chapter 6.2). |
| iStart | Integer | Amount of objects which are skipped and not returned. |
| iCount | Integer | Limits amount of returned objects. |
| blIncludeInheritedShopIds (optional) | Boolean | Flag, which indicates whether to include inherited shop ID’s in response. By default it is false. |
|  |  |  |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetAttributesResult | OXERPType | Contains fields of *oxattribute* table as described in 6.1. |

## OXERPSetArticleAttributes

OXERPSetArticleAttributes assigns a Product to attributes. Older assignments of product will be deleted.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sArticleID | String | The OXID of the product. |
| aAttributes | OXERPType[] | Each OXERPType has to contain a OXID and OXVALUE of an attribute. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetArticleAttributesResult | OXERPType[] | Each OXERPType contains the particular OXID of the *oxobject2attribute* table row. blResult indicates if each operation was successful. |

## OXERPGetArticleAttributes

OXERPGetArticleAttributes returns product assignments to attributes.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sArticleID | String | OXID of the product. May be left empty. |
| sAttributeID | String | OXID of the attribute. May be left empty. |
| OXERPSort | OXERPSort | Contains the field name used for sorting and ASC or DESC for ascending or descending sorting. (see chapter 6.2). |
| iStart | Integer | Amount of objects which are skipped and not returned. |
| iCount | Integer | Limits amount of returned objects. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetArticleAttributesResult | OXERPType[] | Each OXERPType contains the fields from *oxobject2attribute* table. See also 6.1. |

## OXERPCallPlugin

OXERPCallPlugin invokes an external plugin.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sPluginName | String | The name of invoked plugin. |
| aRequestData | OXERPType[] | Data to be passed to the invoked plugin. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPCallPluginResult | OXERPType[] | Plugin output data. |

## OXERPGetContent

OXERPGetContent loads content

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sContentID | String | ID of the content. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPGetContent | OXERPType[] | Contains fieldsof oxcontent table as described in 5.1 |

## OXERPDeleteContent

OXERPDeleteContent deletes a content.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sContentID | String | The OXID of the content to be deleted. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPDeleteContentResult | OXERPType | Contains the particular OXID. blResult indicates if the operation was successful. |

## OXERPSetContent

OXERPSetContent creates new countries.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aContent | OXERPType[] | Each OXERPType contains the fields from *oxcontent* table. See also 6.1. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetContentResult | OXERPType[] | Each OXERPType contains the particular OXID. blResult indicates if each operation was successful. |

# Using custom fields

If additional fields were created in tables, the ERP module files have to be adjusted. The files are stored in */modules/erp/objects*. The filename indicates for which table file is used. At the beginning, the files contain a field list. This list has to be extended with the names of the additional fields.

## For Enterprise Edition users

You have to update your views after making changes. To do so:

* Log in to eShop Admin
* Go to *Master Settings -> Core Settings -> Mall*
* Click *Update DB Views now*

## Example

In this example, the table *oxcategories* was extended with the field articles\_amount. This field contains the amount of products assigned to the category.

For using this field, *oxerptype\_oxcategory.php* is adjusted:

The file contains a definition of database fields:

 'OXID' => 'OXID',

 'OXPARENTID' => 'OXPARENTID',

 'OXORDER' => 'OXORDER',

 'OXACTIV' => 'OXACTIV',

This definition is extended with articles\_amount:

 .

 .

 .

 'OXSEOID\_3' => 'OXSEOID\_3',

 'ARTICLES\_AMOUNT' => 'ARTICLES\_AMOUNT'

 );

When using Set-functions, the field articles\_amount can also be set in OXERPType. When using Get-functions, the articles\_amount field is also returned.

# Extending ERP with plugins

With plugins, you can extend the functionality of the SOAP interface. Plugins are called using the function OXERPCallPlugin (See 7.84).

## Creating a plugin

A plugin class has to extend the class oxErpPluginBase and implement invoke() function (which is defined abstract by oxErpPluginBase). The class name has to contain *Plugin* at the end (e.g. *examplePlugin* as below).

