

# **OXID eSales Documentation ERP interface (SOAP) Protocol version 2.3.0**

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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 2.3.0 of the ERP-Soap interface for OXID eShop Version 4.0.1.0 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 2).

Valid protocol versions are:

- 1
- 1.1
- 2
- 2.1.0
- 2.2.0
- 2.3.0

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 OXID eShop.

## 3 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>*

## 4 Read WSDL

- For reading the WSDL, call the URL  
*<https://www.myeshop.com/oxideshop/modules/erp/oxerpservice.php?wsdl&version=2.3.0>*

## 5 Special data types

### 5.1 Data type ,OXERPTYPE'

#### 5.1.1 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              |
|----------------------------|---------------------|----------------------------|----------------------------|
| <code>aResult[0][0]</code> | OXID                | <code>aResult[0][1]</code> | 36944b76cc9604c53.04579642 |
| <code>aResult[1][0]</code> | OXACTIV             | <code>aResult[1][1]</code> | 1                          |
| <code>aResult[2][0]</code> | OXRIGHTS            | <code>aResult[2][1]</code> | User                       |
| <code>aResult[n][0]</code> | ...                 | <code>aResult[n][1]</code> | ...                        |

Example `aResult` if a product is loaded:

|                            | Database field name   |                            | Field content              |
|----------------------------|-----------------------|----------------------------|----------------------------|
| <code>aResult[0][0]</code> | OXID                  | <code>aResult[0][1]</code> | 36944b76cc9604c53.04579642 |
| <code>aResult[1][0]</code> | OXSHOPID <sup>1</sup> | <code>aResult[1][1]</code> | 1                          |
| <code>aResult[2][0]</code> | OXPARENTID            | <code>aResult[2][1]</code> | 2077                       |
| <code>aResult[n][0]</code> | ...                   | <code>aResult[n][1]</code> | ...                        |

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

#### 5.1.2 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.

<sup>1</sup> This field only exists in OXID eShop Enterprise Edition

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.

## 5.2 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 6.16).

## 6 Functions overview

### 6.1 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<sup>2</sup>.

#### 6.1.1 Parameters

| Name      | Type    | Content                  |
|-----------|---------|--------------------------|
| sUserName | String  | Benutzername eines Admin |
| sPassword | String  | Passwort des Admin       |
| iShopID   | Integer | Die ID des (Sub-)shops   |
| iLanguage | Integer | Die ID für die Sprache   |

#### 6.1.2 Return values

| Name             | Type       | Content                                                                                           |
|------------------|------------|---------------------------------------------------------------------------------------------------|
| OXERPLoginResult | OXERPTType | Contains the session-ID in <code>sMessage</code> . This session-ID is needed for other functions. |

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

## 6.2 OXERPSetUser

With `OXERPSetUser` several users can be created/updated.

### 6.2.1 Parameters

| Name       | Type       | Content                                                     |
|------------|------------|-------------------------------------------------------------|
| sSessionID | String     | The session-ID returned by <code>OXERPLLogin</code> .       |
| aUser      | OXERPTyp[] | Contains fields of <i>oxuser</i> table as described in 5.1. |

### 6.2.2 Return values

| Name               | Type       | Content                                                                                                 |
|--------------------|------------|---------------------------------------------------------------------------------------------------------|
| OXERPSetUserResult | OXERPTyp[] | In <code>aResult[0][1]</code> the particular OXID is stored and <code>blResult</code> is True or False. |

## 6.3 OXERPGetUser

`OXERPGetUser` returns a user object for a given OXID.

### 6.3.1 Parameters

| Name       | Type   | Content                                               |
|------------|--------|-------------------------------------------------------|
| sSessionID | String | The session-ID returned by <code>OXERPLLogin</code> . |
| sUserID    | String | The OXID of the user.                                 |

### 6.3.2 Return Values

| Name               | Type     | Content                                                     |
|--------------------|----------|-------------------------------------------------------------|
| OXERPGetUserResult | OXERPTyp | Contains fields of <i>oxuser</i> table as described in 5.1. |

## 6.4 OXERPGetUsers

`OXERPGetUsers` returns several user objects.

