

OXID eSales Documentation ERP interface (SOAP) Protocol version 2.10.0

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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 2.10.0 of the ERP SOAP interface for OXID eShop version 4.6.0 and above.

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:

- 1
- 1.1
- 2
- 2.1.0
- 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

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

1 System requirements

The SOAP extension of PHP has to be installed.

2 Installation

Copy all files from *copy_this* to the main directory of your eShop and open eShop admin.

2.1 Activate module in OXID eShop 4.6

- Go to *Extensions -> Modules*
- Select module and in *Overview* tab press *Activate* button

3 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 constants 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.

4 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&version=2.10.0>

5 Read WSDL

For reading the WSDL, call the URL

<https://www.myeshop.com/oxideshop/modules/erp/oxerpservice.php?wsdl&version=2.10.0>

6 Special data types

6.1 Data type ,OXERPTYPE'

6.1.1 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	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`.

6.1.2 Set- and Delete-functions

When using Set-Functions, objects (user, product, order etc.) are transferred in an `OXERPTType`. The structure of `OXERPTType` is the same as in Get-Functions.

If several objects are to be transferred, they have to be stored in an array containing `OXERPTType` types.

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

The Set- and Delete-functions return `OXERPTType`, too. In each returned `OXERPTType` 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.

6.2 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).

¹ This field only exists in OXID eShop Enterprise Edition

² If logged in as malladmin, objects from other shops can be loaded but not saved.

7 Functions overview

7.1 OXERPLLogin

OXERPLLogin 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 accessed².

7.1.1 Parameters

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

7.1.2 Return values

Name	Type	Content
OXERPLLoginResult	OXERPTYPE	Contains the session-ID in sMessage. This session-ID is needed for other functions.

7.2 OXERPSetUser

With OXERPSetUser several users can be created/updated.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by OXERPLLogin.
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.

7.3 OXERPGetUser

OXERPGetUser returns a user object for a given OXID.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by OXERPLLogin.

² If logged in as malladmin, objects from other shops can be loaded but not saved.

sUserID	String	The <code>OXID</code> of the user.
---------	--------	------------------------------------

Return Values

Name	Type	Content
OXERPGetUserResult	OXERPTYPE	Contains fields of <code>oxuser</code> table as described in 6.1.

7.4 OXERPGetUsers

`OXERPGetUsers` returns several user objects.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by <code>OXERPLogin</code> .
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	Timestamp after which users were , format: YYYY-MM-DD HH:MM:SS.

Return values

Name	Type	Content
OXERPGetUsersResult	OXERPTYPE[]	Contains fields of <code>oxuser</code> table as described in 6.1.

7.5 OXERPDeleteUser

`OXERPDeleteUser` deletes a user from `oxuser` table.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by <code>OXERPLogin</code> .
sUserID	String	The <code>OXID</code> of the user to be deleted.

Return values

Name	Type	Content
OXERPDeleteUserResult	OXERPTYPE	Contains the particular <code>OXID</code> . <code>blResult</code> indicates if delete was successful.

7.6 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.

7.6.1 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>vjtavolulu7rrjj7mqgok3cim7</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:OXERPTYPE>
      </q0:aUser>
    </q0:OXERPDeleteUsers>
  </soapenv:Body>
</soapenv:Envelope>
```