The default Plugins are stored in the <erp base>/plugins directory. The filename has to be the same as the class name of the plugin **in lowercase** (e.g. *exampleplugin.php* for the example below). In ERP v2.14.2 or higher, plugins could be located in custom modules. Plugin class still must extend the class oxErpPluginBase and implement invoke() function, and also be registered in metadata of a custom module.

## Sample plugin

<?php

/\*\*

 \* plugin which duplicates input

 \*/

class examplePlugin extends oxErpPluginBase

{

 /\*\*

 \* plugin entry point

 \*

 \* @param array $aParams 'name=>value' based passed parameters map

 \*

 \* @return oxERPReturn[]

 \*/

 public function invoke($aParams)

 {

 $oResult = new oxERPReturn();

 $oResult->aResult = $aParams;

 $oResult->blResult = true;

 $oResult->sMessage = 'example msg';

 return array($oResult, clone $oResult);

 }

}

### data flow of the sample plugin

Assuming data of a soap request is:

 OXERPType->aResult->ArrayOfString[0]->string[0] = 'myvarname1';

 OXERPType->aResult->ArrayOfString[0]->string[1] = 'value1';

 OXERPType->aResult->ArrayOfString[1]->string[0] = 'myvarname2';

 OXERPType->aResult->ArrayOfString[1]->string[1] = 'value2';

The plugin's **invoke** method gets:

 array (

 'myvarname1' => 'value1',

 'myvarname2' => 'value2',

 )

If there is a need of custom input data processing, a plugin may override invokeEntry method, which wraps the call to the invoke and passes it the input data in the correct format.

The example plugin duplicates data, and returns it to the call handler. The result data is:

array (

 0 =>

 OXERPReturn::\_\_set\_state(array(

 'blResult' => true,

 'sMessage' => 'example msg',

 'aResult' =>

 array (

 'myvarname1' => 'value1',

 'myvarname2' => 'value2',

 ),

 )),

 1 =>

 OXERPReturn::\_\_set\_state(array(

 *... [same as 0th entry] ...*

 )),

)

Such result is formatted (by oxERPGateway) according to the request type (SOAP or CSV) and returned to the client.

## oxGetActionArticlesPlugin

OXERPCallPlugin invokes “oxGetActionArticlesPlugin” plugin, which returns assigned article ID's to action.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aRequestData[sActionID] | String | OXID of the action. |
| sPluginName | String | Plugin name (oxGetActionArticlesPlugin). |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPReturn | String[] | Contains article ID's (OXID). |

## oxGetArticleVariantsPlugin

OXERPCallPlugin invokes “oxGetArticleVariantsPlugin” plugin, which returns variant ID's of article.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aRequestData[sArticleID] | String | OXID of the product. |
| sPluginName | String | Plugin name (oxGetArticleVariantsPlugin). |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPReturn | String[] | Contains variant ID's (OXID). |

## oxGetConfigParametersPlugin

OXERPCallPlugin invokes “oxGetConfigParametersPlugin” plugin, which returns configuration parameters.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| sPluginName | String | Plugin name (oxGetConfigParametersPlugin). |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPReturn | String[] | Contains configuration parameters |

Returned configuration parameters:

