

**OXID eSales  
documentation  
ERP interface (CSV)  
protocol version 2.6.0**

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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 2.6.0 of the ERP-CSV interface. This interface can be used since eShop version 4.0.1.0.

Older protocol versions can still be used. 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

## About the interface

The CSV interface is used for importing and exporting eShop data ( e.g. products, categories, users etc.).

- The import is made from files which were uploaded to the server.
- The export is done by calling a particular URL.
- This URL must contain the version parameter `&version=X.X.X`

In `testdata_examples` directory sample import files for each protocol version are given.

## 1 Installation

- Copy all files from *copy\_this* to the main directory of your eShop
- Open eShop admin
- Go to *Master Settings* -> *Core Settings* -> *System* -> *Modules*
- In *Installed Shop Modules*, add the line `oxerpinterface => erp/oxerpcsv`

## 2 File format conventions for import

- Text files with Windows line breaks
- character encoding: ANSI

## 2.1 Data field specifications

- All data fields are enclosed in double quotes and separated by a semicolon.
- For numbers, a point is used as decimal separator.
- Leading zeros are omitted.
- For fields filled with 0 or 1, 0 always means no, 1 means yes.
- Named data types are taken from MySQL database.

## 2.2 Replacement table

In Import files, the following chars have to be replaced:

| char | Description     | ASCII-Code | Replacement |
|------|-----------------|------------|-------------|
| CR   | Carriage Return | 13         | &#13;       |
| LF   | Line Feed       | 10         | &#10;       |
| "    | Double Quote    | 34         | &#34;       |
| '    | Single Quote    | 39         | &#39;       |

## 2.3 Import file requirements

The first line has to contain version information. Following data can be in any order.

## 3 Importing

### 3.1 By Cronjob

If import is to be run by a cronjob, adjust `modules/ERP/oxerpcron.php` according to your needs. Change file permissions to executable.

## 4 Import interface

At the beginning of each dataset, a char which indicates the data type is set. This char will be called „Indicator char“ in the following text.

### 4.1 Version line

The first line always has to contain information about the used protocol version. Example:

"v", "2.6.0"

| #  | Content/Example | Data type                     | Range  | Field name |
|----|-----------------|-------------------------------|--------|------------|
| 0. | Indicator char  | char(1)                       | [V]    |            |
| 1. | Version number  | char(255) NOT NULL default "" | [0-9.] |            |

## 4.2 Create/update products

If a product with the given OXID already exists, the product is updated with the given values. Otherwise, a new product is created.

| #   | Content/Example                                   | Data type                            | Range                                                                                                                           | Field name <sup>1</sup> |
|-----|---------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| 0.  | Indicator char                                    | char(1)                              | [A]                                                                                                                             |                         |
| 1.  | Product ID                                        | char(32) NOT NULL                    | [0-9a-f.]                                                                                                                       | OXID                    |
| 2.  | Shop ID                                           | char(32) NOT NULL default ""         | 1 - 64                                                                                                                          | OXSHOPID <sup>2</sup>   |
| 3.  | Product used in Shops                             | bigint(20) NOT NULL                  | binary encoded, 64 bit.<br><u>Example:</u><br>Product is in Shops #2 and #7.<br>=> 2nd 7th bit have to be set: The result is 66 | OXSHOPINCL              |
| 4.  | Product not used in Shops                         | bigint(20) NOT NULL                  | binary encoded, 64 bit. See above.                                                                                              | OXSHOPEXCL <sup>3</sup> |
| 5.  | Parent-ID<br>For variants: OXID of parent product | char(32) default NULL                | [0-9a-f.]                                                                                                                       | OXPARENTID              |
| 6.  | Active                                            | tinyint(1) NOT NULL default '1'      | [0,1]                                                                                                                           | OXACTIVE                |
| 7.  | Active from                                       | datetime default 0000-00-00 00:00:00 | YYYY-MM-DD HH:MM:SS                                                                                                             | OXACTIVEFROM            |
| 8.  | Active to                                         | datetime default 0000-00-00 00:00:00 | YYYY-MM-DD HH:MM:SS                                                                                                             | OXACTIVETO              |
| 9.  | Product number                                    | varchar(32) NOT NULL default ""      | [SPACE-~] <sup>4</sup>                                                                                                          | OXARTNUM                |
| 10. | EAN                                               | varchar(13) NOT NULL default ""      | [0-9]                                                                                                                           | OXEAN                   |
| 11. | EAN of distributor                                | varchar(13) NOT NULL default ""      | [0-9]                                                                                                                           | OXDISTEAN               |
| 12. | EAN of manufacturer                               | varchar(13) NOT NULL default ""      | [0-9]                                                                                                                           | OXMPN                   |
| 13. | Title                                             | varchar(255) NOT NULL default ""     | [SPACE-~]                                                                                                                       | OXTITLE                 |

<sup>1</sup> Table: oxarticles

<sup>2</sup> Always 1 in OXID eShop Professional Edition

<sup>3</sup> Always 0 in OXID eShop Professional Edition

<sup>4</sup> ASCII chr(32) – chr(126)

| #   | Content/Example         | Data type                        | Range                                                                                                                                                            | Field name <sup>1</sup> |
|-----|-------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| 14. | Short description       | varchar(255) NOT NULL default '' | [SPACE-~]                                                                                                                                                        | OXSHORTDESC             |
| 15. | Price                   | double NOT NULL default '0'      | -<br>1.7976931348623157<br>E+308<br>to<br>-<br>2.2250738585072014<br>E-308, 0, and<br>2.2250738585072014<br>E-308 to<br>1.7976931348623157<br>E+308 <sup>5</sup> | OXPRICE                 |
| 16. | Product has fixed price | tinyint(1) NOT NULL default '0'  | [0,1]                                                                                                                                                            | OXBLFIXEDPRICE          |
| 17. | Price A                 | double NOT NULL default '0'      | -<br>1.7976931348623157<br>E+308<br>to<br>-<br>2.2250738585072014<br>E-308, 0, and<br>2.2250738585072014<br>E-308 to<br>1.7976931348623157<br>E+308              | OXPRICEA                |
| 18. | Price B                 | double NOT NULL default '0'      | see above                                                                                                                                                        | OXPRICEB                |
| 19. | Price C                 | double NOT NULL default '0'      | see above                                                                                                                                                        | OXPRICEC                |
| 20. | Purchase price          | double NOT NULL default '0'      | see above                                                                                                                                                        | OXBPRICE                |
| 21. | RRP                     | double NOT NULL default '0'      | see above                                                                                                                                                        | OXTPRICE                |
| 22. | Unit                    | varchar(32) NOT NULL default ''  | [SPACE-~]                                                                                                                                                        | OXUNITNAME              |
| 23. | Quantity                | double NOT NULL default '0'      | see field 16                                                                                                                                                     | OXUNITQUANTITY          |
| 24. | External URL            | varchar(255) NOT NULL default '' | valid URL without<br><i>http://</i>                                                                                                                              | OXEXTURL                |

<sup>5</sup> Ranges defined by IEEE. The range that can be used is determined by hardware and operating system.

| #   | Content/Example                                     | Data type                           | Range                      | Field name <sup>1</sup> |
|-----|-----------------------------------------------------|-------------------------------------|----------------------------|-------------------------|
| 25. | Short description for external URL                  | varchar(255) NOT NULL<br>default "" | [SPACE-~]                  | OXURLDESC               |
| 26. | URL of picture for external URL                     | varchar(128) NOT NULL<br>default "" | see field 23               | OXURLIMG                |
| 27. | Special VAT for this product                        | double default NULL                 | see field 16<br>Default: 0 | OXVAT                   |
| 28. | Filename (without path), Default: <i>nopic.jpg</i>  | varchar(128) NOT NULL<br>default "" | [SPACE-~] <sup>6</sup>     | OXTHUMB                 |
| 29. | Filename (without path), Default: <i>nopic.jpg</i>  | varchar(128) NOT NULL<br>default "" | [SPACE-~]                  | OXICON                  |
| 30. | Is pictures generated, Default '0'                  | tinyint(3) NOT NULL                 | [0-1]                      | OXPICSGENERATED         |
| 31. | Filename (without path), Default: <i>nopic.jpg</i>  | varchar(128) NOT NULL<br>default "" | [SPACE-~]                  | OXPIC1                  |
| 32. | Filename (without path) , Default: <i>nopic.jpg</i> | varchar(128) NOT NULL<br>default "" | [SPACE-~]                  | OXPIC2                  |
| 33. | Filename (without path), Default: <i>nopic.jpg</i>  | varchar(128) NOT NULL<br>default "" | [SPACE-~]                  | OXPIC3                  |
| 34. | Filename (without path), Default: <i>nopic.jpg</i>  | varchar(128) NOT NULL<br>default "" | [SPACE-~]                  | OXPIC4                  |
| 35. | Filename (without path), Default: <i>nopic.jpg</i>  | varchar(128) NOT NULL<br>default "" | [SPACE-~]                  | OXPIC5                  |
| 36. | Filename (without path), Default: <i>nopic.jpg</i>  | varchar(128) NOT NULL<br>default "" | [SPACE-~]                  | OXPIC6                  |
| 37. | Filename (without path), Default: <i>nopic.jpg</i>  | varchar(128) NOT NULL<br>default "" | [SPACE-~]                  | OXPIC7                  |
| 38. | Filename (without path), Default: <i>nopic.jpg</i>  | varchar(128) NOT NULL<br>default "" | [SPACE-~]                  | OXPIC8                  |

<sup>6</sup> Dependant on the file system

| #   | Content/Example                                             | Data type                                                                | Range                                                                                                     | Field name <sup>1</sup> |
|-----|-------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------|
| 39. | Filename (without path), Default: <i>nopic.jpg</i>          | varchar(128) NOT NULL default ''                                         | [SPACE-~]                                                                                                 | XPIC9                   |
| 40. | Filename (without path), Default: <i>nopic.jpg</i>          | varchar(128) NOT NULL default ''                                         | [SPACE-~]                                                                                                 | XPIC10                  |
| 41. | Filename (without path), Default: <i>nopic.jpg</i>          | varchar(128) NOT NULL default ''                                         | [SPACE-~]                                                                                                 | XPIC11                  |
| 42. | Filename (without path), Default: <i>nopic.jpg</i>          | varchar(128) NOT NULL default ''                                         | [SPACE-~]                                                                                                 | XPIC12                  |
| 43. | Weight                                                      | double NOT NULL default '0'                                              | see field 16                                                                                              | OXWEIGHT                |
| 44. | Stock                                                       | int(11) NOT NULL default '-1' <sup>7</sup>                               | 0 – 2147483647                                                                                            | OXSTOCK                 |
| 45. | Delivery Status                                             | enum('1','2','3','4') NOT NULL default '1'                               | 1. Standard<br>2. If out of Stock, offline<br>3. If out of Stock, not orderable<br>4. External Storehouse | OXSTOCKFLAG             |
| 46. | In Stock Message                                            | varchar(255) NOT NULL default ''                                         | [SPACE-~]                                                                                                 | OXSTOCKTEXT             |
| 47. | Out of Stock Message                                        | varchar(255) NOT NULL default ''                                         | [SPACE-~]                                                                                                 | OXNOSTOCKTEXT           |
| 48. | Available on                                                | date NOT NULL default '0000-00-00'                                       | YYYY-MM-DD                                                                                                | OXDELIVERY              |
| 49. | Date of creation (is ignored, actual date taken instead)    | date NOT NULL default '0000-00-00'                                       | YYYY-MM-DD                                                                                                | OXINSERT                |
| 50. | Date of last change (is ignored, actual date taken instead) | timestamp NOT NULL default CURRENT_TIMESTAMP on update CURRENT_TIMESTAMP | YYYY-MM-DD<br>HH:MM:SS                                                                                    | OXTIMESTAMP             |
| 51. | Length                                                      | double NOT NULL default '0'                                              | see field 16                                                                                              | OXLENGTH                |

