

Sisukord

| | |
|---|----|
| XML Direct | 3 |
| Tutvustus | 3 |
| API võti | 3 |
| Ligipääs liidesele (URL) | 3 |
| Üldised tehnilised nõuded | 4 |
| curl näited | 4 |
| Hind | 5 |
| Testimine | 5 |
| Üldine | 5 |
| Komponendid | 6 |
| Sisendid | 7 |
| Pakkumised | 7 |
| Arved | 9 |
| Tellimused | 13 |
| Laekumised | 16 |
| Objektid | 17 |
| Lisaväljad: | 18 |
| Kanded | 18 |
| Kliendid | 19 |
| Hankijad | 21 |
| Kontaktid | 22 |
| Artiklid | 23 |
| Retseptid | 27 |
| Lähetused | 27 |
| Tagastused | 28 |
| Inventuurid | 29 |
| Liikumised | 30 |
| Laotellimused | 31 |
| Ostutellimused | 32 |
| Sissetulekud | 34 |
| Ostuarved | 36 |
| Tootmised | 39 |
| Projektid | 41 |
| Sündmused | 44 |
| Ressursid | 45 |
| Kasutajad | 47 |
| Puudumised | 50 |
| Väljundid | 51 |
| Pakkumised (quotation) | 51 |
| Artiklid (Items) | 51 |
| Kliendid (Customers) | 52 |
| Hankijad (Suppliers) | 52 |
| Kontaktid (contact) | 52 |
| Laod(stock) | 52 |
| Laoseis (Stock levels) | 52 |
| Hinnavalemi read (Price formula rows) | 53 |
| Artikli klassid (Item classes) | 53 |
| Artikliajalugu (itemhistoryrow) | 53 |

| | |
|---|----|
| Retseptid (recipe) | 53 |
| Arved (Invoices) | 53 |
| Tellimused (Orders) | 53 |
| Finantskanded (Transactions) ja Finantskande read (Transactionrows) | 53 |
| Laekumised (Receipts) | 54 |
| Lähetused (delivery) | 54 |
| Tagastused (stockreturn) | 54 |
| Inventuurid (taking) | 54 |
| Liikumised(movement) | 54 |
| Laotellimused(stockorder) | 54 |
| Ostutellimused (purchaseorder) | 54 |
| Sissetulekud (stockreceipt) | 54 |
| Ostuarved (Purchase) | 54 |
| Tootmised (production) | 55 |
| Kontod (account) | 55 |
| Objektid (object) | 55 |
| Projektid (project) | 55 |
| Sündmused(event) | 55 |
| Ressursid (resource) | 55 |
| Kasutajad(user) | 55 |
| Puudumised (absence) | 55 |
| Asenduste log (Replacement log) | 56 |
| Kustutatud dokumendid (Deleted documents) | 56 |

XML Direct

Tutvustus

XML Direct on standardiseeritud liides, mis töötab ühispöördumispunkti kaudu ning koosneb komponentidest, mida saab vastavalt vajadusele eraldi valida.

Kõigi komponentide väljad on fikseeritud ehk „lukus“ – see tähendab, et andmevorming ja struktuur on ühtsed kõigis Directo kliendibaasides. Arendused tehakse jagatud lahenduse põhimõttel ja liidese aktiveerimine ei vaja Directo-poolset kohandamist.

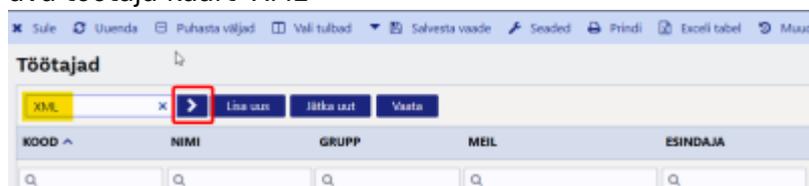
Liides võimaldab luua mitu erinevat API võtit, et pakkuda turvalist ligipääsu mitmele partnerile. Igal API võtmel võib olla ligipääs ainult valitud komponentidele, mis suurendab paindlikkust ja infoturvet.

Enne kasutuselevõttu tuleb kokku leppida, millised komponendid on vajalikud.

API võti

Et leida liidese XML võti ja edastada see arendajale:

1. Logi Directosse sisse kasutajaga kellel on SUPER õigused
2. Kuna API võtmeid võib olla mitu, siis pead avama töötaja kaardi kellele on võti loodud. Näiteks ava töötaja kaart 'XML'



3. Liigu Admin sakile



4. Liigu sektsioonini XML liideseid

5. Vajaliku liidese real vajuta nuppu  et näha võtit

Ligipääs liidesele (URL)

Liidesele ligipääs käib POST meetodil, form/urlencoded järgneva URL'i suhtes:

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

Ligipääsuks tuleb kasutada token'it (vaata eelmises peatükis saadud API võti). Token asendab vanemat tüüpi liideste appkey ja andmebaasi nime korraga. Token tuleb POST meetodil muutujas TOKEN (sarnaselt siis html vormi postitamisele) saata antud URL'i pihta tulemuse saamiseks.