### 6.4.1 Parameters

| Name       | Type      | Content                                                                                                          |
|------------|-----------|------------------------------------------------------------------------------------------------------------------|
| sSessionID | String    | The session-ID returned by <code>OXERPLLogin</code> .                                                            |
| OXERPSort  | OXERPSort | Contains the field name used for sorting and ASC or DESC for ascending or descending sorting. (see chapter 5.2). |
| 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.                                                  |

#### 6.4.2 Return values

| Name                | Type        | Content                                                     |
|---------------------|-------------|-------------------------------------------------------------|
| OXERPGetUsersResult | OXERPTYPE[] | Contains fields of <i>oxuser</i> table as described in 5.1. |

### 6.5 OXERPDeleteUser

OXERPDeleteUser deletes a user from *oxuser* table.

#### 6.5.1 Parameters

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

#### 6.5.2 Return values

| Name                  | Type      | Content                                                                       |
|-----------------------|-----------|-------------------------------------------------------------------------------|
| OXERPDeleteUserResult | OXERPTYPE | Contains the particular OXID.<br>blResult indicates if delete was successful. |

### 6.6 OXERPDeleteUsers

OXERPDeleteUsers deletes several users at once.

#### 6.6.1 Parameters

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

#### 6.6.2 Return values

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

#### 6.6.3 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:OXERPTType>
        <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:OXERPTType>
      <q0:OXERPTType>
        <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:OXERPTType>
    </q0:aUser>
  </q0:OXERPDeleteUsers>
</soapenv:Body>
</soapenv:Envelope>

```

## 6.7 OXERPSetCategory

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

### 6.7.1 Parameters

| Name       | Type         | Content                                                         |
|------------|--------------|-----------------------------------------------------------------|
| sSessionID | String       | The session-ID returned by OXERPLogin.                          |
| aCategory  | OXERPTType[] | Contains the fields of <i>oxcategories</i> table. See also 5.1. |

### 6.7.2 Return values

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

## 6.8 OXERPGetCategory

OXERPGetCategory loads a category object for a given OXID.

### 6.8.1 Parameters

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

### 6.8.2 Return values

| Name                   | Type      | Content                                                           |
|------------------------|-----------|-------------------------------------------------------------------|
| OXERPGetCategoryResult | OXERPTYPE | Contains fields of <i>oxcategories</i> table as described in 5.1. |

## 6.9 OXERPGetCategories

OXERPGetCategories loads several categories at once.

### 6.9.1 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 5.2). |
| iStart     | Integer   | Amount of objects which are skipped and not returned.                                                            |
| iCount     | Integer   | Limits amount of returned objects.                                                                               |

### 6.9.2 Return values

| Name                     | Type        | Content                                                           |
|--------------------------|-------------|-------------------------------------------------------------------|
| OXERPGetCategoriesResult | OXERPTYPE[] | Contains fields of <i>oxcategories</i> table as described in 5.1. |

## 6.10 OXERPDeleteCategory

OXERPDeleteCategory deletes a category identified by its OXID.

### 6.10.1 Parameters

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

### 6.10.2 Return values

| Name                      | Type      | Content                                                                       |
|---------------------------|-----------|-------------------------------------------------------------------------------|
| OXERPDeleteCategoryResult | OXERPTYPE | Contains the particular OXID.<br>blResult indicates if delete was successful. |

## 6.11 OXERPDeleteCategories

OXERPDeleteCategories deletes several categories at once.

### 6.11.1 Parameters

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

### 6.11.2 Return values

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

## 6.12 OXERPSetArticle

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

### 6.12.1 Parameters

| Name       | Type        | Content                                                       |
|------------|-------------|---------------------------------------------------------------|
| sSessionID | String      | The session-ID returned by OXERPLogin.                        |
| aArticle   | OXERPTYPE[] | Contains the fields of <i>oxarticles</i> table. See also 5.1. |

### 6.12.2 Return values

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

## 6.13 OXERPGetArticle

OXERPGetArticle loads a product object for a given OXID.

### 6.13.1 Parameters

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

### 6.13.2 Return values

| Name                  | Type      | Content                                                       |
|-----------------------|-----------|---------------------------------------------------------------|
| OXERPGetArticleResult | OXERPTYPE | Contains the fields of <i>oxarticles</i> table. See also 5.1. |

## 6.14 OXERPSetArtExtends

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

### 6.14.1 Parameters

| Name       | Type        | Content                                                         |
|------------|-------------|-----------------------------------------------------------------|
| sSessionID | String      | The session-ID returned by OXERPLogin.                          |
| aArticle   | OXERPTYPE[] | Contains the fields of <i>oxartextends</i> table. See also 5.1. |

### 6.14.2 Return values

| Name                     | Type        | Content                                                                                              |
|--------------------------|-------------|------------------------------------------------------------------------------------------------------|
| OXERPSetArtExtendsResult | OXERPTYPE[] | Contains the particular OXID for each product.<br>blResult indicates if an operation was successful. |

## 6.15 OXERPGetArtExtends

OXERPGetArtExtends loads extended product data from *oxartextends* table.

### 6.15.1 Parameters

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

### 6.15.2 Return values

| Name                     | Type      | Content                                                         |
|--------------------------|-----------|-----------------------------------------------------------------|
| OXERPGetArtExtendsResult | OXERPTYPE | Contains the fields of <i>oxartextends</i> table. See also 5.1. |

## 6.16 OXERPGetArticles

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

### 6.16.1 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 5.2). |
| iStart                              | Integer   | Amount of objects which are skipped and not returned.                                                            |
| iCount                              | Integer   | Limits amount of returned objects.                                                                               |
| sCategoryID<br>(optional parameter) | String    | Contains the ID of the category from which products are to be loaded.                                            |

### 6.16.2 Return values

| Name                   | Type        | Content                                                         |
|------------------------|-------------|-----------------------------------------------------------------|
| OXERPGetArticlesResult | OXERPTYPE[] | Contains the fields of <i>oxartextends</i> table. See also 5.1. |

### 6.16.3 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>
```