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-1 was a special value in older versions. Negative values are not to be used in Enterprise Edition any more.

| #   | Content/Example                                                 | Data type                        | Range                | Field name <sup>1</sup> |
|-----|-----------------------------------------------------------------|----------------------------------|----------------------|-------------------------|
| 52. | Width                                                           | double NOT NULL default '0'      | see field 16         | OXWIDTH                 |
| 53. | Height                                                          | double NOT NULL default '0'      | see field 16         | OXHEIGHT                |
| 54. | File                                                            | varchar(128) NOT NULL default '' | [SPACE-~]            | OXFILE                  |
| 55. | Search Terms                                                    | varchar(255) NOT NULL default '' | [SPACE-~]            | OXSEARCHKEYS            |
| 56. | Alt. Template                                                   | varchar(128) NOT NULL default '' | [SPACE-~]            | OXTEMPLATE              |
| 57. | Alt. Contact                                                    | varchar(255) NOT NULL default '' | valid e-Mail address | OXQUESTIONEMAIL         |
| 58. | Searchable                                                      | tinyint(1) NOT NULL default '1'  | [0,1]                | OXISSEARCH              |
| 59. | Is product configurable with persistent parameters, Default '0' | tinyint(1) NOT NULL default '0'  | [0,1]                | OXISCONFIGURABLE        |
| 60. | For variants: Name of variant selection (e.g. Color)            | varchar(32) NOT NULL default ''  | [SPACE-~]            | OXVARNAME               |
| 61. | Stock of all variants                                           | int(5) NOT NULL default '0'      | 0 – 2147483647       | OXVARSTOCK              |
| 62. | Amount of variants                                              | int(1) NOT NULL default '0'      | 0 – 2147483647       | OXVARCOUNT              |
| 63. | Name of variant (e.g. green)                                    | varchar(32) NOT NULL default ''  | [SPACE-~]            | OXVARSELECT             |
| 64. | lowest price of all variants                                    | double NOT NULL default '0'      | see field 16         | OXVARMINPRICE           |
| 65. | Name of variant selection in language 1                         | varchar(32) NOT NULL default ''  | [SPACE-~]            | OXVARNAME_1             |
| 66. | Name of variant in language 1                                   | varchar(32) NOT NULL default ''  | [SPACE-~]            | OXVARSELECT_1           |
| 67. | Name of variant selection in language 2                         | varchar(32) NOT NULL default ''  | [SPACE-~]            | OXVARNAME_2             |
| 68. | Name of variant in language 2                                   | varchar(32) NOT NULL default ''  | [SPACE-~]            | OXVARSELECT_2           |
| 69. | Name of variant selection in language 3                         | varchar(32) NOT NULL default ''  | [SPACE-~]            | OXVARNAME_3             |
| 70. | Name of variant in language 2                                   | varchar(32) NOT NULL default ''  | [SPACE-~]            | OXVARSELECT_3           |
| 71. | Title in language 1                                             | varchar(255) NOT NULL default '' | [SPACE-~]            | OXTITLE_1               |
| 72. | Short description in language 1                                 | varchar(255) NOT NULL default '' | [SPACE-~]            | OXSHORTDESC_1           |

| #   | Content/Example                    | Data type                        | Range                   | Field name <sup>1</sup> |
|-----|------------------------------------|----------------------------------|-------------------------|-------------------------|
| 73. | URL description in language 1      | varchar(255) NOT NULL default '' | see field 23            | OXURLDESC_1             |
| 74. | Search terms in language 1         | varchar(255) NOT NULL default '' | [SPACE-~]               | OXSEARCHKEYS_1          |
| 75. | Title in language 2                | varchar(255) NOT NULL default '' | [SPACE-~]               | OXTITLE_2               |
| 76. | Short description in language 2    | varchar(255) NOT NULL default '' | [SPACE-~]               | OXSHORTDESC_2           |
| 77. | URL description in language 2      | varchar(255) NOT NULL default '' | see field 23            | OXURLDESC_2             |
| 78. | Search terms in language 2         | varchar(255) NOT NULL default '' | [SPACE-~]               | OXSEARCHKEYS_2          |
| 79. | Title in language 3                | varchar(255) NOT NULL default '' | [SPACE-~]               | OXTITLE_3               |
| 80. | Short description in language 3    | varchar(255) NOT NULL default '' | [SPACE-~]               | OXSHORTDESC_3           |
| 81. | URL description in language 3      | varchar(255) NOT NULL default '' | see field 23            | OXURLDESC_3             |
| 82. | Search terms in language 3         | varchar(255) NOT NULL default '' | [SPACE-~]               | OXSEARCHKEYS_3          |
| 83. | (always empty)                     | varchar(32) NOT NULL default ''  | always empty            | OXFOLDER                |
| 84. | class                              | varchar(32) NOT NULL default ''  | always <i>oxarticle</i> | OXSUBCLASS              |
| 85. | In Stock Message in language 1     | varchar(255) NOT NULL default '' | [SPACE-~]               | OXSTOCKTEXT_1           |
| 86. | In Stock Message in language 2     | varchar(255) NOT NULL default '' | [SPACE-~]               | OXSTOCKTEXT_2           |
| 87. | In Stock Message in language 3     | varchar(255) NOT NULL default '' | [SPACE-~]               | OXSTOCKTEXT_3           |
| 88. | Out of Stock Message in language 1 | varchar(255) NOT NULL default '' | [SPACE-~]               | OXNOSTOCKTEXT_1         |
| 89. | Out of Stock Message in language 2 | varchar(255) NOT NULL default '' | [SPACE-~]               | OXNOSTOCKTEXT_2         |
| 90. | Out of Stock Message in language 3 | varchar(255) NOT NULL default '' | [SPACE-~]               | OXNOSTOCKTEXT_3         |
| 91. | Sorting                            | int(5) NOT NULL default '0'      | 0 – 2147483647          | OXSORT                  |
| 92. | Amount of sold units               | double NOT NULL default '0'      | see field 16            | OXSOLDAMOUNT            |
| 93. | Intangible Product                 | int(1) NOT NULL default '0'      | [0,1]                   | OXNONMATERIAL           |
| 94. | Free Shipping                      | int(1) NOT NULL default '0'      | [0,1]                   | OXFREESHIPPING          |

| #    | Content/Example                        | Data type                                        | Range               | Field name <sup>1</sup>     |
|------|----------------------------------------|--------------------------------------------------|---------------------|-----------------------------|
| 95.  | Send e-mail if Stock falls below Value | int(1) NOT NULL default '0'                      | [0,1]               | OXREMINDACTIV               |
| 96.  | Value for low Stock e-mail             | double NOT NULL default '0'                      | see field 16        | OXREMINDAMOUNT              |
| 97.  | (always empty)                         | varchar(32) NOT NULL default ''                  | always empty        | OXAMITEMID                  |
| 98.  | (always empty)                         | varchar(16) NOT NULL default '0'                 | always empty        | OXAMTASKID                  |
| 99.  | Vendor ID                              | varchar(32) NOT NULL default ''                  | [0-9a-f.]           | OXVENDORID                  |
| 100. | Skip all negative Discounts            | tinyint(1) NOT NULL default '0'                  | [0,1]               | OXSKIPDISCOUNTS             |
| 101. | Additional info in order confirmation  | varchar(255) NOT NULL                            | [SPACE-~]           | OXORDERINFO                 |
| 102. | Export to pixi*                        | tinyint(4) NOT NULL default '0'                  | [0,1]               | OXPIXIEXPORT                |
| 103. | Export to pixi* timestamp              | timestamp NOT NULL default '0000-00-00 00:00:00' | YYYY-MM-DD HH:MM:SS | OXPIXIEXPORTED <sup>8</sup> |
| 104. | Packaging unit                         | int(11) NOT NULL default '1'                     | 0 – 2147483647      | OXVPE                       |
| 105. | Average rating                         | Double NOT NULL default '0'                      | see field 16        | OXRATING                    |
| 106. | Amount of ratings                      | Int (11) NOT NULL default '0'                    | 0 – 2147483647      | OXRATINGCNT                 |
| 107. | Minimal delivery time                  | Int (11) NOT NULL default '0'                    | 0 – 2147483647      | OXMINDELTIME                |
| 108. | Maximal delivery time                  | Int (11) NOT NULL default '0'                    | 0 – 2147483647      | OXMAXDELTIME                |
| 109. | Delivery time unit                     | varchar(255) NOT NULL default ''                 | [SPACE-~]           | OXDELTIMEUNIT               |
| 110. | Long description                       | text                                             | [SPACE-~]           | OXLONGDESC                  |
| 111. | Long description in language 1         | text NOT NULL                                    | [SPACE-~]           | OXLONGDESC_1                |
| 112. | Long description in language 2         | text NOT NULL                                    | [SPACE-~]           | OXLONGDESC_2                |
| 113. | Long description in language 3         | text NOT NULL                                    | [SPACE-~]           | OXLONGDESC_3                |

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In OXID eShop Professional Edition always 0000-00-00 00:00:00

### 4.3 Update extended properties of products

With this function long descriptions and tags can be imported for existing products.

| #  | Content/Example                | Data type             | Range     | Field name <sup>9</sup> |
|----|--------------------------------|-----------------------|-----------|-------------------------|
| 0. | Indicator char                 | char(1)               | [Y]       |                         |
| 1. | Product ID                     | char(32) NOT NULL     | [0-9a-f.] | OXID                    |
| 2. | long description               | text                  | [SPACE-~] | OXLONGDESC              |
| 3. | Long description in language 1 | text NOT NULL         | [SPACE-~] | OXLONGDESC_1            |
| 4. | Long description in language 2 | text NOT NULL         | [SPACE-~] | OXLONGDESC_2            |
| 5. | Long description in language 3 | text NOT NULL         | [SPACE-~] | OXLONGDESC_3            |
| 6. | Tags                           | varchar(255) NOT NULL | [SPACE-~] | OXTAGS                  |
| 7. | Tags in language 1             | varchar(255) NOT NULL | [SPACE-~] | OXTAGS_1                |
| 8. | Tags in language 2             | varchar(255) NOT NULL | [SPACE-~] | OXTAGS_2                |
| 9. | Tags in language 3             | varchar(255) NOT NULL | [SPACE-~] | OXTAGS_3                |

### 4.4 Delete products

When deleting a product, all assignments for this product (crossselling, categories etc.) are deleted from database aswell.

| # | Content/Example | Data type                    | Range     | Field name |
|---|-----------------|------------------------------|-----------|------------|
| 0 | Indicator char  | char(2)                      | [XA]      |            |
| 1 | Product number  | char(32) NOT NULL default '' | [0-9a-f.] | OXID       |

### 4.5 Create/Update categories

If a category with the given OXID already exists, the category is updated with the given values. Otherwise, a new category is created.

| #  | Content/Example           | Data type                       | Range           | Field name <sup>10</sup> |
|----|---------------------------|---------------------------------|-----------------|--------------------------|
| 0. | Indicator char            | char(1)                         | [K]             |                          |
| 1. | Category ID               | varchar(32) NOT NULL default '' | [0-9a-f.]       | OXID                     |
| 2. | Parent category ID        | varchar(32) NOT NULL default '' | [0-9a-f.]       | OXPARENTID               |
| 3. | Nested category tree left | int(11) NOT NULL default '0'    | 0 to 2147483647 | OXLEFT                   |

<sup>9</sup> Table: oxartextends

<sup>10</sup> Table: oxcategories

| #   | Content/Example                               | Data type                                | Range                                                                                                                            | Field name <sup>10</sup> |
|-----|-----------------------------------------------|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 4.  | Nested category tree right                    | int(11) NOT NULL default '0'             | 0 to 2147483647                                                                                                                  | OXRIGHT                  |
| 5.  | Nested Category tree root                     | varchar(32) NOT NULL default ''          | [0-9a-f.]                                                                                                                        | OXROOTID                 |
| 6.  | Sorting                                       | int(11) NOT NULL default '9999'          | 0 to 2147483647                                                                                                                  | OXSORT                   |
| 7.  | Active                                        | tinyint(1) NOT NULL default '1'          | [0,1]                                                                                                                            | OXACTIVE                 |
| 8.  | Hidden                                        | tinyint(1) NOT NULL default '0'          | [0,1]                                                                                                                            | OXHIDDEN                 |
| 9.  | Shop-ID of Shop in which Category was created | varchar(255) NOT NULL default ''         | 1 to 64                                                                                                                          | OXSHOPID                 |
| 10. | Category used in Shops                        | bigint(20) unsigned NOT NULL default '0' | binary encoded, 64 bit.<br><u>Example:</u><br>Category is in Shops #2 and #7.<br>=> 2nd 7th bit have to be set: The result is 66 | OXSHOPINCL               |
| 11. | Category not used in Shops                    | bigint(20) unsigned NOT NULL default '0' | see field 10                                                                                                                     | OXSHOPEXCL               |
| 12. | Title                                         | varchar(254) NOT NULL default ''         | [SPACE-~]                                                                                                                        | OXTITLE                  |
| 13. | Short description                             | varchar(255) NOT NULL default ''         | [SPACE-~]                                                                                                                        | OXDESC                   |
| 14. | Long description                              | text NOT NULL                            | [SPACE-~]                                                                                                                        | OXLONGDESC               |
| 15. | Filename of Thumbnail (without path)          | varchar(128) NOT NULL default ''         | [SPACE-~]                                                                                                                        | OXTHUMB                  |
| 16. | External URL                                  | varchar(255) NOT NULL default ''         | valid URL                                                                                                                        | OXEXTLINK                |
| 17. | Alt. Template                                 | varchar(128) NOT NULL default ''         | [SPACE-~]                                                                                                                        | OXTEMPLATE               |
| 18. | Fast sorting(field name from oxarticles)      | varchar(64) NOT NULL default ''          | [a-z]                                                                                                                            | OXDEFSORT                |
| 19. | sorting mode (asc/desc)                       | tinyint(1) NOT NULL default '0'          | [0,1]                                                                                                                            | OXDEFSORTMODE            |

| #   | Content/Example                 | Data type                        | Range                                                                                                                                               | Field name <sup>10</sup> |
|-----|---------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 20. | Price from                      | double                           | -<br>1.7976931348623157<br>E+308<br>to<br>-<br>2.2250738585072014<br>E-308, 0, and<br>2.2250738585072014<br>E-308 to<br>1.7976931348623157<br>E+308 | OXPRICEFROM              |
| 21. | Price to                        | double NOT NULL                  | see above                                                                                                                                           | OXPRICETO                |
| 22. | Active in language 1            | char(1) NOT NULL default ""      | [0,1]                                                                                                                                               | OXACTIV_1                |
| 23. | Title in language 1             | varchar(255) NOT NULL default "" | [SPACE-~]                                                                                                                                           | OXTITLE_1                |
| 24. | Short description in language 1 | varchar(255) NOT NULL default "" | [SPACE-~]                                                                                                                                           | OXDESC_1                 |
| 25. | Long description in language 1  | text NOT NULL                    | [SPACE-~]                                                                                                                                           | OXLONGDESC_1             |
| 26. | Active in language 2            | char(1) NOT NULL default ""      | [0,1]                                                                                                                                               | OXACTIV_2                |
| 27. | Title in language 2             | varchar(255) NOT NULL default "" | [SPACE-~]                                                                                                                                           | OXTITLE_2                |
| 28. | Short description in language 2 | varchar(255) NOT NULL default "" | [SPACE-~]                                                                                                                                           | OXDESC_2                 |
| 29. | Long description in language 2  | text NOT NULL                    | [SPACE-~]                                                                                                                                           | OXLONGDESC_2             |
| 30. | Active in language 3            | char(1) NOT NULL default ""      | [0,1]                                                                                                                                               | OXACTIV_3                |
| 31. | Title in language 3             | varchar(255) NOT NULL default "" | [SPACE-~]                                                                                                                                           | OXTITLE_3                |
| 32. | Short description in language 3 | varchar(255) NOT NULL default "" | [SPACE-~]                                                                                                                                           | OXDESC_3                 |

| #   | Content/Example                           | Data type                       | Range     | Field name <sup>10</sup> |
|-----|-------------------------------------------|---------------------------------|-----------|--------------------------|
| 33. | Long description in language 3            | text NOT NULL                   | [SPACE-~] | OXLONGDESC_3             |
| 34. | Filename of category image (without path) | varchar(128) NOT NULL           | [SPACE-~] | OXICON                   |
| 35. | Special VAT                               | float default NULL              |           | OXVAT                    |
| 36. | Skip all negative Discounts               | tinyint(1) NOT NULL default '0' | [0,1]     | OXSKIPDISCOUNTS          |
| 37. | Show SEO Suffix in Category               | tinyint(1) NOT NULL default '1' | [0,1]     | OXSHOWSUFFIX             |

#### 4.6 Delete categories

| #  | Content/Example | Data type                    | Range     | Field name |
|----|-----------------|------------------------------|-----------|------------|
| 0. | Indicator char  | char(2)                      | [XK]      |            |
| 1. | Category ID     | char(32) NOT NULL default '' | [0-9a-f.] | OXID       |

#### 4.7 Create/Update vendors

If a vendor with the given OXID already exists, the vendor is updated with the given values. Otherwise, a new vendor is created.

| #  | Content/Example                             | Data type                                | Range                                                                                                                               | Field name <sup>11</sup> |
|----|---------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 0. | Indicator char                              | char(1)                                  | [H]                                                                                                                                 |                          |
| 1. | Vendor ID                                   | char(32) NOT NULL default ''             | [0-9a-f.]                                                                                                                           | OXID                     |
| 2. | Shop ID of Shop in which vendor was created | char(32) NOT NULL default ''             | 1 to 64                                                                                                                             | OXSHOPID                 |
| 3. | Vendor used in Shops                        | bigint(20) unsigned NOT NULL default '0' | binary encoded, 64 bit.<br><u>Example:</u><br>Category is in Shops #2 and #7.<br>=> 2nd 7th bit have to be set:<br>The result is 66 | OXSHOPINCL               |
| 4. | Vendor not used in Shops                    | bigint(20) unsigned NOT NULL default '0' | Binary encoded, see above                                                                                                           | OXSHOPEXCL               |

<sup>11</sup>

Table: oxvendor

| #   | Content/Example                 | Data type                       | Range     | Field name <sup>11</sup> |
|-----|---------------------------------|---------------------------------|-----------|--------------------------|
| 5.  | Active                          | tinyint(1) NOT NULL default '1' | [0,1]     | OXACTIVE                 |
| 6.  | Filename of Icon                | char(128) NOT NULL default ''   | [SPACE-~] | OXICON                   |
| 7.  | Title                           | char(255) NOT NULL default ''   | [SPACE-~] | OXTITLE                  |
| 8.  | Short description               | char(255) NOT NULL default ''   | [SPACE-~] | OXSHORTDESC              |
| 9.  | Title in language 1             | char(255) NOT NULL default ''   | [SPACE-~] | OXTITLE_1                |
| 10. | Short description in language 1 | char(255) NOT NULL default ''   | [SPACE-~] | OXSHORTDESC_1            |
| 11. | Title in language 2             | char(255) NOT NULL default ''   | [SPACE-~] | OXTITLE_2                |
| 12. | Short description in language 2 | char(255) NOT NULL default ''   | [SPACE-~] | OXSHORTDESC_2            |
| 13. | Title in language 3             | char(255) NOT NULL default ''   | [SPACE-~] | OXTITLE_3                |
| 14. | Short description in language 3 | char(255) NOT NULL default ''   | [SPACE-~] | OXSHORTDESC_3            |
| 15. | Show SEO suffix                 | tinyint(1) NOT NULL default '1' | [0,1]     | OXSHOWSUFFIX             |

#### 4.8 Delete Vendor

| # | Content/Example | Data type                    | Range     | Field name |
|---|-----------------|------------------------------|-----------|------------|
|   | Indicator char  | char(2)                      | [XH]      |            |
|   | Vendor ID       | char(32) NOT NULL default '' | [0-9a-f.] | OXID       |

#### 4.9 Create/update crossselling assignment

If a crossselling assignment with the given OXID already exists, the crossselling assignment is updated with the given values. Otherwise, a new crossselling assignment is created.

| #  | Content/Example                                              | Data type                    | Range     | Field name <sup>12</sup> |
|----|--------------------------------------------------------------|------------------------------|-----------|--------------------------|
| 0. | Indicator char                                               | char(1)                      | [C]       |                          |
| 1. | ID of product which is assigned as crossselling              | char(32) NOT NULL default '' | [SPACE-~] | OXOBJECTID               |
| 2. | ID of the product to which the other product is assigned to. | char(32) NOT NULL default '' | [SPACE-~] | OXARTICLEID              |

<sup>12</sup>

Table: oxobject2article

| #  | Content/Example            | Data type                    | Range           | Field name <sup>12</sup> |
|----|----------------------------|------------------------------|-----------------|--------------------------|
| 3. | Sorting                    | int(5) NOT NULL default '0'  | 0 to 2147483647 | OXSORT                   |
| 4. | Crossselling assignment ID | char(32) NOT NULL default '' | [0-9a-f.]       | OXID                     |

#### 4.10 Delete Crossselling assignment

| # | Content/Example            | Data type                    | Range     | Field name |
|---|----------------------------|------------------------------|-----------|------------|
|   | Indicator char             | char(2)                      | [XC]      |            |
|   | Crossselling assignment ID | char(32) NOT NULL default '' | [0-9a-f.] | OXID       |

#### 4.11 Create/Update Accessory assignment

If an accessory assignment with the given OXID already exists, the accessory assignment is updated with the given values. Otherwise, a new accessory assignment is created.

| #  | Content/Example                                              | Data type                    | Range           | Field name <sup>13</sup> |
|----|--------------------------------------------------------------|------------------------------|-----------------|--------------------------|
| 0. | Indicator char                                               | char(1)                      | [Z]             |                          |
| 1. | ID of product which is assigned as accessory                 | char(32) NOT NULL default '' | [SPACE-~]       | OXOBJECTID               |
| 2. | ID of the product to which the other product is assigned to. | char(32) NOT NULL default '' | [SPACE-~]       | OXARTICLEID              |
| 3. | Sorting                                                      | int(5) NOT NULL default '0'  | 0 to 2147483647 | OXSORT                   |
| 4. | Accessory assignment ID                                      | char(32) NOT NULL default '' | [0-9a-f.]       | OXID                     |

#### 4.12 Delete Accessory Assignment

| # | Content/Example         | Data type                    | Range     | Field name |
|---|-------------------------|------------------------------|-----------|------------|
|   | Indicator char          | char(2)                      | [XZ]      |            |
|   | Accessory assignment ID | char(32) NOT NULL default '' | [0-9a-f.] | OXID       |

#### 4.13 Create/Update Category assignments

If a category assignment with the given OXID already exists, the category assignment is updated with the given values. Otherwise, a new category assignment is created.

| #  | Content/Example        | Data type                    | Range     | Field name <sup>14</sup> |
|----|------------------------|------------------------------|-----------|--------------------------|
| 0. | Indicator char         | char(1)                      | [T]       |                          |
| 1. | category assignment ID | char(32) NOT NULL default '' | [0-9a-f.] | OXID                     |
| 2. | Shop-ID                | integer(11) NOT NULL         | 1 to 64   | OXSHOPID                 |

<sup>13</sup> Table: oxaccessoire2article

<sup>14</sup> Table: oxobject2category

| #  | Content/Example                                                                       | Data type                    | Range                                                                                                                               | Field name <sup>14</sup> |
|----|---------------------------------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 3. | Assignment used in Shops                                                              | bigint(20) NOT NULL          | binary encoded, 64 bit.<br><u>Example:</u><br>Category is in Shops #2 and #7.<br>=> 2nd 7th bit have to be set:<br>The result is 66 | OXSHOPINCL               |
| 4. | Assignment not used in Shops                                                          | bigint(20) NOT NULL          | see above                                                                                                                           | OXSHOPEXCL               |
| 5. | Product ID                                                                            | char(32) NOT NULL default '' | [0-9a-f.]                                                                                                                           | OXOBJECTID               |
| 6. | Category ID                                                                           | char(32) NOT NULL default '' | [0-9a-f.]                                                                                                                           | OXCATNID                 |
| 7. | Sorting                                                                               | int(11) NOT NULL default '0' | 0 to 2147483647                                                                                                                     | OXPOS                    |
| 8. | Timestamp (The entry with the oldest timestamp is automatically set as main category) | int(11) NOT NULL default '0' | 0 to 2147483647                                                                                                                     | OXTIME                   |

#### 4.14 Set main category

If a main category is already set, the setting is overwritten.

| #  | Content/Example | Data type                    | Range     | Field name |
|----|-----------------|------------------------------|-----------|------------|
| 0. | Indicator char  | char(1)                      | [M]       |            |
| 1. | Product ID      | char(32) NOT NULL default '' | [0-9a-f.] | OXOBJECTID |
| 2. | Category ID     | char(32) NOT NULL default '' | [0-9a-f.] | OXCATNID   |

#### 4.15 Delete Category assignment

| # | Content/Example        | Data type                    | Range     | Field name |
|---|------------------------|------------------------------|-----------|------------|
|   | Indicator char         | char(2)                      | [XT]      |            |
|   | Category Assignment ID | char(32) NOT NULL default '' | [0-9a-f.] | OXID       |

#### 4.16 Create/update action assignment

If an action assignment with the given OXID already exists, the action assignment is updated with the given values. Otherwise, a new action assignment is created.

| #  | Content/Example      | Data type                    | Range                                                                                                                                                                                                                                                                 | Field name <sup>15</sup> |
|----|----------------------|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 0. | Indicator char       | char(1)                      | [I]                                                                                                                                                                                                                                                                   |                          |
| 1. | Shop-ID              | char(32) NOT NULL default '' | 1 – 64                                                                                                                                                                                                                                                                | OXSHOPID                 |
| 2. | Action ID            | char(32) NOT NULL default '' | <u>oxstart</u><br>front page<br><u>oxtopstart</u><br>Top offer front page<br><u>oxfirststart</u><br>Big offer front page<br><u>oxbargain</u><br>Bargain<br><u>oxtop5</u><br>Top of the Shop<br><u>oxcatoffer</u><br>Category offer<br><u>oxnewest</u><br>Just arrived | OXACTIONID               |
| 3. | Product ID           | char(32) NOT NULL default '' | [0-9a-f.]                                                                                                                                                                                                                                                             | OXARTID                  |
| 4. | Sorting              | int(11) NOT NULL default '0' | 0 to 2147483647                                                                                                                                                                                                                                                       | OXSORT                   |
| 5. | Action assignment ID | char(32) NOT NULL default '' | [0-9a-f.]                                                                                                                                                                                                                                                             | OXID                     |

#### 4.17 Delete action assignment

| # | Content/Example      | Data type                    | Range     | Field name |
|---|----------------------|------------------------------|-----------|------------|
|   | Indicator char       | char(2)                      | [XI]      |            |
|   | Action Assignment ID | char(32) NOT NULL default '' | [0-9a-f.] | OXID       |

#### 4.18 Create/update scale prices

If a scale price with the given OXID already exists, the scale price is updated with the given values. Otherwise, a new scale price is created.

| #  | Content/Example | Data type                    | Range     | Field name <sup>16</sup> |
|----|-----------------|------------------------------|-----------|--------------------------|
| 0. | Indicator char  | char(1)                      | [P]       |                          |
| 1. | Shop ID         | char(32) NOT NULL default '' | 1 to 64   | OXSHOPID                 |
| 2. | Product ID      | char(32) NOT NULL default '' | [0-9a-f.] | OXARTID                  |

<sup>15</sup> Table: oxactions2article

<sup>16</sup> Table: oxprice2article

|    |                         |                              |                                                                                                                                                     |            |
|----|-------------------------|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 3. | Absolute surcharge      | double NOT NULL default '0'  | -<br>1.7976931348623157<br>E+308<br>to<br>-<br>2.2250738585072014<br>E-308, 0, und<br>2.2250738585072014<br>E-308 to<br>1.7976931348623157<br>E+308 | OXADDABS   |
| 4. | Relative surcharge in % | double NOT NULL default '0'  | siehe Feld 3                                                                                                                                        | OXADDPERC  |
| 5. | Amount from             | double NOT NULL default '0'  | siehe Feld 3                                                                                                                                        | OXAMOUNT   |
| 6. | Amount to               | double NOT NULL default '0'  | siehe Feld 3                                                                                                                                        | OXAMOUNTTO |
| 7. | Scale price ID          | char(32) NOT NULL default '' | [0-9a-f.]                                                                                                                                           | OXID       |

#### 4.19 Delete scale prices

| # | Content/Example | Data type                    | Range     | Field name |
|---|-----------------|------------------------------|-----------|------------|
|   | Indicator char  | char(2)                      | [XP]      |            |
|   | Scale price ID  | char(32) NOT NULL default '' | [0-9a-f.] | OXID       |

#### 4.20 Create/update orders

If an order with the given OXID already exists, the order is updated with the given values. Otherwise, a new order is created.

If `OXORDERNR` is set to 0, the eShop automatically creates a new order number: The highest existing order number is taken and incremented by 1.

| #  | Content/Example | Data type                    | Range     | Field name |
|----|-----------------|------------------------------|-----------|------------|
| 0. | Indicator char  | char(1)                      | [0]       |            |
| 1. | Order ID        | char(32) NOT NULL default '' | [0-9a-f.] | OXID       |
| 2. | Shop ID         | char(32) NOT NULL default '' | 1 to 64   | OXSHOPID   |
| 3. | User ID         | char(32) NOT NULL default '' | [0-9a-f.] | OXUSERID   |

| #   | Content/Example                            | Data type                                             | Range                      | Field name        |
|-----|--------------------------------------------|-------------------------------------------------------|----------------------------|-------------------|
| 4.  | Order date                                 | datetime NOT NULL<br>default '0000-00-00<br>00:00:00' | YYYY-MM-DD<br>HH:MM:SS     | OXORDERDATE       |
| 5.  | Order number                               | int(11) NOT NULL<br>default '0'                       | 0 to 2147483647            | OXORDERNR         |
| 6.  | Billing address: company                   | varchar(255) NOT<br>NULL default ''                   | [SPACE-~]                  | OXBILLCOMPANY     |
| 7.  | Billing address: e-mail                    | varchar(255) NOT<br>NULL default ''                   | Gültige E-Mail-<br>Adresse | OXBILLEMAIL       |
| 8.  | Billing address: first name                | varchar(255) NOT<br>NULL default ''                   | [SPACE-~]                  | OXBILLFNAME       |
| 9.  | Billing address: last name                 | varchar(255) NOT<br>NULL default ''                   | [SPACE-~]                  | OXBILLLNAME       |
| 10. | Billing address: Street                    | varchar(255) NOT<br>NULL default ''                   | [SPACE-~]                  | OXBILLSTREET      |
| 11. | Billing address: street<br>number          | varchar(16) NOT NULL<br>default ''                    | [SPACE-~]                  | OXBILLSTREETNR    |
| 12. | Billing address: Additional<br>information | varchar(255) NOT<br>NULL default ''                   | [SPACE-~]                  | OXBILLADDINFO     |
| 13. | Billing address: VAT ID                    | varchar(255) NOT<br>NULL default ''                   | [SPACE-~]                  | OXBILLUSTID       |
| 14. | VAT ID status                              | tinyint(1) NOT NULL<br>default '0'                    | [0;1]                      | OXBILLUSTIDSTATUS |
| 15. | Billing address: city                      | varchar(255) NOT<br>NULL default ''                   | [SPACE-~]                  | OXBILLCITY        |
| 16. | Billing address: country                   | varchar(32) NOT NULL<br>default ''                    | [SPACE-~]                  | OXBILLCOUNTRYID   |
| 17. | Billing address: state                     | varchar(32) NOT NULL<br>default ''                    | [SPACE-~]                  | OXBILLSTATEID     |
| 18. | Billing address: ZIP                       | varchar(16) NOT NULL<br>default ''                    | [SPACE-~]                  | OXBILLZIP         |
| 19. | Billing address: phone                     | varchar(128) NOT<br>NULL default ''                   | [SPACE-~]                  | OXBILLFON         |
| 20. | Billing address: fax                       | varchar(128) NOT<br>NULL default ''                   | [SPACE-~]                  | OXBILLFAX         |
| 21. | Billing address: title                     | varchar(128) NOT<br>NULL default ''                   | [SPACE-~]                  | OXBILLTAL         |
| 22. | Shipping address:<br>company               | varchar(255) NOT<br>NULL default ''                   | [SPACE-~]                  | OXDELCOMPANY      |
| 23. | Shipping address: first<br>name            | varchar(255) NOT<br>NULL default ''                   | [SPACE-~]                  | OXDELFNAME        |

| #   | Content/Example                          | Data type                        | Range                                                                                                                                                   | Field name      |
|-----|------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 24. | Shipping address: last name              | varchar(255) NOT NULL default '' | [SPACE-~]                                                                                                                                               | OXDELLNAME      |
| 25. | Shipping address: street                 | varchar(255) NOT NULL default '' | [SPACE-~]                                                                                                                                               | OXDELSTREET     |
| 26. | Shipping address: street number          | varchar(16) NOT NULL default ''  | [SPACE-~]                                                                                                                                               | OXDELSTREETNR   |
| 27. | Shipping address: additional information | varchar(255) NOT NULL default '' | [SPACE-~]                                                                                                                                               | OXDELADDINFO    |
| 28. | Shipping address: city                   | varchar(255) NOT NULL default '' | [SPACE-~]                                                                                                                                               | OXDELCITY       |
| 29. | Shipping address: country                | varchar(32) NOT NULL default ''  | [SPACE-~]                                                                                                                                               | OXDELCOUNTRYID  |
| 30. | Shipping address: state                  | varchar(32) NOT NULL default ''  | [SPACE-~]                                                                                                                                               | OXDELSTATEID    |
| 31. | Shipping address: ZIP                    | varchar(16) NOT NULL default ''  | [SPACE-~]                                                                                                                                               | OXDELZIP        |
| 32. | Shipping address: phone                  | varchar(128) NOT NULL default '' | [SPACE-~]                                                                                                                                               | OXDELFON        |
| 33. | Shipping address: fax                    | varchar(128) NOT NULL default '' | [SPACE-~]                                                                                                                                               | OXDELFAX        |
| 34. | Shipping address: title                  | varchar(128) NOT NULL default '' | [SPACE-~]                                                                                                                                               | OXDELSAL        |
| 35. | Payment ID(from table oxuserpayments)    | varchar(32) NOT NULL default ''  | [SPACE-~]                                                                                                                                               | OXPAYMENTID     |
| 36. | Payment type (from table oxpayments)     | varchar(32) NOT NULL default ''  | [SPACE-~]                                                                                                                                               | OXPAYMENTTYPE   |
| 37. | Net sum                                  | double NOT NULL default '0'      | -<br>1.79769313486231<br>57 E+308<br>to<br>-<br>2.22507385850720<br>14 E-308, 0, and<br>2.22507385850720<br>14 E-308 to<br>1.79769313486231<br>57 E+308 | OXTOTALNETSUM   |
| 38. | Gross sum                                | double NOT NULL default '0'      | see above                                                                                                                                               | OXTOTALBRUTSUM  |
| 39. | Total sum (incl. Shipping costs etc.)    | double NOT NULL default '0'      | see above                                                                                                                                               | OXTOTALORDERSUM |

| #   | Content/Example                        | Data type                           | Range                  | Field name        |
|-----|----------------------------------------|-------------------------------------|------------------------|-------------------|
| 40. | VAT percent 1                          | double NOT NULL<br>default '0'      | see above              | OXARTVAT1         |
| 41. | VAT price 1                            | double NOT NULL<br>default '0'      | see above              | OXARTVATPRICE1    |
| 42. | VAT percent 2                          | double NOT NULL<br>default '0'      | see above              | OXARTVAT2         |
| 43. | VAT price 2                            | double NOT NULL<br>default '0'      | see above              | OXARTVATPRICE2    |
| 44. | Shipping costs                         | double NOT NULL<br>default '0'      | see above              | OXDELCOST         |
| 45. | VAT of shipping costs                  | double NOT NULL<br>default '0'      | see above              | OXDELVAT          |
| 46. | Payment costs                          | double NOT NULL<br>default '0'      | see above              | OXPAYCOST         |
| 47. | VAT of payment costs                   | double NOT NULL<br>default '0'      | see above              | OXPAYVAT          |
| 48. | Gift wrapping costs                    | double NOT NULL<br>default '0'      | see above              | OXWRAPCOST        |
| 49. | VAT of gift wrapping                   | double NOT NULL<br>default '0'      | see above              | OXWRAPVAT         |
| 50. | Greeting card ID                       | varchar(32) NOT NULL<br>default ''  | [0-9a-f.]              | OXCARDID          |
| 51. | Greeting card text                     | text NOT NULL                       | [SPACE-~]              | OXCARDTEXT        |
| 52. | Discount                               | double NOT NULL<br>default '0'      | see field 35           | OXDISCOUNT        |
| 53. | Export status for Lexware              | tinyint(4)                          | 0,1                    | OXEXPORT          |
| 54. | Invoice number                         | varchar(128) NOT NULL<br>default '' | [0-9]                  | OXBILLNR          |
| 55. | Tracking code                          | varchar(128) NOT NULL               | [SPACE-~]              | OXTRACKCODE       |
| 56. | Shipping date                          | Datetime                            | YYYY-MM-DD<br>HH:MM:SS | OXSENDDATE        |
| 57. | Remark                                 | text NOT NULL                       | [SPACE-~]              | OXREMARK          |
| 58. | Coupon discount                        | double NOT NULL<br>default '0'      | see field 35           | OXVOUCHERDISCOUNT |
| 59. | Currency                               | char(32) NOT NULL<br>default ''     | [SPACE-~]              | OXCURRENCY        |
| 60. | Conversion factor                      | double NOT NULL<br>default '0'      | see field 35           | OXCURRATE         |
| 61. | Order folder in admin                  | varchar(32)                         | [SPACE-~]              | OXFOLDER          |
| 62. | Payment gateway transaction ident code | varchar(128)                        | [SPACE-~]              | OXPIDENT          |

| #   | Content/Example                                                      | Data type                       | Range                                                  | Field name       |
|-----|----------------------------------------------------------------------|---------------------------------|--------------------------------------------------------|------------------|
| 63. | Payment gateway Transaction ID                                       | varchar(64) NOT NULL default '' | [SPACE-~]                                              | OXTRANSID        |
| 64. | Payment gateway payment ID                                           | varchar(64) NOT NULL default '' | [SPACE-~]                                              | OXPAYID          |
| 65. | Payment gateway X-ID                                                 | varchar(64) NOT NULL default '' | [SPACE-~]                                              | OXXID            |
| 66. | Paid on                                                              | varchar(64) NOT NULL default '' | YYYY-MM-DD HH:MM:SS                                    | OXPAID           |
| 67. | Order cancelled                                                      | tinyint(1)                      | [0,1]                                                  | OXSTORNO         |
| 68. | IP number                                                            | varchar(64) NOT NULL default '' | valid IP                                               | OXIP             |
| 69. | Payment gateway transaction status                                   | varchar(30) NOT NULL default '' | [SPACE-~]                                              | OXTRANSSTATUS    |
| 70. | language                                                             | int(2) NOT NULL default '0'     | 0 to 99                                                | OXLANG           |
| 71. | Invoice number                                                       | integer(11) NOT NULL            | 0 to 2147483647                                        | OXINVOICENR      |
| 72. | Shipping method                                                      | char(32) NOT NULL default ''    | [SPACE-~]                                              | OXDELTYPE        |
| 73. | Export status for pixi*                                              | tinyint(4) NOT NULL             | [0,1]                                                  | OXPIXIEXPORT     |
| 74. | Trusted shops Buyers Protection product id, e.g. TS080501_500_30_EUR | char(64) NOT NULL default ''    | [~]                                                    | OXTSPROTECTID    |
| 75. | Buyers Protection cost                                               | double NOT NULL default '0'     | 2.22507385850720 14 E-308 to 1.79769313486231 57 E+308 | OXTSPROTECTCOSTS |

#### 4.21 Delete orders

| # | Content/Example | Data type                    | Range     | Field name |
|---|-----------------|------------------------------|-----------|------------|
|   | Indicator char  | char(2)                      | [XO]      |            |
|   | Order ID        | char(32) NOT NULL default '' | [0-9a-f.] | OXID       |

#### 4.22 Create/update product assignments to orders

If a product assignment with the given OXID already exists, the product assignment is updated with the given values. Otherwise, a new product assignment is created.

| #  | Content/Example       | Data type         | Range     | Field name <sup>17</sup> |
|----|-----------------------|-------------------|-----------|--------------------------|
| 0. | Indicator char        | char(1)           | [R]       |                          |
| 1. | Product assignment ID | char(32) NOT NULL | [0-9a-f.] | OXID                     |

<sup>17</sup>

Table: oxorderarticles

| #   | Content/Example                                       | Data type                       | Range                                                                                                                                            | Field name <sup>17</sup> |
|-----|-------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 2.  | Order ID                                              | char(32) NOT NULL               | [0-9a-f.]                                                                                                                                        | OXORDERID                |
| 3.  | Amount                                                | double NOT NULL default '0'     | see field 9                                                                                                                                      | OXAMOUNT                 |
| 4.  | Product ID                                            | char(32) NOT NULL               | [0-9a-f.]                                                                                                                                        | OXARTID                  |
| 5.  | Product number                                        | varchar(255) NOT NULL           | [SPACE~]                                                                                                                                         | OXARTNUM                 |
| 6.  | Title                                                 | varchar(255) NOT NULL           | [SPACE~]                                                                                                                                         | OXTITLE                  |
| 7.  | Short description                                     | varchar(255) NOT NULL           | [SPACE~]                                                                                                                                         | OXSHORTDESC              |
| 8.  | Selected variant                                      | varchar(255) NOT NULL           | [SPACE~]                                                                                                                                         | OXSELVARIANT             |
| 9.  | Total sum net                                         | double NOT NULL default '0'     | 1.7976931348623157 E+308<br>to<br>-<br>2.2250738585072014 E-308, 0, und<br>2.2250738585072014 E-308 to<br>1.7976931348623157 E+308 <sup>18</sup> | OXNETPRICE               |
| 10. | Total sum brut                                        | double NOT NULL default '0'     | see field 9                                                                                                                                      | OXBRUTPRICE              |
| 11. | VAT Total                                             | double NOT NULL default '0'     | see field 9                                                                                                                                      | OXVATPRICE               |
| 12. | Special VAT                                           | double NOT NULL                 | see field 9                                                                                                                                      | OXVAT                    |
| 13. | Persistent parameters<br>(not used in standard eShop) | Text NOT NULL                   | [SPACE~]                                                                                                                                         | OXPERSPARAM              |
| 14. | Product price                                         | double NOT NULL default '0'     | see field 9                                                                                                                                      | OXPRICE                  |
| 15. | Brut product price                                    | double NOT NULL default '0'     | see field 9                                                                                                                                      | OXBPRICE                 |
| 16. | Net product price                                     | double NOT NULL default '0'     | see field 9                                                                                                                                      | OXNPRICE                 |
| 17. | Gift wrapping ID                                      | varchar(32)                     | [SPACE~]                                                                                                                                         | OXWRAPID                 |
| 18. | External URL                                          | varchar(255) NOT NULL default " | valid URL without<br><i>http://</i>                                                                                                              | OXEXTURL                 |
| 19. | Description for external URL                          | varchar(255) NOT NULL default " | [SPACE~]                                                                                                                                         | OXURLDESC                |

<sup>18</sup> Ranges defined by IEEE. The range that can be used is determined by hardware and operating system

| #   | Content/Example                                               | Data type                                                                | Range                     | Field name <sup>17</sup> |
|-----|---------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------|--------------------------|
| 20. | URL of picture for external URL                               | varchar(128) NOT NULL default ''                                         | see field 23              | OXURLIMG                 |
| 21. | Filename (without path) ,<br>Default: <i>nopic.jpg</i>        | varchar(128) NOT NULL default ''                                         | [SPACE-~] <sup>19</sup>   | OXTHUMB                  |
| 22. | Filename (without path) ,<br>Default: <i>nopic.jpg</i>        | varchar(128) NOT NULL default ''                                         | [SPACE-~]                 | OXPIC1                   |
| 23. | Filename (without path) ,<br>Default: <i>nopic.jpg</i>        | varchar(128) NOT NULL default ''                                         | [SPACE-~]                 | OXPIC2                   |
| 24. | Filename (without path) ,<br>Default: <i>nopic.jpg</i>        | varchar(128) NOT NULL default ''                                         | [SPACE-~]                 | OXPIC3                   |
| 25. | Filename (without path) ,<br>Default: <i>nopic.jpg</i>        | varchar(128) NOT NULL default ''                                         | [SPACE-~]                 | OXPIC4                   |
| 26. | Filename (without path) ,<br>Default: <i>nopic.jpg</i>        | varchar(128) NOT NULL default ''                                         | [SPACE-~]                 | OXPIC5                   |
| 27. | Weight                                                        | double NOT NULL default '0'                                              | see field 9               | OXWEIGHT                 |
| 28. | Stock                                                         | int(11) NOT NULL default '-1' <sup>20</sup>                              | -2147483648 to 2147483647 | OXSTOCK                  |
| 29. | Available on                                                  | date NOT NULL default '0000-00-00'                                       | YYYY-MM-DD                | OXDELIVERY               |
| 30. | Date of creation (is ignored, actual date is used instead)    | date NOT NULL default '0000-00-00'                                       | YYYY-MM-DD                | OXINSERT                 |
| 31. | Date of last change (is ignored, actual date is used instead) | timestamp NOT NULL default CURRENT_TIMESTAMP on update CURRENT_TIMESTAMP | YYYY-MM-DD<br>HH:MM:SS    | OXTIMESTAMP              |
| 32. | Length                                                        | double NOT NULL default '0'                                              | see field 9               | OXLENGTH                 |
| 33. | Width                                                         | double NOT NULL default '0'                                              | see field 9               | OXWIDTH                  |
| 34. | Height                                                        | double NOT NULL default '0'                                              | see field 9               | OXHEIGHT                 |
| 35. | File                                                          | varchar(128) NOT NULL default ''                                         | [SPACE-~]                 | OXFILE                   |
| 36. | Search terms                                                  | varchar(255) NOT NULL default ''                                         | [SPACE-~]                 | OXSEARCHKEYS             |

<sup>19</sup> Dependent on operating system

<sup>20</sup> -1 was a special value in older versions. Negative values are not to be used in Enterprise Edition any more.

| #   | Content/Example | Data type                           | Range                   | Field name <sup>17</sup>  |
|-----|-----------------|-------------------------------------|-------------------------|---------------------------|
| 37. | Alt. template   | varchar(128) NOT NULL<br>default '' | [SPACE-~]               | OXTEMPLATE                |
| 38. | Alt. contact    | varchar(255) NOT NULL<br>default '' | valid e-mail address    | OXQUESTIONEMAIL           |
| 39. | Searchable      | tinyint(1) NOT NULL<br>default '1'  | [0,1]                   | OXISSEARCH                |
| 40. | (always empty)  | varchar(32) NOT NULL<br>default ''  | always empty            | OXFOLDER                  |
| 41. | Class           | varchar(32) NOT NULL<br>default ''  | always <i>oxarticle</i> | OXSUBCLASS                |
| 42. | Cancelled       | Tinyint(1) NOT NULL<br>default '1'  | [0,1]                   | OXSTORNO                  |
| 43. | Shop-ID         | varchar(32) NOT NULL                | [SPACE-~]               | OXORDERSHOPID             |
| 44. | VAT Total       | Double NOT NULL                     | see field 9             | OXTOTALVAT                |
| 45. | Order status    | text                                | See 4.24                | OXERPSTATUS <sup>21</sup> |

#### 4.23 Delete product assignments to orders

| # | Content/Example       | Data type                    | Range     | Field name |
|---|-----------------------|------------------------------|-----------|------------|
|   | Indicator char        | char(2)                      | [XR]      |            |
|   | Product assignment ID | char(32) NOT NULL default '' | [0-9a-f.] | OXID       |

#### 4.24 Change order status

If an order status with the given OXID already exists, the order status is updated with the given values. Otherwise, a new order status is created.

| #  | Content/Example                   | Data type                       | Range                  | Field name <sup>22</sup> |
|----|-----------------------------------|---------------------------------|------------------------|--------------------------|
| 0. | Indicator char                    | char(1)                         | [S]                    |                          |
| 1. | ID from<br><i>oxorderarticles</i> | char(32) NOT NULL<br>default '' | [0-9a-f.]              | OXID                     |
| 2. | Status text                       | text NOT NULL                   | [SPACE-~]              | OXERPSTATUS_STATUS       |
| 3. | Date and time                     | Datetime                        | YYYY-MM-DD<br>HH:MM:SS | OXERPSTATUS_TIME         |
| 4. | Tracking ID                       | char(32) NOT NULL<br>default '' | [SPACE-~]              | OXERPSTATUS_TRACKID      |

#### 4.25 Create/update product assignments to vendors

If a product is already assigned to a vendor, this assignment is overwritten.

<sup>21</sup> Always empty in OXID eShop Professional Edition

<sup>22</sup> Table: *oxorderarticles*

| #  | Content/Example | Data type                    | Range     | Field name |
|----|-----------------|------------------------------|-----------|------------|
| 0. | Indicator char  | char(1)                      | [D]       |            |
| 1. | Product ID      | char(32) NOT NULL default '' | [0-9a-f.] | OXID       |
| 2. | Vendor ID       | char(32) NOT NULL default '' | [0-9a-f.] | OXVENDORID |

#### 4.26 Delete product assignments to vendors

| # | Content/Example       | Data type                    | Range     | Field name |
|---|-----------------------|------------------------------|-----------|------------|
|   | Indicator char        | char(2)                      | [XD]      |            |
|   | Product assignment ID | char(32) NOT NULL default '' | [0-9a-f.] | OXID       |

#### 4.27 Updating stock

| #  | Content/Example | Data type                       | Range                     | Field name |
|----|-----------------|---------------------------------|---------------------------|------------|
| 0. | Indicator char  | char(1)                         | [E]                       |            |
| 1. | Product ID      | char(32) NOT NULL default ''    | [0-9a-f.]                 | OXID       |
| 2. | Stock           | Integer(11) NOT NULL default -1 | -2147483648 to 2147483647 | OXSTOCK    |

#### 4.28 Create/update users

If a user with the given OXID already exists, the user is updated with the given values. Otherwise, a new user is created.

| #  | Content/Example      | Data type                     | Range                             | Field name <sup>23</sup> |
|----|----------------------|-------------------------------|-----------------------------------|--------------------------|
| 0. | Indicator char       | char(1)                       | [U]                               |                          |
| 1. | User ID              | char(32) NOT NULL             | [0-9a-f.]                         | OXID                     |
| 2. | Active               | tinyint(1) NOT NULL default 0 | [0,1]                             | OXACTIVE                 |
| 3. | Rights               | char(32)                      | 'user', 'malladmin' or subshop ID | OXRIGHTS                 |
| 4. | Shop ID              | char(32)                      | [SPACE-~]                         | OXSHOPID                 |
| 5. | Login/e-mail address | varchar(255) NOT NULL         | [SPACE-~]                         | OXUSERNAME               |
| 6. | Password             | varchar(128) NOT NULL         | [SPACE-~]                         | OXPASSWORD               |

<sup>23</sup> Table: oxuser

| #  | Content/Example              | Data type                       | Range                  | Field name <sup>23</sup> |
|----|------------------------------|---------------------------------|------------------------|--------------------------|
| 7. | Salt (see also chapter 5.18) | char(128)                       | [SPACE-~]              | OXPASSSALT               |
| 8. | Customer number              | Integer(11)                     | 0 to 2147483647        | OXCUSTNR                 |
| 9. | VAT ID                       | varchar(255) NOT NULL           | [SPACE-~]              | OXUSTID                  |
| 10 | VAT ID status                | tinyint(1) NOT NULL default '0' | [0,1]                  | OXUSTIDSTATUS            |
| 11 | Company                      | varchar(255) NOT NULL           | [SPACE-~]              | OXCOMPANY                |
| 12 | First name                   | varchar(255) NOT NULL           | [SPACE-~]              | OXFNAME                  |
| 13 | Last name                    | varchar(255) NOT NULL           | [SPACE-~]              | OXLNAME                  |
| 14 | Street                       | varchar(255) NOT NULL           | [SPACE-~]              | OXSTREET                 |
| 15 | Street number                | varchar(16) NOT NULL            | [SPACE-~]              | OXSTREETNR               |
| 16 | Additional information       | varchar(255) NOT NULL           | [SPACE-~]              | OXADDINFO                |
| 17 | City                         | varchar(255) NOT NULL           | [SPACE-~]              | OXCITY                   |
| 18 | Country ID                   | varchar(32) NOT NULL            | [SPACE-~]              | OXCOUNTRYID              |
| 19 | State ID                     | varchar(32) NOT NULL            | [SPACE-~]              | OXSTATEID                |
| 20 | ZIP                          | varchar(16) NOT NULL            | [SPACE-~]              | OXZIP                    |
| 21 | Phone number                 | varchar(128) NOT NULL           | [SPACE-~]              | OXFON                    |
| 22 | Fax number                   | varchar(128) NOT NULL           | [SPACE-~]              | OXFAX                    |
| 23 | Salutation                   | varchar(128) NOT NULL           | [SPACE-~]              | OXSAL                    |
| 24 | Credit rating                | integer(11)                     | 0 to 2147483647        | AXBONI                   |
| 25 | Date of creation             | datetime                        | YYYY-MM-DD<br>HH:MM:SS | OXCREATE                 |
| 26 | Date of registration         | datetime                        | YYYY-MM-DD<br>HH:MM:SS | OXREGISTER               |
| 27 | Private phone number         | varchar(64) NOT NULL            | [SPACE-~]              | OXPRIVFON                |
| 28 | Cellular phone number        | varchar(64) NOT NULL            | [SPACE-~]              | OXMOBFON                 |
| 29 | Date of birth                | date                            | YYYY-MM-DD             | OXBIRTHDATE              |

| #  | Content/Example                                      | Data type                   | Range                                                                                                                                                   | Field name <sup>23</sup> |
|----|------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 30 | URL                                                  | varchar(255) NOT NULL       | [SPACE-~]                                                                                                                                               | OXURL                    |
| 31 | Automatic user group assignment                      | tinyint(1) NOT NULL         | [0,1]                                                                                                                                                   | OXDISABLEAUTOGRP         |
| 32 | LDAP-Key                                             | varchar(128) NOT NULL       | [SPACE-~]                                                                                                                                               | OXLDAPKEY                |
| 33 | Amount of invalid login attempts                     | integer(11)                 | 0 to 2147483647                                                                                                                                         | OXWRONGLOGINS            |
| 34 | Key for „forgot password“ function                   | char(32)                    | [SPACE-~]                                                                                                                                               | OXUPDATEKEY              |
| 35 | Timestamp when key from field 33 expires             | integer(11)                 | 0 to 2147483647                                                                                                                                         | OXUPDATEEXP              |
| 36 | OpenID<br>Indicates if account was created by OpenID | tinyint(1)                  | [0,1]                                                                                                                                                   | OXISOPENID               |
| 37 | „Credit points“ from the users invitations           | double NOT NULL default '0' | -<br>1.797693134862315<br>7 E+308<br>to<br>-<br>2.225073858507201<br>4 E-308, 0, and<br>2.225073858507201<br>4 E-308 to<br>1.797693134862315<br>7 E+308 | OXPOINTS                 |

#### 4.29 Delete users

| #  | Content/Example | Data type         | Range     | Field name |
|----|-----------------|-------------------|-----------|------------|
| 0. | Indicator char  | char(2)           | [XU]      |            |
| 1. | User ID         | char(32) NOT NULL | [0-9a-f.] | OXID       |

#### 4.30 Create/Update countries

If a country with the given OXID already exists, the country is updated with the given values. Otherwise, a new country is created.

| #  | Content/Example | Data type | Range | Field name <sup>24</sup> |
|----|-----------------|-----------|-------|--------------------------|
| 0. | Indicator char  | char(1)   | [N]   |                          |

<sup>24</sup> Table: oxcountry

| #   | Content/Example                 | Data type                     | Range           | Field name <sup>24</sup> |
|-----|---------------------------------|-------------------------------|-----------------|--------------------------|
| 1.  | Country ID                      | char(32) NOT NULL             | [0-9a-f.]       | OXID                     |
| 2.  | Active                          | tinyint(1) NOT NULL default 0 | [1,0]           | OXACTIVE                 |
| 3.  | Name                            | char(128) NOT NULL            | [SPACE-~]       | OXTITLE                  |
| 4.  | ISO 2                           | char(2) NOT NULL              | [A-Z]           | OXISOALPHA2              |
| 5.  | ISO 3                           | char(3) NOT NULL              | [A-Z]           | OXISOALPHA3              |
| 6.  | ISO UN number                   | char(3) NOT NULL              | [0-999]         | OXUNNUM3                 |
| 7.  | Sorting                         | int(11) NOT NULL default 9999 | 0 to 2147483647 | OXORDER                  |
| 8.  | Short description               | char(255) NOT NULL            | [SPACE-~]       | OXSHORTDESC              |
| 9.  | Description                     | char(255) NOT NULL            | [SPACE-~]       | OXLONGDESC               |
| 10. | Name in language 1              | char(128) NOT NULL            | [SPACE-~]       | OXTITLE_1                |
| 11. | Name in language 2              | char(128) NOT NULL            | [SPACE-~]       | OXTITLE_2                |
| 12. | Name in language 3              | char(128) NOT NULL            | [SPACE-~]       | OXTITLE_3                |
| 13. | Short description in language 1 | char(128) NOT NULL            | [SPACE-~]       | OXSHORTDESC_1            |
| 14. | Short description in language 2 | char(128) NOT NULL            | [SPACE-~]       | OXSHORTDESC_2            |
| 15. | Short description in language 3 | char(128) NOT NULL            | [SPACE-~]       | OXSHORTDESC_3            |
| 16. | Description in language 1       | char(255) NOT NULL            | [SPACE-~]       | OXLONGDESC_1             |
| 17. | Description in language 2       | char(255) NOT NULL            | [SPACE-~]       | OXLONGDESC_2             |
| 18. | Description in language 3       | char(255)                     | [SPACE-~]       | OXLONGDESC_3             |
| 19. | VAT Handling                    | tinyint(1) NOT NULL default 0 | [0,1]           | OXVATSTATUS              |

#### 4.31 Delete Countries

| # | Content/Example | Data type         | Range     | Field name |
|---|-----------------|-------------------|-----------|------------|
|   | Indicator char  | char(2)           | [XN]      |            |
|   | Country ID      | char(32) NOT NULL | [0-9a-f.] | OXID       |

#### 4.32 Create/Update attributes

If a attribute with the given OXID already exists, the attribute is updated with the given values. Otherwise, a new attribute is created.

| #  | Content/Example             | Data type                       | Range                                                                                                                                          | Field name |
|----|-----------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 0. | Indicator char              | char(1)                         | [B]                                                                                                                                            |            |
| 1. | Attribute ID                | char(32) NOT NULL               | [0-9a-f.]                                                                                                                                      | OXID       |
| 2. | Shop-ID                     | char(32) NOT NULL               | 1 - 64                                                                                                                                         | OXSHOPID   |
| 3. | Attribute used in Shops     | bigint(20) NOT NULL<br>UNSIGNED | binary encoded,<br>64 bit.<br><u>Example:</u><br>Product is in<br>Shops #2 and<br>#7.<br>=> 2nd 7th bit<br>have to be set:<br>The result is 66 | OXSHOPINCL |
| 4. | Attribute not used in Shops | bigint(20) NOT NULL             | binary encoded,<br>64 bit. See<br>above.                                                                                                       | OXSHOPEXCL |
| 5. | Name                        | char(128) NOT NULL              | [SPACE~]                                                                                                                                       | OXTITLE    |
| 6. | Name in language 1          | char(128) NOT NULL              | [SPACE~]                                                                                                                                       | OXTITLE_1  |
| 7. | Name in language 2          | char(128) NOT NULL              | [SPACE~]                                                                                                                                       | OXTITLE_2  |
| 8. | Name in language 3          | char(128) NOT NULL              | [SPACE~]                                                                                                                                       | OXTITLE_3  |
| 9. | Sorting                     | integer(11)                     | 0 to<br>2147483647                                                                                                                             | OXPOS      |

#### 4.33 Delete Attributes

| #  | Content/Example | Data type         | Range     | Field name |
|----|-----------------|-------------------|-----------|------------|
| 0. | Indicator char  | char(2)           | [XB]      |            |
| 1. | Attribute ID    | char(32) NOT NULL | [0-9a-f.] | OXID       |

#### 4.34 Create/Update Attribute assignments

If a attribute assignment with the given OXID already exists, the attribute assignment is updated with the given values. Otherwise, a new attribute assignment is created.

| #  | Content/Example | Data type | Range | Field name |
|----|-----------------|-----------|-------|------------|
| 0. | Indicator char  | char(1)   | [F]   |            |

|    |                               |                               |                    |            |
|----|-------------------------------|-------------------------------|--------------------|------------|
| 1. | attribute assignment ID       | char(32) NOT NULL default ''  | [0-9a-f.]          | OXID       |
| 2. | Product ID                    | char(32) NOT NULL default ''  | [0-9a-f.]          | OXOBJECTID |
| 3. | Attribute ID                  | char(32) NOT NULL default ''  | [0-9a-f.]          | OXATTRID   |
| 4. | Attribute value               | char(255) NOT NULL default '' | [SPACE-~]          | OXVALUE    |
| 5. | Sorting                       | int(11) NOT NULL default '0'  | 0 to<br>2147483647 | OXPOS      |
| 6. | Attribute value in language 1 | char(255) NOT NULL default '' | [SPACE-~]          | OXVALUE_1  |
| 7. | Attribute value in language 2 | char(255) NOT NULL default '' | [SPACE-~]          | OXVALUE_2  |
| 8. | Attribute value in language 3 | char(255) NOT NULL default '' | [SPACE-~]          | OXVALUE_3  |

#### 4.35 Delete Attribute assignment

| #  | Content/Example         | Data type                    | Range     | Field name |
|----|-------------------------|------------------------------|-----------|------------|
| 0. | Indicator char          | char(2)                      | [XF]      |            |
| 1. | Attribute Assignment ID | char(32) NOT NULL default '' | [0-9a-f.] | OXID       |

## 5 Export interface

All objects (products, users, categories and so on) can be exported. The structure of the exported file is the same as described above. For accessing import, a particular URL is called via browser. We strongly recommend to password-protect and SSL-protect (https://) the export so it's not openly accessible.

### 5.1 Sorting export data

In some exports you can set by which field and in which direction (`ASC` or `DESC`) the data is to be sorted. If no sorting parameter is given, the fields are sorted by `OXID`.

### 5.2 Login

Before CSV Data can be exported, you have to login first. This is done with `OXERPLLogin` function:  
<https://www.youreshop.com/modules/ERP/oxerpcsvexport.php?fnc=OXERPLLogin&user=admin&pw=password&version=2.6.0&shopid=1&langid=0>

The following parameters are given:

| Parameter | Description                                                    |
|-----------|----------------------------------------------------------------|
| fnc=      | Name of function (here: <code>OXERPLLogin</code> )             |
| user=     | Admin name (here: <code>admin</code> )                         |
| pw=       | Password (here: <code>password</code> )                        |
| shopid=   | Shop ID of Shop in which login is done (here: <code>1</code> ) |
| langid=   | Language ID (here: <code>0</code> )                            |

The function returns a Session ID which has to be used in every other export function.

### 5.3 OXERPGetCategory

This function exports a category.

#### Parameters

| Parameter            | Description                         |
|----------------------|-------------------------------------|
| fnc=OXERPGetCategory | Function name                       |
| sid=                 | Session ID returned by OXERPLLogin. |
| id=                  | ID of the category.                 |

#### Example

<https://www.youreshop.com/modules/ERP/oxerpcsvexport.php?fnc=OXERPGetCategory&sid=xxxxxxxx&version=2.5.0&id=yyyyyyyyyy>

### 5.4 OXERPGetCategories

This function exports several categories at once.

#### Parameters

| Parameter                  | Description                                           |
|----------------------------|-------------------------------------------------------|
| fnc=OXERPGetCategories     | Function name                                         |
| sid=                       | Session ID returned by OXERPLLogin.                   |
| sSortFieldName= (optional) | The field the returned categories are sorted by.      |
| sSortType= (optional)      | ASC (ascending) or DESC (descending)                  |
| iStart= (optional)         | Amount of objects which are skipped and not returned. |
| iCount= (optional)         | Limits amount of returned objects.                    |

#### Example

<https://www.youreshop.com/modules/ERP/oxerpcsvexport.php?fnc=OXERPGetCategories&sid=xxxxx&version=2.6.0&sSortFieldName=OXID&sSortType=DESC&iStart=0&iCount=5>

### 5.5 OXERPGetArticle

This function exports a product.

#### Parameters

| Parameter           | Description                         |
|---------------------|-------------------------------------|
| fnc=OXERPGetArticle | Function name                       |
| sid=                | Session ID returned by OXERPLLogin. |
| id=                 | ID of the product.                  |

## 5.6 OXERPGetArticles

This function exports several products at once.

### Parameters

| Parameter                     | Description                                                        |
|-------------------------------|--------------------------------------------------------------------|
| fnc=OXERPGetArticles          | Function name                                                      |
| sid=                          | Session ID returned by OXERPLLogin.                                |
| sSortFieldName=<br>(optional) | The field the returned products are sorted by.                     |
| sSortType=<br>(optional)      | ASC (ascending) or DESC (descending)                               |
| iStart=<br>(optional)         | Amount of objects which are skipped and not returned.              |
| iCount=<br>(optional)         | Limits amount of returned objects.                                 |
| id=<br>(optional)             | Category ID. Only products assigned to this category are exported. |

## 5.7 OXERPGetArticleCategory

This function exports the categories a product is assigned to.

### Parameters

| Parameter                     | Description                                           |
|-------------------------------|-------------------------------------------------------|
| fnc=OXERPGetArticleCategory   | Function name                                         |
| sid=                          | Session ID returned by OXERPLLogin.                   |
| id=                           | Product ID                                            |
| sSortFieldName=<br>(optional) | The field the returned categories are sorted by.      |
| sSortType=<br>(optional)      | ASC (ascending) or DESC (descending)                  |
| iStart=<br>(optional)         | Amount of objects which are skipped and not returned. |
| iCount=<br>(optional)         | Limits amount of returned objects.                    |

## 5.8 OXERPGetArticleAction

This function exports the actions a product is assigned to.

### Parameters

| Parameter                 | Description   |
|---------------------------|---------------|
| fnc=OXERPGetArticleAction | Function name |

|                               |                                                       |
|-------------------------------|-------------------------------------------------------|
| sid=                          | Session ID returned by OXERPLogin.                    |
| id=                           | The ID of the product.                                |
| sSortFieldName=<br>(optional) | The field the returned actions are sorted by.         |
| sSortType=<br>(optional)      | ASC (ascending) or DESC (descending)                  |
| iStart=<br>(optional)         | Amount of objects which are skipped and not returned. |
| iCount=<br>(optional)         | Limits amount of returned objects.                    |

### 5.9 OXERPGetArticleCrossselling

This function exports the products which are assigned as crosssellings to another product.

#### Parameters

| Parameter                       | Description                                           |
|---------------------------------|-------------------------------------------------------|
| fnc=OXERPGetArticleCrossselling | Function name                                         |
| sid=                            | Session ID returned by OXERPLogin.                    |
| id=                             | The ID of the product.                                |
| sSortFieldName=<br>(optional)   | The field the returned products are sorted by.        |
| sSortType=<br>(optional)        | ASC (ascending) or DESC (descending)                  |
| iStart=<br>(optional)           | Amount of objects which are skipped and not returned. |
| iCount=<br>(optional)           | Limits amount of returned objects.                    |

### 5.10 OXERPGetArticleScalePrice

This function exports scale prices assigned to a product.

#### Parameters

| Parameter                     | Description                                           |
|-------------------------------|-------------------------------------------------------|
| fnc=OXERPGetArticleScalePrice | Function name                                         |
| sid=                          | Session ID returned by OXERPLogin.                    |
| id=                           | The ID of the product.                                |
| sSortFieldName=<br>(optional) | The field the returned scale prices are sorted by.    |
| sSortType=<br>(optional)      | ASC (ascending) or DESC (descending)                  |
| iStart=<br>(optional)         | Amount of objects which are skipped and not returned. |

|                       |                                    |
|-----------------------|------------------------------------|
| iCount=<br>(optional) | Limits amount of returned objects. |
|-----------------------|------------------------------------|

### 5.11 OXERPGetArticleAccessoire

This function returns products which are assigned as accessories to another product.

#### Parameters

| Parameter                     | Description                                           |
|-------------------------------|-------------------------------------------------------|
| fnc=OXERPGetArticleAccessoire | Function name                                         |
| sid=                          | Session ID returned by OXERPLogin.                    |
| id=                           | The ID of the product.                                |
| sSortFieldName=<br>(optional) | The field the returned products are sorted by.        |
| sSortType=<br>(optional)      | ASC (ascending) or DESC (descending)                  |
| iStart=<br>(optional)         | Amount of objects which are skipped and not returned. |
| iCount=<br>(optional)         | Limits amount of returned objects.                    |

### 5.12 OXERPGetArticleStock

This function exports the stock of a product.

#### Parameters

| Parameter                | Description                        |
|--------------------------|------------------------------------|
| fnc=OXERPGetArticleStock | Function name                      |
| sid=                     | Session ID returned by OXERPLogin. |
| id=                      | The ID of the product.             |

### 5.13 OXERPGetOrder

This function exports an order.

#### Parameters

| Parameter         | Description                        |
|-------------------|------------------------------------|
| fnc=OXERPGetOrder | Function name                      |
| sid=              | Session ID returned by OXERPLogin. |
| id=               | ID of the order.                   |

### 5.14 OXERPGetOrderArticle

This function exports products of assigned to an order.

### Parameters

| Parameter                     | Description                                           |
|-------------------------------|-------------------------------------------------------|
| fnc=OXERPGetOrderArticle      | Function name                                         |
| sid=                          | Session ID returned by OXERPLLogin.                   |
| id=                           | The OXID of the order                                 |
| sSortFieldName=<br>(optional) | The field the returned products are sorted by.        |
| sSortType=<br>(optional)      | ASC (ascending) or DESC (descending)                  |
| iStart=<br>(optional)         | Amount of objects which are skipped and not returned. |
| iCount=<br>(optional)         | Limits amount of returned objects.                    |

### 5.15 OXERPGetVendor

This function exports a vendor.

### Parameters

| Parameter          | Description                         |
|--------------------|-------------------------------------|
| fnc=OXERPGetVendor | Function name                       |
| sid=               | Session ID returned by OXERPLLogin. |
| id=                | ID of the vendor.                   |

### 5.16 OXERPGetArticleVendor

This function exports the vendor of a product.

### Parameters

| Parameter                 | Description                         |
|---------------------------|-------------------------------------|
| fnc=OXERPGetArticleVendor | Function name                       |
| sid=                      | Session ID returned by OXERPLLogin. |
| id=                       | ID of the product.                  |

### 5.17 OXERPGetVendorArticles

This function returns all products assigned to a vendor.

### Parameters

| Parameter                  | Description                         |
|----------------------------|-------------------------------------|
| fnc=OXERPGetVendorArticles | Function name                       |
| sid=                       | Session ID returned by OXERPLLogin. |
| id=                        | The ID of the vendor.               |

| Parameter                     | Description                                           |
|-------------------------------|-------------------------------------------------------|
| sSortFieldName=<br>(optional) | The field the returned products are sorted by.        |
| sSortType=<br>(optional)      | ASC (ascending) or DESC (descending)                  |
| iStart=<br>(optional)         | Amount of objects which are skipped and not returned. |
| iCount=<br>(optional)         | Limits amount of returned objects.                    |

### 5.18 OXERPGetUser

This function exports a user.

Since OXID eShop version 4.0.1.0, passwords are MD5 encrypted with a salt:

```
OXUSER.OXPASSWORD = MD5 (PASSWORD+SALT)
```

These passwords cannot be decrypted. They cannot be imported in older eShop versions. The salt is always a HEX value.

#### Parameters

| Parameter        | Description                         |
|------------------|-------------------------------------|
| fnc=OXERPGetUser | Function name                       |
| sid=             | Session ID returned by OXERPLLogin. |
| id=              | The ID of the user.                 |

### 5.19 OXERPGetUsers

This function exports several users at once.

#### Parameters

| Parameter                     | Description                                           |
|-------------------------------|-------------------------------------------------------|
| fnc=OXERPGetUsers             | Function name                                         |
| sid=                          | Session ID returned by OXERPLLogin.                   |
| sSortFieldName=<br>(optional) | The field the returned users are sorted by.           |
| sSortType=<br>(optional)      | ASC (ascending) or DESC (descending)                  |
| iStart=<br>(optional)         | Amount of objects which are skipped and not returned. |
| iCount=<br>(optional)         | Limits amount of returned objects.                    |

| Parameter                                   | Description                                               |
|---------------------------------------------|-----------------------------------------------------------|
| timestamp=yyyy-mm-dd hh:mm:ss<br>(optional) | Only users created after this point of time are exported. |

## 5.20 OXERPGetOrders

This function exports several orders at once.

### Parameters

| Parameter                                   | Description                                                                            |
|---------------------------------------------|----------------------------------------------------------------------------------------|
| fnc=OXERPGetOrders                          | Function name                                                                          |
| sid=                                        | Session ID returned by OXERPLLogin.                                                    |
| sSortFieldName=<br>(optional)               | The field the returned orders are sorted by.                                           |
| sSortType=<br>(optional)                    | ASC (ascending) or DESC (descending)                                                   |
| iStart=<br>(optional)                       | Amount of objects which are skipped and not returned.                                  |
| iCount=<br>(optional)                       | Limits amount of returned objects.                                                     |
| timestamp=yyyy-mm-dd hh:mm:ss<br>(optional) | Alle Bestellungen werden exportiert, die an und nach diesem Zeitpunkt angelegt wurden. |

## 5.21 OXERPGetVendors

This function exports several vendors

### Parameters

| Parameter                     | Description                                           |
|-------------------------------|-------------------------------------------------------|
| fnc=OXERPGetVendors           | Function name                                         |
| sid=                          | Session ID returned by OXERPLLogin.                   |
| sSortFieldName=<br>(optional) | The field the returned vendors are sorted by.         |
| sSortType=<br>(optional)      | ASC (ascending) or DESC (descending)                  |
| iStart=<br>(optional)         | Amount of objects which are skipped and not returned. |
| iCount=<br>(optional)         | Limits amount of returned objects.                    |

## 5.22 OXERPCallPlugin

OXERPCallPlugin invokes an external plugin. Sample call:

```
http://shopurl/modules/erp/oxerpcsvexport.php?sid=MYSID&fnc=OXERPCallPlugin&sPluginName=examplePlugin&aRequestData[var1]=val1&aRequestData[var2]=val2
```

### Parameters

| Parameter           | Description                         |
|---------------------|-------------------------------------|
| fnc=OXERPCallPlugin | Function name                       |
| sid=                | Session ID returned by OXERPLLogin. |
| sPluginName=        | The name of a plugin to be called.  |
| aRequestData=       | Data passed to the plugin           |

## 5.23 OXERPGetAttributes

This function exports several attributes which are defined in sIn.

### Parameters

| Parameter                  | Description                                           |
|----------------------------|-------------------------------------------------------|
| fnc=OXERPGetAttributes     | Function name                                         |
| sid=                       | Session ID returned by OXERPLLogin.                   |
| sIn=                       | List of attributnames                                 |
| sSortFieldName= (optional) | The field by which the returned attributes are sorted |
| sSortType= (optional)      | ASC (ascending) or DESC (descending)                  |
| iStart= (optional)         | Amount of objects which are skipped and not returned. |
| iCount= (optional)         | Limits amount of returned objects.                    |

## 5.24 OXERPGetArticleAttributes

This function returns product assignments to attribute.

### Parameters

| Parameter                     | Description                               |
|-------------------------------|-------------------------------------------|
| fnc=OXERPGetArticleAttributes | Function name                             |
| sid=                          | Session ID returned by OXERPLLogin.       |
| sArticleID=                   | ID of the product. May be left empty.     |
| sAttributeID=                 | ID of the attribute. May be left empty.   |
| sSortFieldName= (optional)    | The field the returned data is sorted by. |

| Parameter                | Description                                           |
|--------------------------|-------------------------------------------------------|
| sSortType=<br>(optional) | ASC (ascending) or DESC (descending)                  |
| iStart=<br>(optional)    | Amount of objects which are skipped and not returned. |
| iCount=<br>(optional)    | Limits amount of returned objects.                    |

## 6 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.

### 6.1 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'
);
```

### 6.2 Extending ERP with plugins

With plugins, you can extend the functionality of the CSV interface. Plugins are called using the function `OXERPCallPlugin` (See 5.22).

### 6.3 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 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).

## 6.4 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);
    }
}
```

## 6.5 Data flow of the sample plugin

Assuming data of a `csvexport` request is:

```
http://...&fnc=OXERPCallPlugin&sPluginName=examplePlugin&aRequestData[myvarname1]=value1&
aRequestData[myvarname2]=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.

CSV client would get duplicated input in csv format:

```

myvarname1,myvarname2
value1,value2
value1,value2

```

The first line of the output file is a header line, containing variable names (array key values of the first data record, returned by the plugin, if resulting lines column count is equal). If column count in data is not equal, header line is skipped.

## 7 Expandability of CSV interface

You can also extend the CSV interface with own functions, but we advise you to use plugins (See chapter 6.2) for keeping the ERP easily updatable.

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

### 7.1 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.

## 7.2 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);
}

```

## 7.3 Import definition in *oxerpcsv.php*

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

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

In *oxerpcsv.php* the indicator chars are defined in `$_aObjects` array. For attribute import, we choose 'B' as indicator char and add it to `$_aObjects` array:

```
'B' => 'attribute',
```

Take care that each indicator char is used only once.

#### 7.4 Using new OXERPSetAttribute function

If an attribute with the given OXID already exists, the attribute is updated with the given values. Otherwise, a new attribute is created.

| #  | Content/Example             | Data type                    | Range                                                                                                                           | Field name <sup>25</sup>                       |
|----|-----------------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| 0. | Indicator char              | char(1)                      | [B]                                                                                                                             |                                                |
| 1. | Attribute ID                | char(32) NOT NULL            | [0-9a-f.]                                                                                                                       | OXID                                           |
| 2. | Shop-ID                     | char(32) NOT NULL            | 1 - 64                                                                                                                          | OXSHOPIDError:<br>Reference source not found   |
| 3. | Attribute used in Shops     | bigint(20) NOT NULL UNSIGNED | binary encoded, 64 bit.<br><u>Example:</u><br>Product is in Shops #2 and #7.<br>=> 2nd 7th bit have to be set: The result is 66 | OXSHOPINCLError:<br>Reference source not found |
| 4. | Attribute not used in Shops | bigint(20) NOT NULL          | binary encoded, 64 bit. See above.                                                                                              | OXSHOPEXCLError:<br>Reference source not found |
| 5. | Name                        | char(128) NOT NULL           | [SPACE-~]                                                                                                                       | OXTITLE                                        |
| 6. | Name in language 1          | char(128) NOT NULL           | [SPACE-~]                                                                                                                       | OXTITLE_1                                      |

<sup>25</sup>

Table: oxattribute

| #  | Content/Example    | Data type          | Range           | Field name <sup>25</sup> |
|----|--------------------|--------------------|-----------------|--------------------------|
| 7. | Name in language 2 | char(128) NOT NULL | [SPACE-~]       | OXTITLE_2                |
| 8. | Name in language 3 | char(128) NOT NULL | [SPACE-~]       | OXTITLE_3                |
| 9. | Sorting            | integer(11)        | 0 to 2147483647 | OXPOS                    |

### 7.5 Registering function in oxerpcsvexport.php

In oxerpcsvexport.php, all get functions are defined. `OXERPSetAttribute` is not an export function, nothing has to be changed.

If a get function `OXERPGetAttribute` was implemented, in the field list at the beginning of the file the following line had to be added:

```
"OXERPGetAttribute" => "sAttributeID",
```