```

        </q0:aResult>
        <q0:blResult>true</q0:blResult>
    </q0:OXERPTType>
</q0:aUser>
</q0:OXERPDeleteUsers>
</soapenv:Body>
</soapenv:Envelope>

```

7.7 OXERPSetCategory

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

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by OXERPLogin.
aCategory	OXERPTType[]	Contains the fields of <i>oxcategories</i> table. See also 6.1.

Return values

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

7.8 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.

Return values

Name	Type	Content
OXERPGetCategoryResult	OXERPTType	Contains fields of <i>oxcategories</i> table as described in 6.1.

7.9 OXERPGetCategories

OXERPGetCategories loads several categories at once.

Parameters

Name	Type	Content
------	------	---------

sSessionID	String	The session-ID returned by OXERPLLogin.
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
OXERPGetCategoriesResult	OXERPTyp[]	Contains fields of <i>oxcategories</i> table as described in 6.1.

7.10 OXERPDeleteCategory

OXERPDeleteCategory deletes a category identified by its OXID.

Parameters

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

Return values

Name	Type	Content
OXERPDeleteCategoryResult	OXERPTyp	Contains the particular OXID. blResult indicates if delete was successful.

7.11 OXERPDeleteCategories

OXERPDeleteCategories deletes several categories at once.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by OXERPLLogin.
aCategory	OXERPTyp[]	Each OXERPTyp must contain the OXID of a category.

Return values

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

7.12 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 <code>OXERPLLogin</code> .
aArticle	OXERPTYPE[]	Contains the fields of <i>oxarticles</i> table. See also 6.1.

Return values

Name	Type	Content
OXERPSetArticleResult	OXERPTYPE[]	Contains the particular <code>OXID</code> for each product. <code>blResult</code> indicates if an operation was successful.

7.13 OXERPGetArticle

`OXERPGetArticle` loads a product object for a given `OXID`.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by <code>OXERPLLogin</code> .
sArticleID	String	The ID of the product.

Return values

Name	Type	Content
OXERPGetArticleResult	OXERPTYPE	Contains the fields of <i>oxarticles</i> table. See also 6.1.

7.14 OXERPSetArtExtends

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

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by <code>OXERPLLogin</code> .
aArticle	OXERPTYPE[]	Contains the fields of <i>oxartextends</i> 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.
--------------------------	-------------	--

7.15 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 <i>oxartextends</i> table. See also 6.1.

7.16 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 parameter)	String	Contains the ID of the category from which products are to be loaded.

Return values

Name	Type	Content
OXERPGetArticlesResult	OXERPTYPE[]	Contains the fields of <i>oxartextends</i> table. See also 6.1.

7.16.1 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>elm3gqhofrntlienl2vgqglfel</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>
```

7.17 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.

7.18 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.

7.19 OXERPSetArticleFile

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

Note: available from ERP interface version 2.10.0.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by OXERPLogin.
aArticleFile	OXERPTYPE[]	Contains the fields of <i>oxfiles</i> 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.

7.20 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 <i>oxfiles</i> table. See also 6.1.

7.21 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 OXERPLLogin.
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 parameter)	String	Contains the ID of the article from which product files are to be loaded.

Return values

Name	Type	Content
OXERPGetArticleFilesResult	OXERPTType[]	Contains the fields of <i>oxfiles</i> table. See also 6.1.

7.22 OXERPDeleteArticleFile

OXERPDeleteArticleFile deletes a product file.

Parameters

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

Return values

Name	Type	Content
OXERPDeleteArticleFileResult	OXERPTType	Contains the particular OXID. blResult indicates if delete was successful.

7.23 OXERPDeleteArticleFiles

OXERPDeleteArticleFiles deletes several product files at once.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by OXERPLLogin.

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 there are no orders with reference to file record.

7.24 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.

7.25 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.

7.26 OXERPSetArticleCategory

OXERPSetArticleCategory assigns a Product to categories.

Parameters

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

Return values

Name	Type	Content
OXERPSetArticleCategoryResult	OXERPTYPE[]	Each <code>OXERPTYPE</code> contains the particular <code>OXID</code> of the <code>oxobject2category</code> table row. <code>blResult</code> indicates if each operation was successful.

7.27 OXERPGetArticleCategory

`OXERPGetArticleCategory` returns the category a product is assigned to.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by <code>OXERPLogin</code> .
sArticleID	String	The <code>OXID</code> 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
OXERPGetArticleCategoryResult	OXERPTYPE[]	Each <code>OXERPTYPE</code> contains the values from <code>oxcategories</code> table. See also 6.1.

7.28 OXERPSetMainArticleCategory

`OXERPSetMainArticleCategory` sets the main category for a product.

Parameters

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

7.28.1 Return values

Name	Type	Content
OXERPSetMainArticleCategoryResult	OXERPTYPE[]	Each OXERPTYPE contains the values from <i>oxcategories</i> table. See also 6.1.

7.29 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 <i>oxobject2category</i> entry which is to be deleted.

Return values

Name	Type	Content
OXERPDeleteArticleCategoryResult	OXERPTYPE	Contains the particular OXID. blResult indicates if the operation was successful.