## 6.17 OXERPDeleteArticle

OXERPDeleteArticle deletes a product.

### 6.17.1 Parameters

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

### 6.17.2 Return values

| Name                     | Type      | Content                                                                                                  |
|--------------------------|-----------|----------------------------------------------------------------------------------------------------------|
| OXERPDeleteArticleResult | OXERPTYPE | Contains the particular <code>OXID</code> .<br><code>blResult</code> indicates if delete was successful. |

## 6.18 OXERPDeleteArticles

`OXERPDeleteArticles` deletes several products at once.

### 6.18.1 Parameters

| Name       | Type        | Content                                                                      |
|------------|-------------|------------------------------------------------------------------------------|
| sSessionID | String      | The session-ID returned by <code>OXERPLogin</code> .                         |
| aArticle   | OXERPTYPE[] | Each <code>OXERPTYPE</code> must contain the <code>OXID</code> of a product. |

### 6.18.2 Return values

| Name                      | Type        | Content                                                                                                                                |
|---------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------|
| OXERPDeleteArticlesResult | OXERPTYPE[] | Each <code>OXERPTYPE</code> contains the particular <code>OXID</code> .<br><code>blResult</code> indicates if a delete was successful. |

## 6.19 OXERPSetArticleStock

`OXERPSetArticleStock` changes the stock of several products.

### 6.19.1 Parameters

| Name          | Type        | Content                                                                                |
|---------------|-------------|----------------------------------------------------------------------------------------|
| sSessionID    | String      | The session-ID returned by <code>OXERPLogin</code> .                                   |
| aArticleStock | OXERPTYPE[] | In each <code>OXERPTYPE</code> <code>OXID</code> and <code>OXSTOCK</code> must be set. |

### 6.19.2 Return values

| Name                       | Type        | Content                                                                                                                                      |
|----------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| OXERPSetArticleStockResult | OXERPTYPE[] | Each <code>OXERPTYPE</code> contains the particular <code>OXID</code> .<br><code>blResult</code> indicates if a stock update was successful. |

## 6.20 OXERPGetArticleStock

`OXERPGetArticleStock` returns the stock of a product.

### 6.20.1 Parameters

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

### 6.20.2 Return values

| Name                       | Type      | Content                                                                                                               |
|----------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------|
| OXERPGetArticleStockResult | OXERPTYPE | OXERPTYPE contains the particular <code>OXID</code> .<br><code>blResult</code> indicates if operation was successful. |

## 6.21 OXERPSetArticleCategory

`OXERPSetArticleCategory` assigns a Product to categories.

### 6.21.1 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 OXERPTYPE has to contain a <code>OXID</code> of a category. |

### 6.21.2 Return values

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

## 6.22 OXERPGetArticleCategory

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

### 6.22.1 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 5.2). |
| iStart     | Integer   | Amount of objects which are skipped and not returned.                                                            |
| iCount     | Integer   | Limits amount of returned objects.                                                                               |

### 6.22.2 Return values

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

|                               |             |                                                                                  |
|-------------------------------|-------------|----------------------------------------------------------------------------------|
| OXERPGetArticleCategoryResult | OXERPTYPE[] | Each OXERPTYPE contains the values from <i>oxcategories</i> table. See also 5.1. |
|-------------------------------|-------------|----------------------------------------------------------------------------------|

### 6.23 OXERPSetMainArticleCategory

OXERPSetMainArticleCategory sets the main category for a product.

#### 6.23.1 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. |

#### 6.23.2 Return values

| Name                              | Type        | Content                                                                          |
|-----------------------------------|-------------|----------------------------------------------------------------------------------|
| OXERPSetMainArticleCategoryResult | OXERPTYPE[] | Each OXERPTYPE contains the values from <i>oxcategories</i> table. See also 5.1. |

### 6.24 OXERPDeleteArticleCategory

OXERPDeleteArticleCategory deletes a category assignment from a product.

#### 6.24.1 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. |

#### 6.24.2 Return values

| Name                             | Type      | Content                                                                              |
|----------------------------------|-----------|--------------------------------------------------------------------------------------|
| OXERPDeleteArticleCategoryResult | OXERPTYPE | Contains the particular OXID.<br>blResult indicates if the operation was successful. |

### 6.25 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 5.1. |

### 6.25.1 Return values

| Name                        | Type        | Content                                                                             |
|-----------------------------|-------------|-------------------------------------------------------------------------------------|
| OXERPSetArticleActionResult | OXERPTYPE[] | Each OXERPTYPE contains the OXID from <i>oxactions2article</i> table. See also 5.1. |

## 6.26 OXERPGetArticleAction

OXERPGetArticleAction returns the actions a product is assigned to.

### 6.26.1 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 5.2). |
| iStart     | Integer   | Amount of objects which are skipped and not returned.                                                            |
| iCount     | Integer   | Limits amount of returned objects.                                                                               |

### 6.26.2 Return values

| Name                        | Type        | Content                                                                       |
|-----------------------------|-------------|-------------------------------------------------------------------------------|
| OXERPGetArticleActionResult | OXERPTYPE[] | Each OXERPTYPE contains the values from <i>oxactions</i> table. See also 5.1. |

## 6.27 OXERPDeleteActionsArticle

OXERPDeleteActionsArticle deletes an assignment of a product to an action.

### 6.27.1 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. |

### 6.27.2 Return values

| Name                            | Type      | Content                                                                              |
|---------------------------------|-----------|--------------------------------------------------------------------------------------|
| OXERPDeleteActionsArticleResult | OXERPTYPE | Contains the particular OXID.<br>blResult indicates if the operation was successful. |

## 6.28 OXERPSetArticleCrossselling

OXERPSetArticleCrossselling assigns several crosssellings to a product.

### 6.28.1 Parameters

| Name       | Type        | Content                                                                                                               |
|------------|-------------|-----------------------------------------------------------------------------------------------------------------------|
| sSessionID | String      | The session-ID returned by <code>OXERPLogin</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 crossselling. See also 5.1. |

### 6.28.2 Return values

| Name                              | Type        | Content                                                                                                                                                                                      |
|-----------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OXERPSetArticleCrosssellingResult | OXERPTYPE[] | Each <code>OXERPTYPE</code> contains the particular <code>OXID</code> of the <code>oxobject2article</code> table entry.<br><code>blResult</code> indicates if each operation was successful. |

## 6.29 OXERPGetArticleCrossselling

`OXERPGetArticleCrossselling` returns crosssellings assigned to a product.

### 6.29.1 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 5.2). |
| iStart     | Integer   | Amount of objects which are skipped and not returned.                                                            |
| iCount     | Integer   | Limits amount of returned objects.                                                                               |

### 6.29.2 Return values

| Name                              | Type        | Content                                                                                           |
|-----------------------------------|-------------|---------------------------------------------------------------------------------------------------|
| OXERPGetArticleCrosssellingResult | OXERPTYPE[] | Each <code>OXERPTYPE</code> contains the values from <code>oxarticles</code> table. See also 5.1. |

## 6.30 OXERPDeleteCrossselling

`OXERPDeleteCrossselling` deletes a crossselling assignment from a product.

### 6.30.1 Parameters

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

### 6.30.2 Return values

| Name                          | Type      | Content                                                                                           |
|-------------------------------|-----------|---------------------------------------------------------------------------------------------------|
| OXERPDeleteCrosssellingResult | OXERPTYPE | Contains the particular OXID.<br><code>blResult</code> indicates if the operation was successful. |

## 6.31 OXERPSetArticleScalePrice

`OXERPSetArticlesScalePrice` sets scale prices for a product.

### 6.31.1 Parameters

| Name               | Type        | Content                                                                                       |
|--------------------|-------------|-----------------------------------------------------------------------------------------------|
| sSessionID         | String      | The session-ID returned by <code>OXERPLLogin</code> .                                         |
| sArticleID         | String      | The OXID of the product.                                                                      |
| aArticleScalePrice | OXERPTYPE[] | Each OXERPTYPE has to contain the fields of <code>oxprice2article</code> table. See also 5.1. |

### 6.31.2 Return values

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

## 6.32 OXERPGetArticleScalePrice

`OXERPGetArticleScalePrice` returns scale prices for a product.

### 6.32.1 Parameters

| Name       | Type      | Content                                                                                                          |
|------------|-----------|------------------------------------------------------------------------------------------------------------------|
| sSessionID | String    | The session-ID returned by <code>OXERPLLogin</code> .                                                            |
| 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 5.2). |
| iStart     | Integer   | Amount of objects which are skipped and not returned.                                                            |
| iCount     | Integer   | Limits amount of returned objects.                                                                               |

### 6.32.2 Return values

| Name                            | Type        | Content                                                                                        |
|---------------------------------|-------------|------------------------------------------------------------------------------------------------|
| OXERPGetArticleScalePriceResult | OXERPTYPE[] | Each OXERPTYPE contains the values of <code>oxprice2article</code> table fields. See also 5.1. |

### 6.33 OXERPDeleteArticleScalePrice

OXERPDeleteArticleScalePrice deletes a scale price from a product.

#### 6.33.1 Parameters

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

#### 6.33.2 Return values

| Name                               | Type      | Content                                                                              |
|------------------------------------|-----------|--------------------------------------------------------------------------------------|
| OXERPDeleteArticleScalePriceResult | OXERPTYPE | Contains the particular OXID.<br>blResult indicates if the operation was successful. |

### 6.34 OXERPSetArticleAccessoire

OXERPSetArticleAccessoire assigns several accessoires to a product.

#### 6.34.1 Parameters

| Name       | Type        | Content                                                                                  |
|------------|-------------|------------------------------------------------------------------------------------------|
| sSessionID | String      | The session-ID returned by OXERPLLogin.                                                  |
| sArticleID | String      | The OXID of the product.                                                                 |
| aArticle   | OXERPTYPE[] | Each OXERPTYPE contains the OXID of a product to be assigned as accessory. See also 5.1. |

#### 6.34.2 Return values

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

### 6.35 OXERPGetArticleAccessoire

OXERPGetArticleAccessoire returns accessoire products of a product.

#### 6.35.1 Parameters

| Name       | Type   | Content                                 |
|------------|--------|-----------------------------------------|
| sSessionID | String | The session-ID returned by OXERPLLogin. |
| 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 5.2). |
| iStart    | Integer   | Amount of objects which are skipped and not returned.                                                            |
| iCount    | Integer   | Limits amount of returned objects.                                                                               |

### 6.35.2 Return values

| Name                            | Type        | Content                                                                             |
|---------------------------------|-------------|-------------------------------------------------------------------------------------|
| OXERPGetArticleAccessoireResult | OXERPTYPE[] | Each OXERPTYPE contains the values of <i>oxarticles</i> table fields. See also 5.1. |

## 6.36 OXERPDeleteAccessoireArticle

OXERPDeleteAccessoireArticle deletes an asseccoire assignment from a product.

### 6.36.1 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.<br><i>blResult</i> indicates if the operation was successful. |

## 6.37 OXERPSetOrder

OXERPSetOrder creates new orders.

### 6.37.1 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 5.1. |

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.

### 6.37.2 Return values

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

|                     |             |                                                                                                                                                                  |
|---------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OXERPSetOrderResult | OXERPTYPE[] | Each OXERPTYPE contains the OXID of new <i>oxorder</i> table entries. Also contains the OXORDERNR value.<br>blResult indicates if each operation was successful. |
|---------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 6.38 OXERPGetOrder

OXERPGetOrder returns an order for a given order OXID.

#### 6.38.1 Parameters

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

#### 6.38.2 Return values

| Name                | Type      | Content                                                           |
|---------------------|-----------|-------------------------------------------------------------------|
| OXERPGetOrderResult | OXERPTYPE | Contains the values of <i>oxorder</i> table fields. See also 5.1. |

### 6.39 OXERPGetOrders

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

#### 6.39.1 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 5.2). |
| 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.                                                           |

#### 6.39.2 Return values

| Name                 | Type        | Content                                                                          |
|----------------------|-------------|----------------------------------------------------------------------------------|
| OXERPGetOrdersResult | OXERPTYPE[] | Each OXERPTYPE contains the values of <i>oxorder</i> table fields. See also 5.1. |

### 6.40 OXERPDeleteOrder

OXERPDeleteOrder deletes an order.

#### 6.40.1 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.    |

#### 6.40.2 Return values

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

### 6.41 OXERPDeleteOrders

`OXERPDeleteOrders` deletes several orders at once.

#### 6.41.1 Parameters

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

#### 6.41.2 Return values

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

### 6.42 OXERPSetOrderArticle

`OXERPSetOrderArticle` sets products to an order.

#### 6.42.1 Parameters

| Name          | Type        | Content                                                                                                     |
|---------------|-------------|-------------------------------------------------------------------------------------------------------------|
| sSessionID    | String      | The session-ID returned by <code>OXERPLogin</code> .                                                        |
| aOrderArticle | OXERPTYPE[] | Each <code>OXERPTYPE</code> contains the values of <code>oxorderarticles</code> table fields. See also 5.1. |

#### 6.42.2 Return values

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

### 6.43 OXERPGetOrderArticle

`OXERPGetOrderArticle` returns the articles of an order.

#### 6.43.1 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 5.2). |
| iStart     | Integer   | Amount of objects which are skipped and not returned.                                                            |
| iCount     | Integer   | Limits amount of returned objects.                                                                               |

#### 6.43.2 Return values

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

### 6.44 OXERPDeleteOrderArticle

`OXERPDeleteOrderArticle` deletes a product from an order.

#### 6.44.1 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. |

#### 6.44.2 Return values

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

### 6.45 OXERPSetOrderStatus

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

#### 6.45.1 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> <sup>3</sup> , <code>OXERPSTATUS_TIME</code> <b>Fehler! Textmarke nicht definiert.</b> und <code>OXERPSTATUS_TRACKID</code> <b>Fehler! Textmarke nicht definiert.</b> . See also 5.1. |

#### 6.45.2 Return values

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

### 6.46 OXERPSetVendor

`OXERPSetVendor` creates new vendors.

#### 6.46.1 Parameters

| Name       | Type        | Content                                                                                 |
|------------|-------------|-----------------------------------------------------------------------------------------|
| sSessionID | String      | The session-ID returned by <code>OXERPLogin</code> .                                    |
| aVendor    | OXERPTYPE[] | Each OXERPTYPE contains the values of <code>oxvendor</code> table fields. See also 5.1. |

#### 6.46.2 Return values

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

### 6.47 OXERPGetVendor

`OXERPGetVendor` returns a vendor.

#### 6.47.1 Parameters

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

#### 6.47.2 Return values

| Name                 | Type      | Content                                                                  |
|----------------------|-----------|--------------------------------------------------------------------------|
| OXERPGetVendorResult | OXERPTYPE | Contains the values of <code>oxvendor</code> table fields. See also 5.1. |

<sup>3</sup> Always empty in OXID eShop Professional Edition

## 6.48 OXERPGetVendors

OXERPGetVendors returns several vendors.

### 6.48.1 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 5.2). |
| iStart     | Integer   | Amount of objects which are skipped and not returned.                                                            |
| iCount     | Integer   | Limits amount of returned objects.                                                                               |

### 6.48.2 Return values

| Name                  | Type        | Content                                                                           |
|-----------------------|-------------|-----------------------------------------------------------------------------------|
| OXERPGetVendorsResult | OXERPTYPE[] | Each OXERPTYPE contains the values of <i>oxvendor</i> table fields. See also 5.1. |

## 6.49 OXERPDeleteVendor

OXERPDeleteVendor deletes a vendor.