* user config parameters:
	+ loaded from datenbank:
		- facebook\_apID (Facebook Application ID: 'sFbAppId');
		- facebook\_sKey (Application Secret Key: 'sFbSecretKey');
		- rating (Ratings (Yes, No): 'bl\_perfLoadReviews');
		- review (Review (Yes/no): 'bl\_perfLoadReviews');
		- parentArticleBuyable (Buyable article (Yes/no): 'blVariantParentBuyable').
	+ loaded from config.inc.php file:
		- eFireID (eFireID: 'sMobAppeFireID');
		- paypalmerchantID (PayPal Merchant ID: 'sMobAppPaypalMerchantID');
		- paypalmerchantemail (PayPal E-Mail ID: 'sMobAppPaypalMerchantEmail');
		- pictures:
			* splash (SplashScreen URL: 'sMobAppSplash');
			* splash4G (SplashScreen URL: 'sMobAppSplash4G');
			* header (Header logo path: 'sMobAppHeader');
			* header4G (Header logo path: 'sMobAppHeader4G');
			* bgPattern3 (Pattern: 'sMobAppPattern3');
			* bgPattern4 (Pattern: 'sMobAppPattern4');
			* default (Name of default article picture: 'sMobAppDefault').
		- color :
			* button (Button color: 'sMobAppButtonColor');
			* nav\_bar (Navbar color: 'sMobAppNavBarColor');
			* nav\_bar\_button (Navbar button color: 'sMobAppNavBarButtonColor');
			* price (Price color: 'sMobAppPriceColor');
		- facebook (Facebook Yes/No: 'sMobAppFacebookActive');
		- twitter (Twitter Yes/No: 'sMobAppTwitterActive');
		- twitterConsumerKey (Application ID: 'sMobAppTwitterConsumerKey');
		- twitterConsumerSecret (Application Secret Key: 'sMobAppTwitterConsumerSecret');
* email (Email (Yes, No): 'sMobAppEmail');
* active shop parameters:
	+ currency (Currency Sign);
	+ currencyrate (Exchange rate);
	+ lang (Supportet Languages).

## oxSearchPlugin

OXERPCallPlugin invokes “oxSearchPlugin” plugin, which returns searched articles.

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aRequestData[sArticleID] | String | OXID of the product. |
| aRequestData[iStart] | Integer | Amount of objects which are skipped and not returned. |
| aRequestData[iCount] | Integer | Limits amount of returned objects. |
| sPluginName | String | Plugin name (oxSearchPlugin). |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPReturn | String[] | Contains variant ID's (OXID). |

# Expandability of SOAP interface

From OXID ERP Interface version 3.1 (interface version 2.14.0), the wsdl file is generated on the fly from a given configuration. Class oxERPSoapGatewayConfiguration can be extended by a module making it possible to easily add own SOAP methods. An alternative way is to use plugins (see chapter 9).

You can find all information about how to extend the OXID ERP Interface by a module in the document "Extending the OXID ERP Interface".

In the current document we describe how to extend the OXID ERP Interface directly. This is possible but we do not recommend to do it this way because of maintainability. How to extend the SOAP interface is explained by example: Imagine to write import/export of attributes yourself.

## Define new attribute object

For accessing attributes, an attribute object has to be defined. Existing object files are stored in *modules/objects*. Here, a new file has to be created: *oxerptype\_attribute.php*:

<?php

require\_once( 'oxerptype.php');

class oxERPType\_Attribute extends oxERPType

{

 public function \_\_construct()

 { global $myConfig;

 parent::\_\_construct();

 $this->\_sTableName = 'oxattribute';

 $this->\_sShopObjectName = 'oxattribute';

 $this->\_aFieldList = array(

 'OXID' => 'OXID',

 'OXSHOPID' => 'OXSHOPID',

 'OXTITLE' => 'OXTITLE',

 'OXTITLE\_1' => 'OXTITLE\_1',

 'OXTITLE\_2' => 'OXTITLE\_2',

 'OXTITLE\_3' => 'OXTITLE\_3',

 'OXPOS' => 'OXPOS'

 );

 }

}

In $this->\_aFieldList, all database fields from *oxattribute* table are defined.

## Register new function in WSDL file

A new function called OXERPSetAttribute has to be included in the wsdl file.

From OXID ERP Interface version 3.1 on, just extend the configuration array in [*erp*](https://github.com/OXID-eSales/erp)*/*[*wsdlconfiguration*](https://github.com/OXID-eSales/erp/tree/master/wsdlconfiguration)*/oxERPSoapGatewayConfiguration.php*.

<?php

 class oxERPSoapGatewayConfiguration

 {

 protected $configuration = [

 // ...

 'OXERPSetAttribute' => [

 'request' => [

 'sSessionID' => ['minOccurs' => '1', 'type' => 's:string'],

 'aAttribute' => ['minOccurs' => '1', 'type' => 'tns:ArrayOfOXERPType'],

 ],

 'response' => [

 'OXERPSetAttributeResult' => ['type' => 'tns:ArrayOfOXERPType'],

 ]

 ],

 // ...