Ebakorrekse või valesti saadetud tokeni korral on vastus `<result type=„5“ desc=„Unauthorized“/>` ja kui ei kasuta muutujat TOKEN, siis on vastus `<err>token required</err>`

Üldised tehnilised nõuded

Sõltumata konkreetse liidestusprojekti spetsiifikast on teatud printsiibid, millega peab igal juhul arvestama.

- Andmete formaat on XML
- Andmete kodeering on UTF-8
- Transpordiprotokoll on HTTPS (avalikult tunnustatud sertifikaadiga)
- Liidesele ligipääsuks kasutatakse POST meetodit
- Andmeliikluse algatab alati väline osapool sõltumata sellest, kas andmeid päritakse või saadetakse, Directo liides on passiivne
- POST päringule vastab liides sünkroonse XML sõnumiga, mille töötlemine võib protsessi edukuse huvides oluline olla
- Andmete struktuur peab olema kirjeldatav XSD schemana, võimaluse korral eelistada schemat, kus väärtuste kandjaks on atribuudid, mitte elemendid
- Dokumendi numbrid Directos on *integer* tüüpi, mis tähendab, et suurim võimalik number on 2147483647
- Üks XML liidese postitus ei tohi olla suurem kui 10Mb

curl näited

get

```
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'
```



ts on siin näites filter, et pärida ainult muutunud andmeid

put

```
url --location
'https://login.directo.ee/xmlcore/cap_xml_direct/xmlcore_maht.asp' \
--header 'Content-Type: application/x-www-form-urlencoded' \
--data-urlencode 'token=.....' \
--data-urlencode 'put=1' \
--data-urlencode 'what=order' \
--data-urlencode 'xmldata=<?xml version="1.0" encoding="utf-8"?>
<orders>
  <order number="100034" date="2024-07-11T00:00:00" vatzone="0"
```

```
paymentterm="K" object="xx,WEB,XML,WEBSHOP" currency="EUR"
currate="1.000000000" customercode="TEST1" customername="Test klient OÜ"
salesman="XML" deliverymethod="KULLER" customerordernumber="#1"
email="xx.yyy@directo.ee" stock="PL" country="EE" phone="+372xxxxxx"
address1="Mõisa tee 4" address2="10101, Tallinn" address3="Eesti"
deliveryaddress1="Mõisa 4" deliveryaddress2="10101, Tallinn"
deliveryaddress3="Eesti" deliveryname="deliveryname3" factoring="001"
deliveryterm="CFR" language="eng" deliverymethodcomment="Testing field"
text1="Testing field 2" text2="Testing field 3">
  <rows>
    <row item="0001" price="37.5" quantity="1" sum="37.5" rn="1"
rr="1"/>
    <row item="0002" price="20.83" quantity="1" sum="20.83" rn="2"
rr="2"/>
  </rows>
  <attachments>
    <attachment>
      <data>VGVzdA==</data>
      <name>Test.txt</name>
    </attachment>
  </attachments>
</order>
</orders>'
```

Hind

Hind sõltub valitud komponentidest.

Kustutatud dokumentide väljund on hinna sees ja tasuta.

Lisa API võtme hind on 0 € kuus.

Kui mitmel API võtmel on samad komponendid, arvestatakse nende eest tasu ainult üks kord.

Näide:

- API võti A sisaldab väljundeid: klient ja artikkel
- API võti B sisaldab väljundeid: klient ja tellimus

→ Sellisel juhul on tasu ainult kolme unikaalse komponendi eest: klient, artikkel ja tellimus.

Testimine

XML Direct liidese testimise link https://login.directo.ee/xmlcore/cap_xml_direct/webupload.html

Üldine

- Väljundliidised näitavad kõiki kirjeid ning piiranguid saab teha päringu filtritega!

- Sisendliideste funktsionaalsust saab juhtida TRANSPORDI PARAMEETRITEGA - palun loe sisendkomponendi Transpordi parameetrite kohta täpsemalt. Vaikimisi tühja või '0' väärtusega transpordi parameetrit ei pea tegema.
- Osadel sisenditel toetab ka vaikeväärtuste seadistamist.

Komponendid

Valitavad komponendid

| Komponent (what) | Sisend (put=1) | Väljund (get=1) |
|---|----------------|-----------------|
| Pakkumised (quotation) | X | X |
| Tellimused (order) | X | X |
| Arved (invoice) | X | X |
| Laekumised (receipt) | X | X |
| Kliendid (customer) | X | X |
| Hankijad (supplier) | X | X |
| Kontaktid (contact) | X | X |
| Artiklid (item) | X | X |
| Artiklid:Laolimiidid (itemstocklimit) | | X |
| Artiklid:Pakendid (itempackage) | | X |
| Artiklid:Seotud artiklid (itemrelitem) | | X |
| Artiklid:Artikli KM koodid ja kontod (itemaccountvatcode) | | X |
| Artikliklassid (itemclass) | | X |
| Artikli ajalugu (itemhistoryrow) | | X |
| Hinnavalemi read (priceformularow) | | X |
| Laod (stock) | | X |
| Laoseis (stocklevel) | | X |
| Laoseis variantidega (stocklevel_variant_sn) | | X |
| Laoseisu vaba mõutavad kogused (allocation) | | X |
| Retseptid (recipe) | X | X |
| Lähetused (delivery) | X | X |
| Tagastused (stockreturn) | X | X |
| Liikumised (movement) | X | X |
| Laotellimused(stockorder) | X | X |
| Inventuurid (taking) | X | X |
| Ostutellimused (purchaseorder) | X | X |
| Sissetulekud (stockreceipt) | X | X |
| Ostuarved (purchase) | X | X |
| Tootmised (production) | X | X |
| Laekumised (receipt) | X | X |
| Kontod (account) | | X |
| Objektid (object) | X | X |
| Finantskanded (transaction) | X | X |
| Finantskanderead (transactionrow) | | X |
| Projektid (project) | X | X |