### 6.49.1 Parameters

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

### 6.49.2 Return values

| Name                    | Type      | Content                                                                              |
|-------------------------|-----------|--------------------------------------------------------------------------------------|
| OXERPDeleteVendorResult | OXERPTYPE | Contains the particular OXID.<br>blResult indicates if the operation was successful. |

## 6.50 OXERPDeleteVendors

OXERPDeleteVendors deletes several vendors at once.

### 6.50.1 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. |

### 6.50.2 Return values

| Name                     | Type        | Content                                                                                              |
|--------------------------|-------------|------------------------------------------------------------------------------------------------------|
| OXERPDeleteVendorsResult | OXERPTYPE[] | Each OXERPTYPE contains the particular OXID.<br>blResult indicates if each operation was successful. |

## 6.51 OXERPSetArticleVendor

OXERPSetArticleVendor assigns a vendor to a product.

### 6.51.1 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.                |

### 6.51.2 Return values

| Name                        | Type      | Content                                                                              |
|-----------------------------|-----------|--------------------------------------------------------------------------------------|
| OXERPSetArticleVendorResult | OXERPTYPE | Contains the particular OXID.<br>blResult indicates if the operation was successful. |

## 6.52 OXERPGetArticleVendor

OXERPGetArticleVendor returns the vendor assigned to a product.

### 6.52.1 Parameters

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

### 6.52.2 Return values

| Name                        | Type      | Content                                                       |
|-----------------------------|-----------|---------------------------------------------------------------|
| OXERPGetArticleVendorResult | OXERPTYPE | Contains the fields from <i>oxvendor</i> table. See also 5.1. |

## 6.53 OXERPGetArticleVendors

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

### 6.53.1 Parameters

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

### 6.53.2 Return values

| Name                         | Type        | Content                                                                      |
|------------------------------|-------------|------------------------------------------------------------------------------|
| OXERPGetArticleVendorsResult | OXERPTYPE[] | Each OXERPTYPE contains the fields from <i>oxvendor</i> table. See also 5.1. |

## 6.54 OXERPGetVendorArticles

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

### 6.54.1 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 5.2). |
| iStart     | Integer   | Amount of objects which are skipped and not returned.                                                            |
| iCount     | Integer   | Limits amount of returned objects.                                                                               |

### 6.54.2 Return values

| Name                         | Type        | Content                                                                       |
|------------------------------|-------------|-------------------------------------------------------------------------------|
| OXERPGetVendorArticlesResult | OXERPTYPE[] | Each OXERPTYPE contains the fields from <i>oxarticle</i> table. See also 5.1. |

## 6.55 OXERPSetCountry

OXERPSetCountry creates new countries.

### 6.55.1 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 5.1. |

### 6.55.2 Return values

| Name                  | Type        | Content                                                                                              |
|-----------------------|-------------|------------------------------------------------------------------------------------------------------|
| OXERPSetCountryResult | OXERPTYPE[] | Each OXERPTYPE contains the particular OXID.<br>blResult indicates if each operation was successful. |

## 6.56 OXERPGetCountry

OXERPGetCountry loads a country.

### 6.56.1 Parameters

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

### 6.56.2 Return values

| Name                  | Type      | Content                                                              |
|-----------------------|-----------|----------------------------------------------------------------------|
| OXERPGetCountryResult | OXERPTYPE | Contains the fields from <code>oxcountry</code> table. See also 5.1. |

## 6.57 OXERPGetCountries

`OXERPGetCountries` loads several countries.

### 6.57.1 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 5.2). |
| iStart     | Integer   | Amount of objects which are skipped and not returned.                                                            |
| iCount     | Integer   | Limits amount of returned objects.                                                                               |

### 6.57.2 Return values

| Name                    | Type        | Content                                                                                          |
|-------------------------|-------------|--------------------------------------------------------------------------------------------------|
| OXERPGetCountriesResult | OXERPTYPE[] | Each <code>OXERPTYPE</code> contains the fields from <code>oxcountry</code> table. See also 5.1. |

## 6.58 OXERPDeleteCountry

`OXERPDeleteCountry` deletes a country.

### 6.58.1 Parameters

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

### 6.58.2 Return values

| Name                     | Type      | Content                                                                                                         |
|--------------------------|-----------|-----------------------------------------------------------------------------------------------------------------|
| OXERPDeleteCountryResult | OXERPTYPE | Contains the particular <code>OXID</code> .<br><code>blResult</code> indicates if the operation was successful. |

## 6.59 OXERPSetObject2Category

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

### 6.59.1 Parameters

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

### 6.59.2 Return values

| Name                                       | Type                     | Content                                                                                                                                    |
|--------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <code>OXERPSetObject2CategoryResult</code> | <code>OXERPTYPE[]</code> | Each <code>OXERPTYPE</code> contains a particular <code>OXID</code> .<br><code>blResult</code> indicates if each operation was successful. |

## 6.60 OXERPGetObject2Category

`OXERPGetObject2Category` returns product assignments to categories.

### 6.60.1 Parameters

| Name               | Type      | Content                                                                                                          |
|--------------------|-----------|------------------------------------------------------------------------------------------------------------------|
| sSessionID         | String    | The session-ID returned by <code>OXERPLogin</code> .                                                             |
| sObject2CategoryID | String    | <code>OXID</code> of the <code>oxobject2category</code> entry. May be left empty.                                |
| sArticleID         | String    | <code>OXID</code> of the product. May be left empty.                                                             |
| sCategoryID        | String    | <code>OXID</code> 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 5.2). |
| iStart             | Integer   | Amount of objects which are skipped and not returned.                                                            |
| iCount             | Integer   | Limits amount of returned objects.                                                                               |

### 6.60.2 Return values

| Name                                       | Type                     | Content                                                                                                  |
|--------------------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------|
| <code>OXERPGetObject2CategoryResult</code> | <code>OXERPTYPE[]</code> | Each <code>OXERPTYPE</code> contains the fields from <code>oxobject2category</code> table. See also 5.1. |

### 6.61 OXERPDeleteObject2Category

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

#### 6.61.1 Parameters

| Name               | Type   | Content                                                             |
|--------------------|--------|---------------------------------------------------------------------|
| sSessionID         | String | The session-ID returned by <code>OXERPLLogin</code> .               |
| sObject2CategoryID | String | The OXID of the <i>oxobject2category</i> table entry to be deleted. |

#### 6.61.2 Return values

| Name                                          | Type                    | Content                                                                                           |
|-----------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------|
| <code>OXERPDeleteObject2CategoryResult</code> | <code>OXERPTType</code> | Contains the particular OXID.<br><code>blResult</code> indicates if the operation was successful. |

### 6.62 OXERPCallPlugin

`OXERPCallPlugin` invokes an external plugin.

#### 6.62.1 Parameters

| Name         | Type                      | Content                                               |
|--------------|---------------------------|-------------------------------------------------------|
| sSessionID   | String                    | The session-ID returned by <code>OXERPLLogin</code> . |
| sPluginName  | String                    | The name of invoked plugin.                           |
| aRequestData | <code>OXERPTType[]</code> | Data to be passed to the invoked plugin.              |

#### 6.62.2 Return values

| Name                               | Type                      | Content             |
|------------------------------------|---------------------------|---------------------|
| <code>OXERPCallPluginResult</code> | <code>OXERPTType[]</code> | Plugin output data. |

## 7 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.

### 7.1 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*

### 7.2 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.

## 8 Extending ERP with plugins

With plugins, you can extend the functionality of the SOAP interface. Plugins are called using the function `OXERPCallPlugin` (See 6.62).

### 8.1 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).

### 8.2 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);
    }
}
```

#### 8.2.1 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',  
)
```

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 Expandability of SOAP interface

You can also extend the SOAP interface with own functions, but we advise you to use plugins (See chapter 8) for keeping the ERP easily updatable.

How to extend the SOAP interface is explained with an example: The import of attributes is implemented. As a guideline, oxcountry entries can be taken.

### 9.1 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.

## 9.2 Register new function in WSDL file

A new function called `OXERPSetAttribute` has to be entered in *oxerpservice.wsdl*:

### 9.2.1 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: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>
```

### 9.2.2 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>
```

### 9.2.3 Definition of port types (portType)

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

### 9.2.4 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>

```

### 9.3 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);
}

```

### 9.4 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;
}

```

## 9.5 Usage of new OXERPSetAttribute function

Now attributes can be created by `OXERPSetAttribute` function:

### 9.5.1 Parameters

| Name       | Type        | Content                                                         |
|------------|-------------|-----------------------------------------------------------------|
| sSessionID | String      | The session-ID returned by <code>OXERPLogin</code> .            |
| aAttribute | OXERPTYPE[] | Each OXERPTYPE contains the fields of <i>oxattribute</i> table. |

### 9.5.2 Return values

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