 ]

The generated WSDL will contain the following definitions.

### Definition of data types (type)

<s:element name="OXERPSetAttribute">

 <s:complexType>

 <s:sequence>

 <s:element minOccurs="0" maxOccurs="1" name="sSessionID" type="s:string" />

 <s:element minOccurs="0" maxOccurs="1" name="aCountry" type="tns:ArrayOfOXERPType" />

 </s:sequence>

 </s:complexType>

</s:element>

<s:element name="OXERPSetAttributeResponse">

 <s:complexType>

 <s:sequence>

 <s:element minOccurs="0" maxOccurs="1" name="OXERPSetAttributeResult"

 type="tns:ArrayOfOXERPType" />

 </s:sequence>

 </s:complexType>

</s:element>

### Definition of messages (message)

<wsdl:message name="OXERPSetAttributeSoapIn">

 <wsdl:part name="parameters" element="tns:OXERPSetAttribute" />

</wsdl:message>

<wsdl:message name="OXERPSetAttributeSoapOut">

 <wsdl:part name="parameters" element="tns:OXERPSetAttributeResponse" />

</wsdl:message>

### Definition of port types (portType)

<wsdl:operation name="OXERPSetAttribute">

 <wsdl:input message="tns:OXERPSetAttributeSoapIn" />

 <wsdl:output message="tns:OXERPSetAttributeSoapOut" />

</wsdl:operation>

### Definition of binding (binding)

<wsdl:operation name="OXERPSetAttribute">

 <soap:operation soapAction="OXERPService/OXERPSetAttribute" style="document" />

 <wsdl:input>

 <soap:body use="literal" />

 </wsdl:input>

 <wsdl:output>

 <soap:body use="literal" />

 </wsdl:output>

 </wsdl:operation>

and

<wsdl:operation name="OXERPSetAttribute">

 <soap12:operation soapAction="OXERPService/OXERPSetAttribute" style="document" />

 <wsdl:input>

 <soap12:body use="literal" />

 </wsdl:input>

 <wsdl:output>

 <soap12:body use="literal" />

 </wsdl:output>

</wsdl:operation>

## Implementing function in oxerpgateway.php

public function OXERPSetAttribute($oParameters)

 {

 try{

 $this->\_loadSession($oParameters->sSessionID);

 $aAttribute = $this->\_formatInput($oParameters->aAttribute);

 $oResult = $this->\_import('attribute',$aAttribute);

 }

 catch (Exception $e) {

 $oResult = $this->\_exception2OxErpReturn($e);

 }

 return $this->\_formatResult($oResult,'OXERPSetAttributeResult',true);

 }

## Import definition in oxerpsoap.php

In *oxerpsoap.php* the function \_ImportAttribute has to be implemented:

protected function \_ImportAttribute(oxERPType & $oType, $aRow)

 {

 $sResult = $this->\_Save( $oType, $aRow);

 $this->\_aResults[$this->\_iIdx] = $sResult;

 return (boolean) $sResult;

 }

## Usage of new OXERPSetAttribute function

Now attributes can be created by OXERPSetAttribute function:

### Parameters

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| sSessionID | String | The session-ID returned by OXERPLogin. |
| aAttribute | OXERPType[] | Each OXERPType contains the fields of *oxattribute* table. |

### Return values

|  |  |  |
| --- | --- | --- |
| **Name** | **Type** | **Content** |
| OXERPSetAttributeResult | OXERPType[] | Each OXERPType contains a particular OXID.blResult indicates if each operation was successful. |

1. This field only exists in OXID eShop Enterprise Edition [↑](#footnote-ref-1)
2. If logged in as malladmin, objects from other shops can be loaded but not saved. [↑](#footnote-ref-2)
3. Values OXERP\* are stored in *oxorderarticles* table, OXERPSTATUS field (Enterprise Edition only) [↑](#footnote-ref-3)