| Komponent (what) | Sisend (put=1) | Väljund (get=1) |
|---------------------------------|----------------|-----------------|
| Sündmused (event) | X | X |
| Ressursid (resource) | X | X |
| Kasutajad(user) | X | X |
| Puudumised (absence) | X | X |
| Asenduste logi (replacementlog) | | X |
| Kustutatud dokumendid (delete) | | X |

Sisendid

Pakkumised

what=quotation [Skeem](#)

Päis:

| XML väli | SQL väli | UI väli | Selgitus |
|------------------|---------------------|---------|----------|
| session_id | x | | |
| number | number | | |
| ext_unique_id | ext_unique_id | | |
| version | versioon | | |
| type | tyyp | | |
| validity | kehtivus | | |
| ourrep | meie_esindaja | | |
| ordercomment | tellimusekommentaar | | |
| customercode | klient_kood | | |
| customername | klient_nimi | | |
| date | aeg | | |
| address1 | aadress1 | | |
| address2 | aadress2 | | |
| address3 | aadress3 | | |
| deliveryaddress1 | lahetusaadress1 | | |
| deliveryaddress2 | lahetusaadress2 | | |
| deliveryaddress3 | lahetusaadress3 | | |
| paymentterm | tingimus | | |
| deliverymethod | lahetusviis | | |
| email | email | | |
| phone | telefon | | |
| fax | faks | | |
| stock | ladu | | |
| object | objekt | | |
| contact | esindaja | | |
| datafield1 | lisa_field1 | | |
| datafield2 | lisa_field2 | | |

| XML väli | SQL väli | UI väli | Selgitus |
|----------------------|------------------------|----------------|-----------------|
| datafield3 | lisa_field3 | | |
| datafield4 | lisa_field4 | | |
| datafield5 | lisa_field5 | | |
| datafield6 | lisa_field6 | | |
| datafield7 | lisa_field7 | | |
| text1 | tekst1 | | |
| text2 | tekst2 | | |
| deliveryname | klient_nimi_lahetusele | | |
| vatzone | maa | | |
| priceformula | hinna_kiri | | |
| salesman | myyja | | |
| currency | valuuta | | |
| currencyrate | kurssbv1 | | |
| language | keel | | |
| factoring | arvetasub | | |
| project | projekt | | |
| vatregno | kmregnumber | | |
| country | asumaa | | |
| status | staatus | | |
| confirm | kinnita | | |
| deliverydate | lahetusaeg | | |
| deliveryterm | lahetustingimus | | |
| manager | haldur | | |
| nextcontact | jargmine_kontakt_aeg | | |
| timeclose | sulgemise_aeg | | |
| competitor | konkurendid | | |
| closeingcomment | sulgemise_komm | | |
| statuschanged | staatus_muutus | | |
| budget | eelarve | | |
| prepaymentpercentage | e_pross | | |
| campaignnotallowed | keela_kampaania | | |
| contract | leping | | |
| validitycomment | kehtivuse_kommentaari | | |
| customer_type | klient_tyyp | | |
| customer_regno | klient_regnr | | |
| customer_class | klient_klass | | |
| customer_loyaltycard | klient_kliendikaart | | |

read:

| XML väli | SQL väli | UI väli | Selgitus |
|-----------------|-----------------|----------------|-----------------|
| item | artikkel | | |
| description | nimetus | | |
| price | yhikuhind | | |
| quantity | kogus | | |

| XML väli | SQL väli | UI väli | Selgitus |
|---------------|--------------|---------|----------|
| discount | ale | | |
| purchaseprice | ostuhind | | |
| account | konto | | |
| vatcode | kmkood | | |
| sn | sn | | |
| project | projekt | | |
| unit | yhik | | |
| comment | r_kommentaar | | |
| variant | variant | | |
| salesman | r_myyja | | |
| sum | summa | | |
| package | pakis | | |
| stock | r_ladu | | |
| height | korgus | | |
| width | laius | | |
| depth | sygavus | | |
| volume | maht | | |
| weight | kaal | | |
| deliverydate | lahetusaeg | | |
| date1 | r_aeg1 | | |
| date2 | r_aeg2 | | |
| periods | perioodid | | |
| text1 | tekst1 | | |
| text2 | tekst2 | | |
| text3 | tekst3 | | |
| text4 | tekst4 | | |
| constant1 | konstant1 | | |
| constant2 | konstant2 | | |
| constant3 | konstant3 | | |
| constant4 | konstant4 | | |
| rn | rn | | |
| rr | rv | | |

Arved

what=invoice [Skeem](#)

Päis:

| XML väli | SQL väli | UI väli | Selgitus |
|------------|----------|---------|---|
| session_id | x | | for internal use at Directo side, do not send this field! |

| XML väli | SQL väli | UI väli | Selgitus |
|---------------------|----------------------|--------------------------------|---|
| number | number | Arve | 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 | Kuupäev | ALT.FROM: current time |
| duedate | aeg2 | Tähtaeg | ALT.FROM: paymentterm |
| transactiondate | kande_aeg | | |
| vatzone | maa | KM maa | local = 0, EU = 1, export = 2 , ALT.FROM: customer > 0 |
| paymentterm | tingimus | T-ting | ALT.FROM: customer , kui on kasutusel laekumiste loomine, läheb see kood ka laekumise makseviisiks |
| ordernumber | tellimusenr | Tell. nr. | |
| latepaymentpenalty | viivis | Viivis | ALT.FROM: customer |
| object | objekt | Objekt | ALT.FROM: tr.params |
| project | projekt | Projekt | |
| account | konto | Võla konto | |
| country | asumaa | Sihtriik | ALT.FROM: customer |
| currency | valuuta | Valuuta | ALT.FROM: glob.settings > 'EUR' |
| currencyrate | kurssbv1 | Kurss | ALT.FROM: ECB current published rates |
| customercode | klient_kood | Klient | mandatory by default! |
| customername | klient_nimi | | ALT.FROM: customer |
| orderer_code | klient_tellija | | |
| contact | esindaja | Nende esindaja | ALT.FROM: customer |
| comment | kommentaar | Kommentaar | |
| intcomment | sisekommentaar | Sisekommentaar | |
| salesman | myyja | Müügiagent | ALT.FROM: tr.params > 'XML' |
| language | keel | Keel | ALT.FROM: customer |
| customerordernumber | klienditellimus | Kliendi tell. nr. | |
| email | email | meil | ALT.FROM: customer |
| address1 | aadress1 | aadress, ! vastavalt seadetele | ALT.FROM: customer |
| address2 | aadress2 | aadress, ! vastavalt seadetele | ALT.FROM: customer |
| address3 | aadress3 | aadress, ! vastavalt seadetele | ALT.FROM: customer |
| phone | telefon | Telefon | ALT.FROM: customer |
| fax | faks | Faks | |
| deliveryname | klientnimi_lahetusel | Nimi lähetusel | |

| XML väli | SQL väli | UI väli | Selgitus |
|-----------------------|----------------------|--|--|
| deliveryaddress1 | lahetusaadress1 | lähetusaadress, ! vastavalt seadetele | |
| deliveryaddress2 | lahetusaadress2 | lähetusaadress, ! vastavalt seadetele | |
| deliveryaddress3 | lahetusaadress3 | lähetusaadress, ! vastavalt seadetele | |
| priceformula | hinnakiri | Hinnavalem | |
| vatregno | kmregnumber | KM Reg. nr | ALT.FROM: customer |
| datafield1 | lisa_field1 | Lisaväli 1, ! või vastavalt seadetele | |
| datafield2 | lisa_field2 | Lisaväli 2, ! või vastavalt seadetele | |
| datafield3 | lisa_field3 | Lisaväli 3, ! või vastavalt seadetele | |
| datafield4 | lisa_field4 | Lisaväli 4, ! või vastavalt seadetele | |
| datafield5 | lisa_field5 | Lisaväli 5, ! või vastavalt seadetele | |
| datafield6 | lisa_field6 | Lisaväli 6, ! või vastavalt seadetele | |
| datafield7 | lisa_field7 | Lisaväli 7, ! või vastavalt seadetele | |
| quotation | pakkumine | Pakkumine | |
| contractnumber | leping | Leping | |
| prepayment | ettemaksu_arve | | 1 ettemaksu arve, 0 tavaline arve |
| type | tyyp | | |
| status | staatatus | Staatatus | |
| 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 | Ladu | ALT.FROM: tr.params |
| creditedinvoice | kredarve | Kred. arve | |
| asset | inventar | Inventar | |
| dealttype | tehinguliik | Tehinguliik | |
| delivery | lahetusaeg | Lähetusaeg | |
| deliveryterm | lahetustingimus | Läh. ting. | ALT.FROM: customer |
| deliverytermcomment | lahetustingimus_komm | Läh. ting. | |
| deliverymethod | lahetusviis | Lähetusviis | |
| deliverymethodcomment | lahetusviis_komm | Lähetusviis | |
| manager | haldur | Vastutaja | |

| XML väli | SQL väli | UI väli | Selgitus |
|----------------------|---------------------|---------------------------------|--|
| changestock | muudaladu | | stock changing invoice = 1 |
| customer_type | klient_tyyp | Kliendikaardil: Tüüp | company = 0, private citizen = 1, government institution = 2 |
| customer_regno | klient_regnr | Kliendikaardil: Reg nr | |
| customer_class | klient_klass | Kliendikaardil: Klass | |
| customer_loyaltycard | klient_kliendikaart | Kliendikaardil: Kliendikaart | |

read:

| XML väli | SQL väli | UI väli | Selgitus |
|---------------|---------------|--------------|---|
| item | artikkel | Artikkel | |
| description | seletus | Sisu | ALT.FROM: item |
| variant | variant | Variant | |
| price | hind | Ühikuhind | unit price without vat |
| discount | pross | % | |
| quantity | kogus | Kogus | |
| unit | yhik | Ühik | ALT.FROM: item |
| sum | summa | Summa | |
| account | konto | Konto | ALT.FROM: item > item class (depending on vatregion) |
| object | objektid | Objekt | ALT.FROM: item > item class |
| project | projekt | Projekt | ALT.FROM: item > item class |
| purchaseprice | kulu | Ostuhind | ALT.FROM: item |
| vatcode | kmk | KMk | ALT.FROM: customer > item > item class (depending on vatregion) |
| comment | r_kommentaar | Kommentaar | |
| date1 | r_aeg1 | | |
| date2 | r_aeg2 | | |
| salesman | r_myyja | Müüja | |
| order | tellimus | | |
| orderrow | trn | | |
| stock | r_ladu | Ladu | |
| sn | seerianumber | Seerianr | |
| deliverytime | lahetusaeg | Lähetusaeg | |
| customer | r_klient | Tellija | |
| customername | r_klient_nimi | Tellija nimi | |
| text1 | tekst1 | Tekst1 | |
| text2 | tekst2 | Tekst2 | |
| text3 | tekst3 | Tekst3 | |
| text4 | tekst4 | Tekst4 | |
| constant1 | konstant1 | Konstant1 | |
| constant2 | konstant2 | Konstant2 | |
| constant3 | konstant3 | Konstant3 | |
| constant4 | konstant4 | Konstant4 | |

| XML väli | SQL väli | UI väli | Selgitus |
|----------|----------|---------|---|
| shelf | riiul | Riiul | |
| rn | rn | Nr | row order number in document 1 - N , ALT.FROM: random |
| rr | rv | Rv | row reference for grouping, otherwise equals to rn , ALT.FROM: equals to rn |

Arvete transpordi parameetrid

| TÜÜP | KOOD | PARAMEETER 1 | PARAMEETER 2 | SELGITUS |
|------|--------------------------|--------------|--------------|---|
| XML | xd_changestock | 0 | INVOICE | Ladumuutev arve (Param.1 =1 on muuda ladu) |
| XML | xd_autocustomer_autocode | 0 | INVOICE | Seotud kliendi loomisel luuakse kood liideses, unikaalne email on vajalik ja kliendi koodi süsteemiseadistused on vajalikud |
| XML | xd_update | 1 | INVOICE | Luba dokumendi update, kui puuduvad seotud dokumendid |
| XML | xd_customer_update | 0 | INVOICE | Kliendi andmete osaline update, (nimi, email, telefon) või vastavalt spekile |
| XML | xd_object | TEST_OBJEKT | INVOICE | Vaikimisi objekt, kui ei saadeta |
| XML | xd_salesman | XML | INVOICE | Vaikimisi müüja |
| XML | xd_stock | PL | INVOICE | Vaikimisi ladu, kui ei saadeta |
| XML | xd_confirm | 0 | INVOICE | Automaatne dokumendi kinnitamine, seda saab ka juhtida XML väljaga „confirm“ |
| XML | xd_posinvoice | 0 | INVOICE | 1 = kassarve |
| XML | xd_autocustomer | 0 | INVOICE | Automaatne seotud kliendi loomine, kui kliendi koodi ei eksisteeri |

Arve vaikimisi väärtuste seadistamiseks loe täpsemalt [siit](#)

Tellimused

what=order [Skeem](#)

Päis:

| XML väli | SQL väli | UI väli | Selgitus |
|------------|----------|---------|---|
| session_id | x | | for internal use at Directo side, do not send this field! |

| XML väli | SQL väli | UI väli | Selgitus |
|---------------------|------------------|---------------------------------------|---|
| number | number | Tellimus | 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 | Klient | mandatory by default! |
| customername | klient_nimi | | ALT.FROM: customer |
| date | aeg | Kuupäev | ALT.FROM: current time |
| address1 | aadress1 | aadress, ! vastavalt seadetele | ALT.FROM: customer |
| address2 | aadress2 | aadress, ! vastavalt seadetele | ALT.FROM: customer |
| address3 | aadress3 | aadress, ! vastavalt seadetele | ALT.FROM: customer |
| deliveryaddress1 | lahetusaadress1 | lahetusaadress, ! vastavalt seadetele | |
| deliveryaddress2 | lahetusaadress2 | lahetusaadress, ! vastavalt seadetele | |
| deliveryaddress3 | lahetusaadress3 | lahetusaadress, ! vastavalt seadetele | |
| paymentterm | tingimus | T-ting | ALT.FROM: customer , kui on kasutusel laekumiste loomine, läheb see kood ka laekumise makseviisiks |
| deliverymethod | lahetusviis | Lahetusviis | ALT.FROM: customer |
| customerordernumber | kliendi_tellimus | Kliendi tell. nr. | |
| email | email | meil | ALT.FROM: customer |
| phone | telefon | Telefon | ALT.FROM: customer |
| comment | kommentaar | Kommentaar | |
| stock | ladu | Ladu | ALT.FROM: tr.params |
| object | objekt | Objekt | ALT.FROM: tr.params |
| contact | esindaja | Nende esindaja | ALT.FROM: customer |
| datafield1 | lisa_field1 | Lisaväli 1, ! või vastavalt seadetele | |
| datafield2 | lisa_field2 | Lisaväli 2, ! või vastavalt seadetele | |
| datafield3 | lisa_field3 | Lisaväli 3, ! või vastavalt seadetele | |
| datafield4 | lisa_field4 | Lisaväli 4, ! või vastavalt seadetele | |
| datafield5 | lisa_field5 | Lisaväli 5, ! või vastavalt seadetele | |
| datafield6 | lisa_field6 | Lisaväli 6, ! või vastavalt seadetele | |
| datafield7 | lisa_field7 | Lisaväli 7, ! või vastavalt seadetele | |

| XML väli | SQL väli | UI väli | Selgitus |
|----------------------|-----------------------|------------------------------|---|
| 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 | Maa | local = 0, EU = 1, export = 2 , ALT.FROM: customer > 0 |
| priceformula | hinnakiri | Hinnavalem | |
| currency | valuuta | Valuuta | ALT.FROM: glob.settings > 'EUR' |
| currencyrate | kurssbv1 | Kurss | ALT.FROM: ECB current published rates |
| vatregno | kmregnumber | KM Reg. nr | ALT.FROM: customer |
| country | asumaa | Sihtriik | ALT.FROM: customer |
| status | staatus | Staatus | |
| delivery | lahetusaeg | Lähetusaeg | |
| customer_type | klient_tyyp | Kliendikaardil: Tüüp | company = 0, private citizen = 1, government institution = 2 |
| customer_regno | klient_regnr | Kliendikaardil: Reg nr | |
| customer_loyaltycard | klient_kliendikaart | Kliendikaardil: Kliendikaart | |
| salesman | myyja | Müügiagent | ALT.FROM: tr.params > 'XML' |
| project | projekt | Projekt | |
| deliveryname | klient_nimi_lahetusel | Nimi lähetusel | |
| factoring | arvetasub | Arve tasub | ALT.FROM: customer |
| deliveryterm | lahetustingimus | Läh. ting. | |
| language | keel | Keel | ALT.FROM: customer |

Read:

| XML väli | SQL väli | UI väli | Selgitus |
|--------------|--------------|------------|---|
| item | artikkel | Artikkel | |
| description | nimetus | Sisu | ALT.FROM: item |
| price | yhikuhind | Ühikuhind | unit price without vat |
| quantity | kogus | Kogus | |
| discount | pross | % | |
| account | konto | Konto | ALT.FROM: item > item class (depending on vatregion) |
| vatcode | kmkood | KMk | ALT.FROM: customer > item > item class (depending on vatregion) |
| unit | yhik | Ühik | ALT.FROM: item |
| comment | r_kommentaar | Kommentaar | |
| variant | variant | Variant | |
| deliverytime | lahetusaeg | Lähetusaeg | |
| stock | r_ladu | Ladu | |

| XML väli | SQL väli | UI väli | Selgitus |
|----------|----------|---------|---|
| project | projekt | Projekt | ALT.FROM: item > item class |
| ext_sum | ext_sum | | |
| ext_id | ext_id | | |
| rn | rn | Nr | row order number in document 1 - N , ALT.FROM: random |
| rr | rv | Rv | row reference for grouping, otherwise equals to rn , ALT.FROM: equals to rn |

Tellimuse transpordi parameetrid

| TÜÜP | KOOD | PARAMEETER 1 | PARAMEETER 2 | SELGITUS |
|------|--------------------------|--------------|--------------|---|
| XML | xd_stock | PL | ORDER | Vaikimisi ladu, kui ei saadeta |
| XML | xd_object | VEEB | ORDER | Vaikimisi objekt, kui ei saadeta |
| XML | xd_autocustomer | 1 | ORDER | Automaatne seotud kliendi loomine, kui kliendi koodi ei eksisteeri |
| XML | xd_confirm | 0 | ORDER | Automaatne dokumendi kinnitamine, seda saab ka juhtida XML väljaga „confirm“ |
| XML | xd_update | 1 | ORDER | Luba dokumendi update, kui puuduvad seotud dokumendid |
| XML | xd_autocustomer_autocode | 0 | ORDER | Seotud kliendi loomisel luuakse kood liideses, unikaalne email on vajalik ja kliendi koodi süsteemiseadistused on vajalikud |
| XML | xd_customer_update | 0 | ORDER | Kliendi andmete osaline update, (nimi, email, telefon) või vastavalt spekile |
| XML | xd_salesman | XML | ORDER | Vaikimisi müüja |
| XML | xd_confirmpayment | 1 | ORDER | Automaatne laekumise kinnitamine |
| XML | xd_paymentvatcode | 11 | ORDER | Loodava seotud laekumise rea km kood, laekumine tekib välja „paymentamount“ saatmisel, mis peab skeemis olema olema |
| XML | xd_order_assemble | 1 | ORDER | Käivitab tellimuse komplekteerija retseptidega artiklitele |
| XML | xd_updateconfirmed | 1 | ORDER | Lubab kinnitatud tellimuse muutmist |

Tellimuse vaikimisi väärtuste seadistamiseks loe täpsemalt [siit](#)

Laekumised

what=receipt [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 | Laekumine | 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 | Aeg | ALT.FROM: current time |
| description | seletus | Kommentaar | |
| paymentmode | tasumisviis | Tas. viis | |
| user | kasutaja | Kasutaja | |
| reference | viide | Viide | |
| object | objekt | Objekt | ALT.FROM: tr.params |
| project | projekt | Projekt | ALT.FROM: tr.params |
| location | arvuti | Koht | |
| confirm | kinnita | | confirm document = 1 |

read:

| XML väli | SQL väli | UI väli | Selgitus |
|--------------------|----------------|---------------|---|
| invoice | arvenumber | Arve nr | |
| aeg | raeg | Aeg | ALT.FROM: receipt header |
| customer | klient_kood | Klient | ALT.FROM: invoice > order > customer by regno field |
| order | ettemaks | Tellimuse nr | |
| customername | klient_nimi | Tekst | ALT.FROM: invoice > order > customer by regno field |
| payment | tasuti | Tasuti | ALT.FROM: in case of base currency = received field |
| bankcurrency | valuuta_p | Val saadud | ALT.FROM: glob.settings > 'EUR' |
| received | summa_p | Summa S | |
| currencyrate | kurss_p | Kurss S | ALT.FROM: ECB current published rates |
| paymentfee | teenustasu | T-Tasu | |
| vatcode | kmk | KMk | ALT.FROM: tr.params |
| paymentfeecurrency | valuuta_teenus | T-Tasu val. | |
| description | selgitus | Selgitus | |
| regno | reg | Reg number/IK | ALT.FROM: customer |
| bankaccount | arveldusarve | Arveldusarve | |
| objects | objektid | Objekt | ALT.FROM: invoice > order |
| account | r_konto | Konto | |
| fine | viivis | Viivis | |
| rn | rn | Nr | row order number in document 1 - N , ALT.FROM: random |

Objektid

what=receipt [Skeem](#)

Päis:

| XML väli | SQL väli | UI väli | Selgitus |
|-----------------|------------|---------|---|
| session_id | x | | for internal use at Directo side, do not send this field! |
| code | kood | | |
| name | nimi | | |
| type | tyyp | | |
| closed | suletud | | |
| master | master | | |
| info | lisainfo | | |
| purchasevatcode | ostu_kmk | | |
| address | aadress | | |
| logo | logo | | |
| sorted | so | | |
| hierarchy | hierarhia | | |
| hierarchies | hierarhiad | | |
| level | tase | | |
| date1 | aeg1 | | |
| date2 | aeg2 | | |

Lisaväljad:

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

Kanded

what=transaction [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; 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 | Aeg | |
| reference | viide | Viide | |
| comment | seletus | Seletus | |
| type | tyyp | Tüüp | ALT.: FIN |

read:

| XML väli | SQL väli | UI väli | Selgitus |
|----------|----------|---------|----------|
| account | konto | Konto | |

| XML väli | SQL väli | UI väli | Selgitus |
|----------------|----------------|--------------|---|
| object | objekt | Objektid | |
| description | sisu | Sisu | ALT.FROM: account |
| vatcode | kmkood | KM kood | |
| quantity | kogus | Kogus | |
| debitamount | baas1deebet | Deebet | |
| creditamount | baas1kreedit | Kreedit | |
| currencydebit | valuutadeebet | Val. deebet | |
| currencycredit | valuutakreedit | Val. kreedit | |
| currencyrate | b1kursile | Kurss | ALT.FROM: ECB current published rates |
| currency | valuuta | Valuuta | ALT.FROM: glob.settings > 'EUR' |
| date | r_aeg | Aeg | |
| supplier | hankija | Hankija | |
| customer | klient | Klient | |
| project | projekt | Projekt | |
| rn | rn | Nr | 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 | |

| XML väli | SQL väli | UI väli | Selgitus |
|---------------------|------------------|----------------|--|
| 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 | |
| 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 | hinnavalem | 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 | | |

| XML väli | SQL väli | UI väli | Selgitus |
|--------------------|-------------------|---------|----------|
| 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 | | |
| 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 | |

Kontaktid

- Postitamisel ja muutmisel on alati nõutud code!

what=supplier [Skeem](#)

kontaktid:

| XML väli | SQL väli | UI väli | Selgitus |
|--------------|----------|---------|----------|
| session_id | x | | |
| code | kood | | |
| customercode | kl_kood | | |
| customername | kl_nimi | | |
| suppliercode | h_kood | | |
| suppliername | h_nimi | | |
| name | nimi | | |

| XML väli | SQL väli | UI väli | Selgitus |
|----------------------|----------------|---------|----------|
| address1 | aadress1 | | |
| address2 | aadress2 | | |
| address3 | aadress3 | | |
| phone | telefon | | |
| fax | faks | | |
| email | email | | |
| comment | kommentaar | | |
| comment2 | komment2 | | |
| title | tiitel | | |
| department | osakond | | |
| occupation | amet | | |
| mobile | mobiil | | |
| county | maakond | | |
| authorizationtime | volitus_aeg | | |
| authorizationlimit | volitus_limiit | | |
| officephone | telefon_too | | |
| sex | sugu | | |
| baseforauthorization | volitus_alus | | |
| object | objekt | | |
| skype | skype | | |
| firstname | eesnimi | | |
| lastname | perenimi | | |
| birthday | synnipaev | | |
| pid | isikukood | | |
| closed | suletud | | |

kontaktid 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! |

| XML väli | SQL väli | UI väli | Selgitus |
|---------------|--------------------|-----------------------------|---|
| 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 | |
| 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 |

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

Artiklid - hankija artiklid:

| XML väli | SQL väli | UI väli | Selgitus |
|-----------------|------------------|---------------------------|--|
| supplier | hankija | Hankija | |
| supplieritem | hankija_artikkel | Hank. artikkel | |
| name | nimi | Nimi | |
| price | hind | Ostuhind | |
| normarrivaltime | 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 |

Retseptid

what=recipe [Skeem](#)

Päis

| XML väli | SQL väli | UI väli | Selgitus |
|------------|----------|---------|---|
| session_id | x | | for internal use at Directo side, do not send this field! |
| code | kood | | |
| name | nimetus | | |
| date | aeg | | |

Read

| XML väli | SQL väli | UI väli | Selgitus |
|----------|--------------|---------|----------|
| item | artikkel | | |
| name | nimetus | | |
| qty | kogus | | |
| content | sisu | | |
| unit | yhik | | |
| option | valik | | |
| value | value | | |
| comment | r_kommentaar | | |
| rn | rn | | |

Lähetused

what=delivery [Skeem](#)

Päis

| XML väli | SQL väli | UI väli | Selgitus |
|------------|-------------|---------|----------|
| session_id | x | | |
| number | number | | |
| status | staatus | | |
| datafield1 | lisa_field1 | | |
| datafield2 | lisa_field2 | | |
| datafield3 | lisa_field3 | | |
| datafield4 | lisa_field4 | | |
| datafield5 | lisa_field5 | | |
| datafield6 | lisa_field6 | | |
| datafield7 | lisa_field7 | | |
| text1 | tekst1 | | |
| text2 | tekst2 | | |
| confirm | kinnita | | |

read

| XML väli | SQL väli | UI väli | Selgitus |
|--------------|--------------|---------|----------|
| item | artikkel | | |
| serialnumber | seerianumber | | |
| variant | variant | | |
| qty | kogus | | |
| text1 | tekst1 | | |
| text2 | tekst2 | | |
| shelf | riiul | | |
| stock | r_ladu | | |
| rn | reanr | | |

Tagastused

what=stockreturn [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 | | 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 |
| order | number_tellimus | Tellimuse nr | Mandatory |
| date | aeg | Tagastuse aeg | Mandatory |
| customercode | klient_kood | Kliendi kood | If missing customer code is taken from Sales order |
| comment | tekst | Tekst | |
| status | staatus | Staatus | |

| XML väli | SQL väli | UI väli | Selgitus |
|-----------------|-----------------|-------------|-------------------------|
| object | objekt | Objekt | |
| stock | ladu | Ladu | |
| country | asumaa | Sihtriik | |
| dealtpe | tehinguliik | Tehinguliik | |
| project | projekt | Projekt | |
| customtxtfield1 | customtxtfield1 | | 255; customizable field |
| customtxtfield2 | customtxtfield2 | | 255; customizable field |
| confirm | kinnita | | confirm document = 1 |

read:

| XML väli | SQL väli | UI väli | Selgitus |
|--------------------|--------------------|----------|-------------------------|
| itemcode | artikkel | Artikkel | Mandatory |
| sn | seerianumber | SN/Mudel | |
| quantity | kogus | Kogus | Mandatory |
| shelf | riiul | Riiul | |
| object | objektid | Objekt | |
| stock | r_ladu | Ladu | |
| project | r_projekt | Projekt | |
| customrowtxtfield1 | customrowtxtfield1 | | 255; customizable field |
| customrowtxtfield2 | customrowtxtfield2 | | 255; customizable field |
| customrowdecfield1 | customrowdecfield1 | | customizable field |
| customrowdecfield2 | customrowdecfield2 | | customizable field |
| rn | reanr | NR | Mandatory |

Inventuurid

what=taking [Skeem](#)

Päis

| XML väli | SQL väli | UI väli | Selgitus |
|-------------|-----------|---------|----------|
| session_id | x | | |
| number | number | | |
| date | aeg | | |
| startdate | aeg_algus | | |
| chain | kett | | |
| stock | ladu | | |
| project | projekt | | |
| shelf | riiul | | |
| object | objekt | | |
| account | konto | | |
| description | seletus | | |

read

| XML väli | SQL väli | UI väli | Selgitus |
|----------|----------|---------|----------|
| itemcode | artikkel | | |
| sn | sn | | |
| variant | variant | | |
| quantity | kogus | | |
| delete | kustuta | | |
| rn | rn | | |

Liikumised

what=movement [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 | