

Sisukord

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XML Direct

Introduction

Introduction **XML Direct** is a standardized integration interface designed to provide seamless, structured access to business-critical data through a single unified endpoint. The interface is modular and configurable, allowing organizations to select only the components relevant to their needs.

All components within the XML Direct interface follow a **fixed field structure**, ensuring a **uniform data format** across all Directo customer environments. This common structure enables faster implementation and easier maintenance, as no customer-specific development is required.

Key Features

- **Modular Architecture:** Components (e.g., customers, invoices, inventory) can be enabled individually according to specific integration requirements.
- **Uniform Data Format:** Field definitions and data structure are standardized across all implementations, minimizing inconsistencies.
- **Shared Development Model:** Enhancements and updates are applied centrally and benefit all users, with no need for client-specific customization.
- **Secure Access via API Keys:**
 - Multiple API keys can be generated and assigned to different partners.
 - Each API key can be restricted to access only specific components.
 - This provides enhanced **flexibility** and **data security**.

Implementation Considerations

Prior to implementation, it is essential to:

- Define the **scope of integration**.
- Identify the **required components**.
- Ensure the technical partner has access to the necessary documentation and authentication details.

Once agreed upon, activating the XML Direct interface is straightforward and does not require any Directo-side development or configuration.

API Key

To find the interface XML key and provide it to the developer:


1. Log in to Directo with a user who has SUPER rights
2. Since there can be multiple API keys, you need to open the employee card for whom the key has been created. For example, open the employee card 'XML'



3. Go to the Admin tab



4. Go to the XML interfaces section

5. On the line of the required interface, press the button  to see the key

Access to the Interface (URL)

Access to the interface is via the POST method, form/urlencoded, to the following URL:

https://login.directo.ee/xmlcore/cap_xml_direct/xmlcore.asp

A token must be used for access (see the API Key obtained in the previous chapter). The token replaces the older interface types' appkey and database name all at once. The token must be sent via the POST method in the TOKEN variable (similar to submitting an HTML form) to the given URL to get a result. In case of an incorrect or improperly sent token, the response is `<result type=„5“ desc=„Unauthorized“/>`. In case token is missing the response is `<err>token required</err>`.

curl example

```
curl --location
'https://login.directo.ee/xmlcore/cap_xml_direct/xmlcore.asp' \
--header 'Content-Type: application/x-www-form-urlencoded' \
--data-urlencode 'token=.....' \
--data-urlencode 'get=1' \
--data-urlencode 'what=xxxxx' \
--data-urlencode 'ts=xx.xx.xxxx'
```

Price

The price depends on the selected components.

The output of deleted documents is included in the price and is free of charge.

The price for an additional API key is €0 per month.

If multiple API keys have the same components, the fee for them is charged only once.

Example:

- API key A contains outputs: customer and item
- API key B contains outputs: customer and order

→ In this case, the fee is only for three unique components: customer, item, and order.

Testing

XML Direct interface testing link https://login.directo.ee/xmlcore/cap_xml_direct/webupload.html

General

- Output interfaces show all records, and restrictions can be made with query filters!
- The functionality of input interfaces can be controlled with TRANSPORT PARAMETERS - please read more about the Transport Parameters of the input component. By default, a transport parameter with an empty or '0' value is not required.
- Some inputs also support setting default values.

Components

Selectable components

| Component (what) | Input \ (put=1) | Output \ (get=1) |
|---|-----------------|------------------|
| Orders (order) | x | x |
| Invoices (invoice) | x | x |
| Receipts (receipt) | x | x |
| Customers (customer) | x | x |
| Suppliers (supplier) | x | x |
| Items (item) | x | x |
| Items:Stock Limits (itemstocklimit) | | x |
| Items:Packages (itempackage) | | x |
| Items:Related Items (itemreliitem) | | x |
| Item classes (itemclass) | | x |
| Stock level (stocklevel) | | x |
| Stock level with serial numbers (stocklevel_sn) | | x |

| Component (what) | Input \ (put=1) | Output \ (get=1) |
|--|-----------------|------------------|
| Stock level with variants (stocklevel_variant) | | X |
| Price formula rows (priceformularow) | | X |
| Purchase invoices (purchase) | X | X |
| Financial transactions (transaction) | X | X |
| Resources (resource) | X | X |
| Deleted documents | | X |

Inputs


Invoices

what=invoice [Schema](#)

Header:

| XML field | SQL field | UI field | Explanation |
|--------------------|-------------|----------------------|---|
| session_id | x | | for internal use at Directo side, do not send this field! |
| number | number | Invoice | document number/ID, mandatory; It must be unique for each document and remain same if more than one transaction of the same document is necessary |
| date | aeg | Date | ALT.FROM: current time |
| duedate | aeg2 | Due date | ALT.FROM: paymentterm |
| transactiondate | kande_aeg | | |
| vatzone | maa | VAT zone | local = 0, EU = 1, export = 2 , ALT.FROM: customer > 0 |
| paymentterm | tingimus | P-term | ALT.FROM: customer , if receipt creation is used, this code also becomes the payment method of the receipt |
| ordernumber | tellimusenr | Order no. | |
| latepaymentpenalty | viivis | Late payment penalty | ALT.FROM: customer |
| object | objekt | Object | ALT.FROM: tr.params |
| project | projekt | Project | |
| account | konto | Debt account | |
| country | asumaa | Destination country | ALT.FROM: customer |
| currency | valuuta | Currency | ALT.FROM: glob.settings > 'EUR' |
| currencyrate | kurssbv1 | Rate | ALT.FROM: ECB current published rates |