7.30 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 <i>oxactions2article</i> table. See also 6.1.

7.31 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 <i>oxactions</i> table. See also 6.1.

7.32 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 <i>oxactions2article</i> 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.

7.33 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
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OXERPSetArticleCrosssellingResult	OXERPTYPE[]	Each OXERPTYPE contains the particular OXID of the <i>oxobject2article</i> table entry. <i>blResult</i> indicates if each operation was successful.
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7.34 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 <i>oxarticles</i> table. See also 6.1.

7.35 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 <i>oxobject2article</i> entry to be deleted.

Return values

Name	Type	Content
OXERPDeleteCrosssellingResult	OXERPTYPE	Contains the particular OXID. <i>blResult</i> indicates if the operation was successful.

7.36 OXERPSetArticleScalePrice

`OXERPSetArticlesScalePrice` sets scale prices for a product.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by <code>OXERPLogin</code> .
sArticleID	String	The <code>OXID</code> of the product.
aArticleScalePrice	OXERPTYPE[]	Each <code>OXERPTYPE</code> has to contain the fields of <code>oxprice2article</code> table. See also 6.1.

Return values

Name	Type	Content
OXERPSetArticleScalePriceResult	OXERPTYPE[]	Each <code>OXERPTYPE</code> contains the particular <code>OXID</code> of the <code>oxprice2article</code> table entry. <code>blResult</code> indicates if each operation was successful..

7.37 OXERPGetArticleScalePrice

`OXERPGetArticleScalePrice` returns scale prices for a product.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by <code>OXERPLogin</code> .
sArticleID	String	The <code>OXID</code> 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 <code>OXERPTYPE</code> contains the values of <code>oxprice2article</code> table fields. See also 6.1.

7.38 OXERPDeleteArticleScalePrice

`OXERPDeleteArticleScalePrice` deletes a scale price from a product.

Parameters

Name	Type	Content
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sSessionID	String	The session-ID returned by <code>OXERPLLogin</code> .
sArticleScalePriceID	String	The <code>OXID</code> of of the <code>oxprice2article</code> entry to be deleted.

Return values

Name	Type	Content
OXERPDeleteArticleScalePriceResult	OXERPTYPE	Contains the particular <code>OXID</code> . <code>blResult</code> indicates if the operation was successful.

7.39 OXERPSetArticleAccessoire

`OXERPSetArticleAccessoire` assigns several accessoires to a product.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by <code>OXERPLLogin</code> .
sArticleID	String	The <code>OXID</code> of the product.
aArticle	OXERPTYPE[]	Each <code>OXERPTYPE</code> contains the <code>OXID</code> of a product to be assigned as accesory. See also 6.1.

Return values

Name	Type	Content
OXERPSetArticleAccessoireResult	OXERPTYPE[]	Each <code>OXERPTYPE</code> contains the <code>OXID</code> of new <code>oxaccessoire2article</code> table entries. <code>blResult</code> indicates if each operation was successful.

7.40 OXERPGetArticleAccessoire

`OXERPGetArticleAccessoire` returns accesoire products of a product.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by <code>OXERPLLogin</code> .
sArticleID	String	The <code>OXID</code> 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 <i>oxarticles</i> table fields. See also 6.1.

7.41 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 <i>oxaccessoire2article</i> table entry to be deleted.

Return values

Name	Type	Content
OXERPDeleteAccessoireArticleResult	OXERPTYPE	Contains the particular OXID. <i>blResult</i> indicates if the operation was successful.

7.42 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 <i>oxorder</i> 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 <i>oxorder</i> table entries. Also contains the <i>OXORDERNR</i> value. <i>blResult</i> indicates if each operation was successful.

7.43 OXERPGetOrder

OXERPGetOrder returns an order for a given order OXID.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by <code>OXERPLogin</code> .
sOrderID	String	The <code>OXID</code> of the order.

Return values

Name	Type	Content
OXERPGetOrderResult	OXERPTYPE	Contains the values of <code>oxorder</code> table fields. See also 6.1.

7.44 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 <code>OXERPLogin</code> .
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 <code>OXERPTYPE</code> contains the values of <code>oxorder</code> table fields. See also 6.1.

7.45 OXERPDeleteOrder

`OXERPDeleteOrder` deletes an order.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by <code>OXERPLogin</code> .
sOrderID	String	The <code>OXID</code> of the order to be deleted.

Return values

Name	Type	Content
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OXERPDeleteOrderResult	OXERPTYPE	Contains the particular <code>OXID</code> . <code>blResult</code> indicates if the operation was successful.
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7.46 OXERPDeleteOrders

`OXERPDeleteOrders` deletes several orders at once.

Parameters

Name	Type	Content
<code>sSessionID</code>	String	The session-ID returned by <code>OXERPLogin</code> .
<code>aOrder</code>	OXERPTYPE[]	Each OXERPTYPE contains the <code>OXID</code> of an order to be deleted.

Return values

Name	Type	Content
OXERPDeleteOrdersResult	OXERPTYPE[]	Each OXERPTYPE contains a particular <code>OXID</code> . <code>blResult</code> indicates if each operation was successful.

7.47 OXERPSetOrderArticle

`OXERPSetOrderArticle` sets products to an order.

Parameters

Name	Type	Content
<code>sSessionID</code>	String	The session-ID returned by <code>OXERPLogin</code> .
<code>aOrderArticle</code>	OXERPTYPE[]	Each OXERPTYPE contains the values of <code>oxorderarticles</code> table fields. See also 6.1.

Return values

Name	Type	Content
OXERPSetOrderArticleResult	OXERPTYPE[]	Each OXERPTYPE contains a particular <code>OXID</code> . <code>blResult</code> indicates if each operation was successful.

7.48 OXERPGetOrderArticle

`OXERPGetOrderArticle` returns the articles of an order.

Parameters

Name	Type	Content
<code>sSessionID</code>	String	The session-ID returned by <code>OXERPLogin</code> .
<code>sOrderID</code>	String	The <code>OXID</code> 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	OXERPTyp[]	Each OXERPTyp contains a particular <code>OXID</code> . <code>blResult</code> indicates if each operation was successful.

7.49 OXERPDeleteOrderArticle

OXERPDeleteOrderArticle deletes a product from an order.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by <code>OXERPLogin</code> .
sOrderArticleID	String	Contains the <code>OXID</code> of the <code>oxorderarticles</code> entry to be deleted.

Return values

Name	Type	Content
OXERPDeleteOrderArticleResult	OXERPTyp	Contains the particular <code>OXID</code> . <code>blResult</code> indicates if the operation was successful.

7.50 OXERPSetOrderArticleFile

`OXERPSetOrderArticleFile` sets product files to an order.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by <code>OXERPLLogin</code> .
aOrderArticleFile	OXERPTYPE[]	Each OXERPTYPE contains the values of <i>oxorderfiles</i> table fields. See also 6.1.

Return values

Name	Type	Content
<code>OXERPSetOrderArticleFileResult</code>	OXERPTYPE[]	Each OXERPTYPE contains a particular OXID. <code>blResult</code> indicates if each operation was successful.

7.51 OXERPGetOrderArticleFile

`OXERPGetOrderArticleFile` returns the product file of an order.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by <code>OXERPLLogin</code> .
sOrderArticleFileID	String	The OXID of the order article file.

Return values

Name	Type	Content
<code>OXERPGetOrderArticleFileResult</code>	OXERPTYPE	OXERPTYPE contains a particular OXID. <code>blResult</code> indicates if operation was successful.

7.52 OXERPGetOrderArticleFiles

`OXERPGetOrderArticleFiles` returns the product files of an order.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by <code>OXERPLLogin</code> .
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.
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Return values

Name	Type	Content
OXERPGetOrderArticleFilesResult	OXERPTYPE[]	Each OXERPTYPE contains a particular <code>OXID</code> . <code>blResult</code> indicates if each operation was successful.

7.53 OXERPDeleteOrderArticleFile

OXERPDeleteOrderArticleFile deletes a product file from an order.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by <code>OXERPLogin</code> .
sOrderArticleFileID	String	Contains the <code>OXID</code> of the <code>oxorderfiles</code> entry to be deleted.

Return values

Name	Type	Content
OXERPDeleteOrderArticleFileResult	OXERPTYPE	Contains the particular <code>OXID</code> . <code>blResult</code> indicates if the operation was successful.

7.54 OXERPSetOrderStatus

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

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by <code>OXERPLogin</code> .
aOrderStatus	OXERPTYPE[]	Each OXERPTYPE contains the fields <code>OXID</code> , <code>OXERPSTATUS_STATUS</code> , <code>OXERPSTATUS_TIME</code> and <code>OXERPSTATUS_TRACKID</code> ³ . See also 6.1.

Return values

Name	Type	Content
OXERPSetOrderStatusResult	OXERPTYPE[]	Each OXERPTYPE contains a particular <code>OXID</code> . <code>blResult</code> indicates if each operation was successful.

7.55 OXERPSetVendor

OXERPSetVendor creates new vendors.

³ Values `OXERP*` are stored in `oxorderarticles` table, `OXERPSTATUS` field (Enterprise Edition only)

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by <code>OXERPLogin</code> .
aVendor	OXERPTYPE[]	Each OXERPTYPE contains the values of <i>oxvendor</i> table fields. See also 6.1.

Return values

Name	Type	Content
OXERPSetVendorResult	OXERPTYPE[]	Each OXERPTYPE contains a particular <code>OXID</code> . <code>blResult</code> indicates if each operation was successful.

7.56 OXERPGetVendor

`OXERPGetVendor` returns a vendor.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by <code>OXERPLogin</code> .
sVendorID	String	The <code>OXID</code> of the vendor.

Return values

Name	Type	Content
OXERPGetVendorResult	OXERPTYPE	Contains the values of <i>oxvendor</i> table fields. See also 6.1.

7.57 OXERPGetVendors

`OXERPGetVendors` returns several vendors.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by <code>OXERPLogin</code> .
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.

Return values

Name	Type	Content
OXERPGetVendorsResult	OXERPTYPE[]	Each OXERPTYPE contains the values of <i>oxvendor</i> table fields. See also 6.1.

7.58 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.

7.59 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.

7.60 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.

7.61 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.

Return values

Name	Type	Content
OXERPGetArticleVendorResult	OXERPTYPE	Contains the fields from <i>oxvendor</i> table. See also 6.1.

7.62 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 <i>oxvendor</i> table. See also 6.1.

7.63 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.

Return values

Name	Type	Content
OXERPGetVendorArticlesResult	OXERPTYPE[]	Each OXERPTYPE contains the fields from <i>oxarticle</i> table. See also 6.1.

7.64 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 <i>oxcountry</i> 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.

7.65 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 <i>oxcountry</i> table. See also 6.1.

7.66 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 <i>oxcountry</i> table. See also 6.1.

7.67 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.

7.68 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 <i>object2category</i> 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
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OXERPSetObject2CategoryResult	OXERPTYPE[]	Each OXERPTYPE contains a particular OXID. <i>blResult</i> indicates if each operation was successful.
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7.69 OXERPGetObject2Category

OXERPGetObject2Category returns product assignments to categories.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by OXERPLogin.
sObject2CategoryID	String	OXID of the <i>oxobject2category</i> 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 <i>oxobject2category</i> table. See also 6.1.

7.70 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 <i>oxobject2category</i> table entry to be deleted.

Return values

Name	Type	Content
OXERPDeleteObject2CategoryResult	OXERPTYPE	Contains the particular OXID. <i>blResult</i> indicates if the operation was successful.

7.71 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 <i>oxattribute</i> 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.

7.72 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.

Return values

Name	Type	Content
OXERPGetAttributesResult	OXERPTYPE	Contains fields of <i>oxattribute</i> table as described in 6.1.

7.73 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 <i>object2attribute</i> table row. <i>blResult</i> indicates if each operation was successful.

7.74 OXERPGetArticleAttributes

OXERPGetArticleAttributes returns product assignments to attributes.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by OXERPLLogin.
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 <i>object2attribute</i> table. See also 6.1.

7.75 OXERPCallPlugin

OXERPCallPlugin invokes an external plugin.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by OXERPLLogin.
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.

7.76 OXERPGetContent

OXERPGetContent loads content

Parameters

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

Return values

Name	Type	Content
OXERPGetContent	OXERPTYPE[]	Contains fields of oxcontent table as described in 5.1

7.77 OXERPDeleteContent

OXERPDeleteContent deletes a content.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by OXERPLLogin.
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.

7.78 OXERPSetContent

OXERPSetContent creates new countries.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by OXERPLLogin.
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.

8 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.

8.1 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*

8.2 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 `OXERPTType`. When using Get-functions, the `articles_amount` field is also returned.

9 Extending ERP with plugins

With plugins, you can extend the functionality of the SOAP interface. Plugins are called using the function `OXERPCallPlugin` (See 7.75).

9.1 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 Plugins are stored in 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).

9.2 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);
    }
}
```

9.2.1 data flow of the sample plugin

Assuming data of a soap request is:

```
OXERPTType->aResult->ArrayOfString[0]->string[0] = 'myvarname1';
OXERPTType->aResult->ArrayOfString[0]->string[1] = 'value1';
OXERPTType->aResult->ArrayOfString[1]->string[0] = 'myvarname2';
OXERPTType->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.

9.3 oxGetActionArticlesPlugin

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

Parameters

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

Return values

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

9.4 oxGetArticleVariantsPlugin

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

Parameters

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

Return values

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

9.5 oxGetConfigParametersPlugin

OXERPCallPlugin invokes "oxGetConfigParametersPlugin" plugin, which returns configuration parameters.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by <code>OXERPLogin</code> .
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: 'sMobAppFireID');
 - 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).

9.6 oxSearchPlugin

OXERPCallPlugin invokes "oxSearchPlugin" plugin, which returns searched articles.

Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by OXERPLugin.
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).

10 Expandability of SOAP interface

You can also extend the SOAP interface with own functions, but we advise you to use plugins (See chapter 9) for keeping the ERP easily updatable.

How to extend the SOAP interface is explained by example: Imagine to write import/export of attributes yourself.

10.1 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 oxERPTType_Attribute extends oxERPTType
{
    public function __construct()
    {
        global $myConfig;

        parent::__construct();

        $this->_sTableName = 'oxattribute';
        $this->_sShopObjectName = 'oxattribute';

        $this->_aFieldList = array(
            'OXID'          => 'OXID',
            'OXSHOPID'      => 'OXSHOPID',
            'OXSHOPINCL'    => 'OXSHOPINCL',
            'OXSHOPEXCL'    => 'OXSHOPEXCL',
            '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.

10.2 Register new function in WSDL file

A new function called `OXERPSetAttribute` has to be entered in *oxerp-service.wsdl*:

10.2.1 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:ArrayOfOXERPTType" />
    </s:sequence>
  </s:complexType>
</s:element>
<s:element name="OXERPSetAttributeResponse">
  <s:complexType>
    <s:sequence>
      <s:element minOccurs="0" maxOccurs="1" name="OXERPSetAttributeResult"
        type="tns:ArrayOfOXERPTType" />
    </s:sequence>
  </s:complexType>
</s:element>
```

10.2.2 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>
```

10.2.3 Definition of port types (portType)

```
<wsdl:operation name="OXERPSetAttribute">
  <wsdl:input message="tns:OXERPSetAttributeSoapIn" />
  <wsdl:output message="tns:OXERPSetAttributeSoapOut" />
</wsdl:operation>
```

10.2.4 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>
```

10.3 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);
}
```

10.4 Import definition in oxerpsoap.php

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

```
protected function _ImportAttribute(oxERPTypes & $oType, $aRow)
{
    $sResult = $this->_Save($oType, $aRow);
    $this->_aResults[$this->_iIdx] = $sResult;
    return (boolean) $sResult;
}
```

10.5 Usage of new OXERPSetAttribute function

Now attributes can be created by `OXERPSetAttribute` function:

10.5.1 Parameters

Name	Type	Content
sSessionID	String	The session-ID returned by <code>OXERPLLogin</code> .

aAttribute	OXERPTType[]	Each OXERPTType contains the fields of <i>oxattribute</i> table.
------------	--------------	--

10.5.2 Return values

Name	Type	Content
OXERPSetAttributeResult	OXERPTType[]	Each OXERPTType contains a particular <i>OXID</i> . <i>blResult</i> indicates if each operation was successful.