| XML field | SQL field | UI field | Explanation |
|---------------------|----------------------|---|---|
| customercode | klient_kood | Customer | mandatory by default! |
| customername | klient_nimi | | ALT.FROM: customer |
| orderer_code | klient_tellija | | |
| contact | esindaja | Their representative | ALT.FROM: customer |
| comment | kommentaar | Comment | |
| intcomment | sisekommentaar | Internal comment | |
| salesman | myyja | Sales agent | ALT.FROM: tr.params > 'XML' |
| language | keel | Language | ALT.FROM: customer |
| customerordernumber | klienditellimus | Customer's order no. | |
| email | email | e-mail | ALT.FROM: customer |
| address1 | aadress1 | address, ! according to settings | ALT.FROM: customer |
| address2 | aadress2 | address, ! according to settings | ALT.FROM: customer |
| address3 | aadress3 | address, ! according to settings | ALT.FROM: customer |
| phone | telefon | Phone | ALT.FROM: customer |
| fax | faks | Fax | |
| deliveryname | klientnimi_lahetusel | Name on delivery | |
| deliveryaddress1 | lahetusaadress1 | delivery address, ! according to settings | |
| deliveryaddress2 | lahetusaadress2 | delivery address, ! according to settings | |
| deliveryaddress3 | lahetusaadress3 | delivery address, ! according to settings | |
| priceformula | hinnakiri | Price formula | |
| vatregno | kmregnumber | VAT Reg. no | ALT.FROM: customer |
| datafield1 | lisa_field1 | Add. field 1, ! or according to settings | |
| datafield2 | lisa_field2 | Add. field 2, ! or according to settings | |
| datafield3 | lisa_field3 | Add. field 3, ! or according to settings | |
| datafield4 | lisa_field4 | Add. field 4, ! or according to settings | |
| datafield5 | lisa_field5 | Add. field 5, ! or according to settings | |
| datafield6 | lisa_field6 | Add. field 6, ! or according to settings | |
| datafield7 | lisa_field7 | Add. field 7, ! or according to settings | |
| quotation | pakkumine | Offer | |
| contractnumber | leping | Contract | |
| prepayment | ettemaksu_arve | | 1 for prepayment invoice, 0 for regular invoice |
| type | tyyp | | |
| status | staatatus | Status | |

| XML field | SQL field | UI field | Explanation |
|-----------------------|----------------------|--------------------------------|---|
| paymenttotal | laekumine_summa | |  Positive number will create receipt with same doc. number. If receipt with this number already exists, receipt will not be created and no notification will be issued |
| confirm | kinnita | | „1“ - confirm document |
| stock | ladu | Stock | ALT.FROM: tr.params |
| creditedinvoice | kredarve | Credit invoice | |
| asset | inventar | Asset | |
| dealttype | tehinguliik | Transaction type | |
| delivery | lahetusaeg | Delivery time | |
| deliveryterm | lahetustingimus | Deliv. term. | ALT.FROM: customer |
| deliverytermcomment | lahetustingimus_komm | Deliv. term. | |
| deliverymethod | lahetusviis | Delivery method | |
| deliverymethodcomment | lahetusviis_komm | Delivery method | |
| manager | haldur | Responsible person | |
| changestock | muudaladu | | stock changing invoice = 1 |
| customer_type | klient_tyyp | On customer card: Type | company = 0, private citizen = 1, government institution = 2 |
| customer_regno | klient_regnr | On customer card: Reg no | |
| customer_class | klient_klass | On customer card: Class | |
| customer_loyaltycard | klient_kliendikaart | On customer card: Loyalty card | |

rows:

| XML field | SQL field | UI field | Explanation |
|---------------|-----------|----------------|---|
| item | artikkel | Item | |
| description | seletus | Content | ALT.FROM: item |
| variant | variant | Variant | |
| price | hind | Unit price | unit price without vat |
| discount | pross | % | |
| quantity | kogus | Quantity | |
| unit | yhik | Unit | ALT.FROM: item |
| sum | summa | Sum | |
| account | konto | Account | ALT.FROM: item > item class (depending on vatregion) |
| object | objektid | Object | ALT.FROM: item > item class |
| project | projekt | Project | ALT.FROM: item > item class |
| purchaseprice | kulu | Purchase price | ALT.FROM: item |
| vatcode | kmk | VAT code | ALT.FROM: customer > item > item class (depending on vatregion) |

| XML field | SQL field | UI field | Explanation |
|--------------|---------------|---------------|---|
| comment | r_kommentaar | Comment | |
| date1 | r_aeg1 | | |
| date2 | r_aeg2 | | |
| salesman | r_myyja | Salesperson | |
| order | tellimus | | |
| orderrow | trn | | |
| stock | r_ladu | Stock | |
| sn | seerianumber | Serial no. | |
| deliverytime | lahetusaeg | Delivery time | |
| customer | r_klient | Customer | |
| customername | r_klient_nimi | Customer name | |
| text1 | tekst1 | Text1 | |
| text2 | tekst2 | Text2 | |
| text3 | tekst3 | Text3 | |
| text4 | tekst4 | Text4 | |
| constant1 | konstant1 | Constant1 | |
| constant2 | konstant2 | Constant2 | |
| constant3 | konstant3 | Constant3 | |
| constant4 | konstant4 | Constant4 | |
| shelf | riiul | Shelf | |
| rn | rn | No. | row order number in document 1 - N , ALT.FROM: random |
| rr | rv | Rr | row reference for grouping, otherwise equals to rn , ALT.FROM: equals to rn |

Invoice transport parameters

| TYPE | CODE | PARAMETER 1 | PARAMETER 2 | EXPLANATION |
|------|--------------------------|-------------|-------------|---|
| XML | xd_changestock | 0 | INVOICE | Stock changing invoice (Param.1 =1 means change stock) |
| XML | xd_autocustomer_autocode | 0 | INVOICE | When creating a related customer, the code is created in the interface, a unique email is required and system settings for customer codes are necessary |
| XML | xd_update | 1 | INVOICE | Allow document update if there are no related documents |
| XML | xd_customer_update | 0 | INVOICE | Partial update of customer data (name, email, phone) or according to spec |
| XML | xd_object | TEST_OBJECT | INVOICE | Default object if not sent |
| XML | xd_salesman | XML | INVOICE | Default salesperson |
| XML | xd_stock | PL | INVOICE | Default stock if not sent |
| XML | xd_confirm | 0 | INVOICE | Automatic document confirmation, can also be controlled with the „confirm“ XML field |
| XML | xd_posinvoice | 0 | INVOICE | 1 = POS invoice |

| TYPE | CODE | PARAMETER 1 | PARAMETER 2 | EXPLANATION |
|------|-----------------|-------------|-------------|--|
| XML | xd_autocustomer | 0 | INVOICE | Automatic creation of a related customer if the customer code does not exist |

To configure default invoice values, read more [here](#)

Orders

what=order [Schema](#)

Header:

| XML field | SQL field | UI field | Explanation |
|---------------------|------------------|---|---|
| session_id | x | | for internal use at Directo side, do not send this field! |
| number | number | Order | document number/ID, mandatory; It must be unique for each document and remain same if more than one transaction of the same document is necessary |
| customercode | klient_kood | Customer | mandatory by default! |
| customername | klient_nimi | | ALT.FROM: customer |
| date | aeg | Date | ALT.FROM: current time |
| address1 | aaddress1 | address, ! according to settings | ALT.FROM: customer |
| address2 | aaddress2 | address, ! according to settings | ALT.FROM: customer |
| address3 | aaddress3 | address, ! according to settings | ALT.FROM: customer |
| deliveryaddress1 | lahetusaaddress1 | delivery address, ! according to settings | |
| deliveryaddress2 | lahetusaaddress2 | delivery address, ! according to settings | |
| deliveryaddress3 | lahetusaaddress3 | delivery address, ! according to settings | |
| paymentterm | tingimus | P-term | ALT.FROM: customer , if receipt creation is used, this code also becomes the payment method of the receipt |
| deliverymethod | lahetusviis | Delivery method | ALT.FROM: customer |
| customerordernumber | kliendi_tellimus | Customer's order no. | |
| email | email | e-mail | ALT.FROM: customer |
| phone | telefon | Phone | ALT.FROM: customer |
| comment | kommentaar | Comment | |
| stock | ladu | Stock | ALT.FROM: tr.params |

| XML field | SQL field | UI field | Explanation |
|----------------------|-----------------------|--|---|
| object | objekt | Object | ALT.FROM: tr.params |
| contact | esindaja | Their representative | ALT.FROM: customer |
| datafield1 | lisa_field1 | Add. field 1, ! or according to settings | |
| datafield2 | lisa_field2 | Add. field 2, ! or according to settings | |
| datafield3 | lisa_field3 | Add. field 3, ! or according to settings | |
| datafield4 | lisa_field4 | Add. field 4, ! or according to settings | |
| datafield5 | lisa_field5 | Add. field 5, ! or according to settings | |
| datafield6 | lisa_field6 | Add. field 6, ! or according to settings | |
| datafield7 | lisa_field7 | Add. field 7, ! or according to settings | |
| paymenttotal | laekumine_summa | |  Positive number will create receipt with same doc. number. If receipt with this number already exists, receipt will not be created and no notification will be issued |
| vatzone | maa | Zone | local = 0, EU = 1, export = 2 , ALT.FROM: customer > 0 |
| priceformula | hinnakiri | Price formula | |
| currency | valuuta | Currency | ALT.FROM: glob.settings > 'EUR' |
| currencyrate | kurssbv1 | Rate | ALT.FROM: ECB current published rates |
| vatregno | kmregnumber | VAT Reg. no | ALT.FROM: customer |
| country | asumaa | Destination country | ALT.FROM: customer |
| status | staatus | Status | |
| delivery | lahetusaeg | Delivery time | |
| customer_type | klient_tyyp | On customer card: Type | company = 0, private citizen = 1, government institution = 2 |
| customer_regno | klient_regnr | On customer card: Reg no | |
| customer_loyaltycard | klient_kliendikaart | On customer card: Loyalty card | |
| salesman | myyja | Sales agent | ALT.FROM: tr.params > 'XML' |
| project | projekt | Project | |
| deliveryname | klient_nimi_lahetusel | Name on delivery | |
| factoring | arvetasub | Invoice paid by | ALT.FROM: customer |
| deliveryterm | lahetustingimus | Deliv. term. | |
| language | keel | Language | ALT.FROM: customer |

Rows:

| XML field | SQL field | UI field | Explanation |
|--------------|--------------|---------------|---|
| item | artikkel | Item | |
| description | nimetus | Content | ALT.FROM: item |
| price | yhikuhind | Unit price | unit price without vat |
| quantity | kogus | Quantity | |
| discount | pross | % | |
| account | konto | Account | ALT.FROM: item > item class (depending on vatregion) |
| vatcode | kmkood | VAT code | ALT.FROM: customer > item > item class (depending on vatregion) |
| unit | yhik | Unit | ALT.FROM: item |
| comment | r_kommentaar | Comment | |
| variant | variant | Variant | |
| deliverytime | lahetusaeg | Delivery time | |
| stock | r_ladu | Stock | |
| project | projekt | Project | ALT.FROM: item > item class |
| ext_sum | ext_sum | | |
| ext_id | ext_id | | |
| rn | rn | No. | row order number in document 1 - N , ALT.FROM: random |
| rr | rv | Rr | row reference for grouping, otherwise equals to rn , ALT.FROM: equals to rn |

Order transport parameters

| TYPE | CODE | PARAMETER 1 | PARAMETER 2 | EXPLANATION |
|------|--------------------------|-------------|-------------|---|
| XML | xd_stock | PL | ORDER | Default stock, if not sent |
| XML | xd_object | VEEB | ORDER | Default object, if not sent |
| XML | xd_autocustomer | 1 | ORDER | Automatic creation of a related customer if the customer code does not exist |
| XML | xd_confirm | 0 | ORDER | Automatic document confirmation, this can also be controlled with the XML field „confirm“ |
| XML | xd_update | 1 | ORDER | Allow document update if there are no related documents |
| XML | xd_autocustomer_autocode | 0 | ORDER | When creating a related customer, the code is created in the interface, a unique email is required and system settings for customer codes are necessary |
| XML | xd_customer_update | 0 | ORDER | Partial update of customer data, (name, email, phone) or according to spec |
| XML | xd_salesman | XML | ORDER | Default salesperson |
| XML | xd_confirmpayment | 1 | ORDER | Automatic receipt confirmation |

| TYPE | CODE | PARAMETER 1 | PARAMETER 2 | EXPLANATION |
|------|-------------------|-------------|-------------|---|
| XML | xd_paymentvatcode | 11 | ORDER | VAT code for the created related receipt row, receipt is generated upon sending the „paymentamount“ field, which must exist in the schema |
| XML | xd_order_assemble | 1 | ORDER | Triggers the order assembler for items with recipes |

To configure default order values, read more [here](#)

Receipts

what=receipt [Schema](#)

Header:

| XML field | SQL field | UI field | Explanation |
|-------------|-------------|--------------|---|
| session_id | x | | for internal use at Directo side, do not send this field! |
| number | number | Receipt | document number/ID, mandatory; It must be unique for each document and remain same if more than one transaction of the same document is necessary |
| date | aeg | Time | ALT.FROM: current time |
| description | seletus | Comment | |
| paymentmode | tasumisviis | Paym. method | |
| user | kasutaja | User | |
| reference | viide | Reference | |
| object | objekt | Object | ALT.FROM: tr.params |
| project | projekt | Project | ALT.FROM: tr.params |
| location | arvuti | Location | |
| confirm | kinnita | | confirm document = 1 |

rows:

| XML field | SQL field | UI field | Explanation |
|--------------|-------------|----------------|---|
| invoice | arvenumber | Invoice no | |
| aeg | raeg | Time | ALT.FROM: receipt header |
| customer | klient_kood | Customer | ALT.FROM: invoice > order > customer by regno field |
| order | ettemaks | Order No. | |
| customername | klient_nimi | Text | ALT.FROM: invoice > order > customer by regno field |
| payment | tasuti | Paid | ALT.FROM: in case of base currency = received field |
| bankcurrency | valuuta_p | Curr. received | ALT.FROM: glob.settings > 'EUR' |
| received | summa_p | Amount R | |
| currencyrate | kurss_p | Rate R | ALT.FROM: ECB current published rates |

| XML field | SQL field | UI field | Explanation |
|--------------------|----------------|---------------|--|
| paymentfee | teenustasu | S-Fee | |
| vatcode | kmk | VAT code | ALT.FROM: tr.params |
| paymentfeecurrency | valuuta_teenus | S-Fee curr. | |
| description | selgitus | Explanation | |
| regno | reg | Reg number/PC | ALT.FROM: customer |
| bankaccount | arveldusarve | Bank account | |
| objects | objektid | Object | ALT.FROM: invoice > order |
| account | r_konto | Account | |
| fine | viivis | Penalty | |
| rn | rn | No. | row order number in document 1 - N , ALT.FROM: random |

Transactions

what=transaction [Schema](#)

Header:

| XML field | SQL field | UI field | Explanation |
|------------|-----------|-------------|--|
| session_id | x | | for internal use at Directo side, do not send this field! |
| number | number | Number | document number/ID, mandatory; With combination of field „type“ it must be unique for each document and remain same if more than one transaction of the same document is necessary |
| date | aeg2 | Time | |
| reference | viide | Reference | |
| comment | seletus | Explanation | |
| type | tyyp | Type | ALT.: FIN |

rows:

| XML field | SQL field | UI field | Explanation |
|----------------|----------------|--------------|---------------------------------------|
| account | konto | Account | |
| object | objekt | Objects | |
| description | sisu | Content | ALT.FROM: account |
| vatcode | kmkood | VAT code | |
| quantity | kogus | Quantity | |
| debitamount | baas1deebet | Debit | |
| creditamount | baas1kreedit | Credit | |
| currencydebit | valuutadeebet | Curr. debit | |
| currencycredit | valuutakreedit | Curr. credit | |
| currencyrate | b1kursile | Rate | ALT.FROM: ECB current published rates |
| currency | valuuta | Currency | ALT.FROM: glob.settings > 'EUR' |
| date | r_aeg | Time | |
| supplier | hankija | Supplier | |
| customer | klient | Customer | |
| project | projekt | Project | |

| XML field | SQL field | UI field | Explanation |
|-----------|-----------|----------|---|
| rn | rn | No. | row order number in document 1 - N , ALT.FROM: random |

Kliendid

- Postitamisel ja muutmisel on alati nõutud code ja email!

what=customer [Skeem](#)

Kliendid

| XML väli | SQL väli | UI väli | Selgitus |
|------------------|------------------|--------------------------------|---|
| session_id | x | | for internal use at Directo side, do not send this field! |
| code | kood | Kood | document number/ID, mandatory; It must be unique for each document and remain same if more than one transaction of the same document is necessary |
| name | nimi | Nimi | |
| object | objekt | Objekt | |
| address1 | aadress1 | aadress, ! vastavalt seadetele | |
| address2 | aadress2 | aadress, ! vastavalt seadetele | |
| address3 | aadress3 | aadress, ! vastavalt seadetele | |
| deliveryaddress1 | lahaadress1 | aadress, ! vastavalt seadetele | |
| deliveryaddress2 | lahaadress2 | aadress, ! vastavalt seadetele | |
| deliveryaddress3 | lahaadress3 | aadress, ! vastavalt seadetele | |
| county | maakond | Maakond | |
| country | asumaa | Asumaa | |
| contact | kontakt | Esindaja | |
| phone | telefon | Telefon | |
| email | email | Meil | mandatory |
| regno | regnr | Reg nr | |
| vatregno | kmregnr | Km reg nr | |
| notice | margukiri | Märgukirjad | yes = 1 |
| birthday | klient_synnipaev | Sünnipäev | |
| gender | klient_sugu | Sugu | female = 1, male = 0 |
| class | klass | Klass | |
| type | klient_tyyp | Tüüp | company = 0, private citizen = 1, government institution = 2 |
| loyaltycard | kliendikaart | Kliendikaart | also used for personal ID code |
| deliveryname | nimi_lahetusel | Nimi lähetusel | |
| deliverymode | lahetusviis | Läh. viis | |
| alert | hoiatus | Hoiatus | |

| XML väli | SQL väli | UI väli | Selgitus |
|---------------------|----------------|---------------|-------------------------------------|
| factoring | arvetasub | Arve tasub | |
| fax | faks | Faks | |
| comment | kommentaar | Kommentaar | |
| payterm | tingimus | Tas. ting. | |
| vatzone | maa | KM maa | local = 0, EU = 1, export = 2 |
| language | keel | Keel | |
| salesman | myyja | Müüja | |
| bank | pank | Pank | |
| bankaccount | arveldusarve | A/a | |
| url | URL | Url | |
| status | staatus | Staatus | |
| accountmanager | kliendihaldur | Haldur | |
| dealttype | tehinguliik | Tehinguliik | |
| creditlimit | limiit | Limiit | |
| priceformula | hinnakiri | Hinnavalem | |
| specialpriceformula | hinnavalem_eri | Eripakkumised | |
| discount | ale | Soodus % | |
| destination | sihtriik | Sihtriik | |
| firstname | eesnimi | | |
| lastname | perenimi | | |
| vatcode | kmkood | KM kood | |
| extcode | valine_kood | Väline kood | |
| deliveryinvoice | lah_arve | Lähetus | Lähetus ja Arve = 1, Lähetus = 0 |
| currency | valuuta | Valuuta | |
| closed | suletud | | |

Lisaväljad:

| XML väli | SQL väli | UI väli | Selgitus |
|----------|----------|------------|----------|
| code | kood | | |
| content | sisu | Sisu | |
| param | param | Parameeter | |

Kliendi transpordi parameetrid

| TÜÜP | KOOD | PARAMEETER 1 | PARAMEETER 2 | SELGITUS |
|------|------|--------------|--------------|----------|
|------|------|--------------|--------------|----------|

Hankijad

- Postitamisel ja muutmisel on alati nõutud code!

what=supplier [Skeem](#)

hankijad:

| XML väli | SQL väli | UI väli | Selgitus |
|----------------|-------------|---------|---|
| session_id | x | | for internal use at Directo side, do not send this field! |
| code | kood | Kood | document number/ID, mandatory; It must be unique for each document and remain same if more than one transaction of the same document is necessary |
| name | nimi | Nimi | |
| contact | kontakt | | |
| address1 | aadress1 | | |
| address2 | aadress2 | | |
| address3 | aadress3 | | |
| phone | telefon | | |
| fax | faks | | |
| comment | kommentaar | | |
| payment | tasumine | | |
| vatregion | tasu | | |
| bankaccount | pangakonto | | |
| debtaccount | vkonto | | |
| expenseaccount | kulukonto | | |
| factoring | arvetasub | | |
| currency | valuuta | | |
| country | maa | | |
| object | objekt | | |
| language | keel | | |
| class | klass | | |
| deliveryterm | lahting | | |
| deliverymode | lahviis | | |
| vatregno | kmregnr | | |
| alert | hoiatus | | |
| vatcode | kmkood | | |
| regno | regnr1 | | |
| ppaccount | ekonto | | |
| bycustomer | klient | | |
| lskonto | lskonto | | |
| email | email | | |
| reference | viide | | |
| closed | suletud | | |
| dealttype | tehinguliik | | |
| origin | saatjariik | | |
| normtime | norm_aeg | | |
| trancost | transakulu | | |
| skype | skype | | |
| discount | ale | | |
| proceeders | menetlejad | | |

| XML väli | SQL väli | UI väli | Selgitus |
|--------------------|-------------------|---------|----------|
| prefilled | eeltaida | | |
| stock | ladu | | |
| proceedertempalte | menetlejad_mall | | |
| referencemandatory | viide_kohustuslik | | |
| type | hank_tyyp | | |
| purchasinggroup | ostugrupp | | |
| county | maakond | | |

hankijad lisaväljad:

| XML väli | SQL väli | UI väli | Selgitus |
|----------|----------|------------|----------|
| code | kood | | |
| content | sisu | Sisu | |
| param | param | Parameeter | |

Artiklid

- Artikli kaardi täitmisel liides täidab väljad vastavalt reeglitele [Kohustuslikud väljad](#)

what=item [Skeem](#)

Artiklid

| XML väli | SQL väli | UI väli | Selgitus |
|---------------|--------------------|------------------|---|
| session_id | x | | for internal use at Directo side, do not send this field! |
| code | kood | Kood | document number/ID, mandatory; It must be unique for each document and remain same if more than one transaction of the same document is necessary |
| name | nimi | Nimi | |
| class | klass | Klass | |
| barcode | ribakood | Ribakood | |
| areacode | piirkonnakood | Päritolu | |
| unit | yhik | Ühik | |
| salesprice | baashind | Müügihind | without VAT |
| accountlocal | konto_myyk | Müük Siseriiklik | |
| accounteu | konto_myyk_EU | Müük EU | |
| accountexport | konto_myyk_eksport | Müük Eksp | |
| vatcode | KMkood | KM Siseriiklik | |
| vatcodeeu | KMkood_EU | KM EU | |
| vatcodeexport | KMkood_eksport | KM mitte EU | |

| XML väli | SQL väli | UI väli | Selgitus |
|-----------------|---------------------|-----------------------------|---|
| type | tyyp | Tüüp | ALT.FROM: tr.params, cannot be updated. 0=service; 1=stock item; 2=rental item |
| minlevel | minimaaltase | Min tase | |
| shelf | riiulikood | Riiul | |
| weight | kaal | Kaal | |
| volume | maht | Maht | |
| warranty | garantii | Garantii | |
| package1 | yhikumuut1 | Pakis 1 | |
| package2 | yhikumuut2 | Pakis 2 | |
| sntracking | SN_jalgimine | Seeria nr | cannot be updated. 0=without sn tracking; 1=serial no tracking; 2=batch no tracking |
| cost | ostuhind | Ostuhind | |
| object | objekt | Objekt | |
| recipe | retsept | Retsept | |
| recipetorows | retsept_riidadeks | Retsept ei asetu | |
| alert | hoiatus | Hoiatus | |
| closed | suletud | Suletud | closed = 1, open = 0 |
| description | pikktekst | Kirjeldus | |
| vatprice1 | hind_okonline | Lisahind 1 (customizable) | with local VAT |
| vatprice2 | hind_delfi | Lisahind 2 (customizable) | with local VAT |
| vatprice3 | soodus_hind1 | Soodushind 1 (customizable) | with local VAT |
| vatprice4 | soodus_hind2 | Soodushind 2 -customizable) | with local VAT |
| vatprice | hind_tavaline | Tavahind | ALT.FROM: salesprice + local vat |
| priority | prioriteet | Prioriteet | |
| url | url | URL | |
| supplier | hankija_kood | Hankija | |
| supplieritem | hankija_artikkel | Hank. artikkel | |
| maxlevel | maksimaaltase | Max tase | |
| abc | abc | ABC klass | |
| cn8code | cn8_kood | CN8 kood | |
| cnkogus | cnkogus | CN kogus | |
| vatcodeeu2 | KMKood_EU2 | KM EU 2 | |
| vatcodeeu3 | KMKood_EU3 | KM EU 3 | |
| vatcodeconcern | KMKood_kontsern | KM kontsern | |
| accounteu2 | konto_myyk_EU2 | Müük EU 2 | |
| accounteu3 | konto_myyk_EU3 | Müük EU 3 | |
| accountconcern | konto_myyk_kontsern | Müük kontsern | |
| snclass | sn_klass | SN klass | |
| normarrivaltime | norm_aeg | Norm saabumisaeg | |
| replacement | asendus | Asendus | |
| snrule | sn_reegel | SN reegel | |

| XML väli | SQL väli | UI väli | Selgitus |
|---------------|---------------|---|-----------------------------------|
| project | projekt | Projekt | |
| variants | variandid | Variant | cannot be updated. 0=no; 1=yes |
| autosn | auto_sn | Auto SN | |
| specialprice1 | kaibeta_hind1 | Artikli käibeta lisahind1 (customizable) | |
| specialprice2 | kaibeta_hind2 | Artikli käibeta lisahind2 (customizable) | |
| specialprice3 | kaibeta_hind3 | Artikli käibeta lisahind3 (customizable) | |
| specialprice4 | kaibeta_hind4 | Artikli käibeta lisahind4 (customizable) | |
| specialprice5 | kaibeta_hind5 | Artikli käibeta lisahind5 (customizable) | |
| specialprice6 | kaibeta_hind6 | Artikli käibeta lisahind6 (customizable) | |
| specialprice7 | kaibeta_hind7 | Artikli käibeta lisahind7 (customizable) | |
| specialprice8 | kaibeta_hind8 | Artikli käibeta lisahind8 (customizable) | |
| height | korgus | Kõrgus | |
| width | laius | Laius | |
| depth | sygavus | Sügavus | |
| grossweight | kaal_bruto | Bruto kaal | |
| giftcert | kinkekaart | Kinkekaart | |
| manufacturer | tootja | Tootja | |

Artiklid lisaväljad:

| XML väli | SQL väli | UI väli | Selgitus |
|----------|----------|------------|----------|
| code | kood | | |
| content | sisu | Sisu | |
| param | param | Parameeter | |

Artiklid pakendid:

| XML väli | SQL väli | UI väli | Selgitus |
|---------------|---------------|--------------|----------|
| class | pakendi_klass | Klass | |
| type | pakendi_tyyp | Tüüp | |
| height | korgus | Kõrgus | |
| width | laius | Laius | |
| length | pikkus | Pikkus | |
| volume | maht | Maht | |
| qty | kogus | Pak.kogus | |
| packageweight | pakendi_kaal | Pakendi kaal | |
| productweight | toote_kaal | Toote kaal | |
| totalweight | kaal_kokku | KOKKU kaal | |
| totalvolume | maht_kokku | KOKKU maht | |

| XML väli | SQL väli | UI väli | Selgitus |
|----------|------------|------------|----------|
| barcode | ribakood | Ribakood | |
| comment | kommentaar | Kommentaar | |
| shelf | riiul | Riiul | |

Artiklid - hankija artiklid:

| XML väli | SQL väli | UI väli | Selgitus |
|------------------|------------------|---------------------------|--|
| supplier | hankija | Hankija | |
| supplieritem | hankija_artikkel | Hank. artikkel | |
| name | nimi | Nimi | |
| price | hind | Ostuhind | |
| normarrivalttime | norm_aeg | Norm saabumisaeg | |
| object | objekt | Objekt | |
| variant | variant | Variant | |
| varianta | varianta | VariantA - (customizable) | |
| variantb | variantb | VariantB - (customizable) | |
| variantc | variantc | VariantC - (customizable) | |
| variantd | variantd | VariantD - (customizable) | |
| variante | variante | VariantE - (customizable) | |
| variantf | variantf | VariantF - (customizable) | |
| variantg | variantg | VariantG - (customizable) | |
| varianth | varianth | VariantH - (customizable) | |
| salesprice | myygihind | Müügihind | without VAT |
| sales | myyk | | ALT.FROM: tr.params, cannot be updated , sales item = 1, supplier item = 0 |

Artiklid - minmax:

| XML väli | SQL väli | UI väli | Selgitus |
|----------|-----------|---------|----------|
| stock | ladu | Ladu | |
| shelf | riiul | Riiul | |
| variant | variant | Variant | |
| minlevel | min_kogus | MIN | |
| maxlevel | max_kogus | MAX | |

Artikli transpordi parameetrid

| TÜÜP | KOOD | PARAMEETER 1 | PARAMEETER 2 | SELGITUS |
|------|---------------------|--------------|--------------|--|
| XML | xd_supplieritemtype | 0 | ITEM | 0 = hankija artikkel; 1 = müügi artikkel |
| XML | type | 1 | ITEM | 1 = laoartikkel |

Ostuarved

what=purchase [Skeem](#)

Päis

| XML väli | SQL väli | UI väli | Selgitus |
|--------------------|---------------|------------------------|---|
| session_id | x | | for internal use at Directo side, do not send this field! |
| number | number | Number | document number/ID, mandatory; It must be unique for each document and remain same if more than one transaction of the same document is necessary |
| date | aeg | Arve aeg | ALT.FROM: current time |
| duedate | tas_aeg | Tas. aeg | |
| sum | summa | Tasuda | sum with vat |
| supplierinvoiceno | hankija_arve | Hankija arve | |
| paymentterm | tingimus | Tas. ting. | ALT.FROM: supplier |
| suppliercode | hankija_kood | Hankija | |
| suppliername | hankija_nimi | | ALT.FROM: supplier |
| bankaccount | pangakonto | | ALT.FROM: supplier |
| reference | viide | Viitenumber | ALT.FROM: supplier |
| transactiontime | kande_aeg | Op. aeg | |
| creditaccount | kred_konto | Kred. konto | ALT.FROM: supplier > glob.settings |
| factoring | arve_tasub | Arve tasub | |
| currency | valuuta | Valuuta | ALT.FROM: glob.settings > 'EUR' |
| currencyrate | kurssbv1 | Kurss | ALT.FROM: ECB current published rates |
| vatzone | maa | KM Maa (peidetud väli) | local = 0, EU = 1, export = 2 , ALT.FROM: supplier > 0 |
| comment | kommentaar | Kommentaar | |
| vat | arvestatudkm | KM kokku | |
| object | objekt | Objekt | ALT.FROM: supplier > tr.params |
| bankcode | pangakood | Pangakood | |
| creditpurchase | kredost | Kred. ost | |
| purchaseorder | ostutellimus | Ostutellimus | |
| project | projekt | Projekt | |
| email | email | meil | ALT.FROM: supplier |
| stockreceipt | sissetulek | Sissetulek | |
| country | asumaa | Saatjariik | ALT.FROM: supplier |
| prepayment | ettemaks | Ettemaks | |
| status | staatatus | Staatatus | |
| type | tyyp | Tüüp | |
| dividedsum | jagatav_summa | Jagatav summa | |
| vatdate | km_aeg | KM aeg | ALT.FROM: date > current time |
| reclamation | reklamatsioon | Reklamatsioon | |
| reclamationcomment | rekl_selgitus | Rekl. selgitus | |
| asset | inventar | Inventar | |
| datafield1 | lisa_field1 | | |
| datafield2 | lisa_field2 | | |
| datafield3 | lisa_field3 | | |

| XML väli | SQL väli | UI väli | Selgitus |
|---------------------|------------------|----------------|---|
| datafield4 | lisa_field4 | | |
| datafield5 | lisa_field5 | | |
| datafield6 | lisa_field6 | | |
| datafield7 | lisa_field7 | | |
| intcomment | sisekommentaar | Sisekommentaar | |
| supplier_class | hankija_klass | Klass | |
| supplier_vatcountry | hankija_maa_tasu | KM-maa | local = 0, EU = 1, export = 2 , ALT.FROM: customer > 0 |
| supplier_regno | hankija_regnr1 | Reg nr 1 | |
| supplier_vatregno | hankija_kmregnr | Km reg nr | |
| supplier_type | hankija_tyyp | Tüüp | |
| confirm | kinnita | Olek | „1“ - confirm document |

read

| XML väli | SQL väli | UI väli | Selgitus |
|----------------|------------------|----------------|---------------------------------------|
| account | konto | Konto | |
| object | objekt | Objekt | ALT.FROM: project |
| name | sisu | Sisu | ALT.FROM: account |
| linetotalwovat | summa | Summa | |
| vatcode | kmkood | KMK | ALT.FROM: supplier > account > object |
| project | projekt | Projekt | |
| customer | klient_kood | Klient | |
| item | artikkel | Artikkel | |
| quantity | kogus | Kogus | |
| date1 | r_aeg1 | Algus | |
| date2 | r_aeg2 | Lõpp | |
| contract | leping | Leping | |
| user | kasutaja | Kasutaja | |
| oid | oid | OID | |
| orderrn | trn | | |
| asset | r_inventar | Inventar | |
| price | myygihind | Müügihind | |
| constant1 | konstant1 | | |
| constant2 | konstant2 | | |
| constant3 | konstant3 | | |
| constant4 | konstant4 | | |
| text1 | tekst1 | | |
| text2 | tekst2 | | |
| text3 | tekst3 | | |
| text4 | tekst4 | | |
| intcomment | r_sisekommentaar | Sisekommentaar | |
| vatsum | km | KM | |
| rn | rn | Nr | |

manused

| XML väli | SQL väli | UI väli | Selgitus |
|-----------------|----------------------|---------|---|
| name | attachment_name | | |
| description | attachment_kirjeldus | | |
| code | kood | | for updating existing attachments, do not send this field for new attachments |
| sharepoint_link | cloud_preview_query | | external Sharepoint attachment link |
| gdrive_link | cloud_gdrive | | external Google Drive attachment link |
| ext_link | cloud_ext_link | | external attachment link, must be full external link starting with http:// |

Ostuarve transpordi parameetrid

| TÜÜP | KOOD | PARAMEETER 1 | PARAMEETER 2 | SELGITUS |
|------|--------------------------|--------------|--------------|--|
| XML | xd_autosupplier | 1 | PURCHASE | Automaatne seotud hankija loomine, kui hankija koodi ei eksisteeri, unikaalne regnr on eelduseks |
| XML | xd_autosupplier_autocode | 0 | PURCHASE | Seotud hankija loomisel luuakse kood liideses, unikaalne reg.number on vajalik ja hankija koodi süsteemiseadistused on vajalikud |
| XML | xd_update | 0 | PURCHASE | Luba dokumendi update, kui puuduvad seotud dokumendid |
| XML | supplier_update | 0 | PURCHASE | Hankija andmete osaline update, (email, ...) väljad on vaja spekis täpsustada |
| XML | xd_object | VEEB | PURCHASE | Vaikimisi objekt, kui ei saadeta |
| XML | xd_confirm | 0 | PURCHASE | Automaatne dokumendi kinnitamine, seda saab ka juhtida XML väljaga „confirm“ |

Ressursid

what=resource [Skeem](#)

Päis:

| XML väli | SQL väli | UI väli | Selgitus |
|---------------|------------------|---------|----------|
| session_id | x | | |
| ext_unique_id | ext_unique_id | | |
| number | number | | |
| date | aeg | | |
| comment | kommentaar | | |
| customer | vaik_klient_kood | | |

| XML väli | SQL väli | UI väli | Selgitus |
|------------|-------------|---------|----------|
| employee | vaik_tegija | | |
| stock | ladu | | |
| project | projekt | | |
| asset | inventar | | |
| datafield1 | lisa_field1 | | |
| datafield2 | lisa_field2 | | |
| datafield3 | lisa_field3 | | |
| datafield4 | lisa_field4 | | |
| datafield5 | lisa_field5 | | |
| datafield6 | lisa_field6 | | |
| datafield7 | lisa_field7 | | |
| object | objekt | | |
| confirm | kinnita | | |

Read:

| XML väli | SQL väli | UI väli | Selgitus |
|---------------|--------------|---------|----------|
| item | artikkel | | |
| quantity | kogus | | |
| date | aeg | | |
| description | nimetus | | |
| price | hind | | |
| discount | ale | | |
| comment | kommentaar | | |
| event | event | | |
| purchaseprice | fifo | | |
| unit | yhik | | |
| employee | tegija | | |
| invoiced | arvega | | |
| contract | leping | | |
| timewindow1 | aeg_aken1 | | |
| timewindow2 | aeg_aken2 | | |
| project | projekt | | |
| sum | summa | | |
| customer | klient_kood | | |
| customername | klient_nimi | | |
| stock | r_ladu | | |
| vatcode | kmk | | |
| contact | kontakt | | |
| object | objektid | | |
| closed | suletud | | |
| initialqty | kogus_alg | | |
| finishedqty | kogus_tehtud | | |
| stopped | peatatud | | |
| customerqty | klient_kogus | | |

| XML väli | SQL väli | UI väli | Selgitus |
|--------------|------------|---------|----------|
| sn | sn | | |
| constant1 | konstant1 | | |
| constant2 | konstant2 | | |
| constant3 | konstant3 | | |
| constant4 | konstant4 | | |
| asset | r_inventar | | |
| capitalasset | pohivara | | |
| shelf | riiul | | |
| department | osakond | | |
| text1 | tekst1 | | |
| text2 | tekst2 | | |
| text3 | tekst3 | | |
| text4 | tekst4 | | |
| delete | kustuta | | |
| rn | rn | | |

Väljundid

Artiklid (Items)

- what=item [Skeem](#)
Filtrid: class,code,type,barcode,supplier,supplieritem,closed,ts

Artikli laolimiidid (Item stock limits)

- what=itemstocklimit [Skeem](#)
Filtrid: code,stock,ts

Artikli pakendid (Item packages)

- what=itempackage [Skeem](#)
Filtrid: code,ts

Seotud artikli (Item relations)

- what=itemreliitem [Skeem](#)
Filtrid: code,ts

Kliendid (Customers)

- what=customer [Skeem](#)
Filtrid: code,loyaltycard,regno,email,phone,closed,ts

Hankijad (Suppliers)

- what=supplier
- [Skeem](#)
- Filtrid: code,regno,email,closed,ts

Laoseis (Stock levels)

- what=stocklevel [Skeem](#)
- what= stocklevel_sn [Skeem](#)
- what=stocklevel_variant [Skeem](#)
- Filtrid: code,stock,ts

Hinnavalemi read (Price formula rows)

- what=priceformularow [Skeem](#)
Filtrid: class,code,ts

Artikli klassid (Item classes)

- what=itemclass [Skeem](#)
Filtrid: code,master

Arved (Invoices)

- what=invoice [Skeem](#)
Filtrid: number,customercode,transactiondate,date1,date2,ts, ordernumber

Tellimused (Orders)

- what=order [Skeem](#)
Filtrid: number,date1,date2,ts, projekt, customerordernumber, stock, status

Finantskanded (Transactions)

- what=transaction [Skeem](#)
Filtrid: number,date1,date2,ts

Laekumised (Receipts)

- what=receipt [Skeem](#)
Filtrid: number,date1,date2,ts

Ostuarved (Purchase)

- what=purchase [Skeem](#)
Filtrid: number,date1,date2,supplier,confirmed,status,ts

Ressursid (Resources)

- what=resource [Skeem](#)
- Filtrid: number,confirmed,ts

Kustutatud dokumendid (Deleted documents)

- what=delete [Skeem](#)
Filtrid: number,code,document,ts

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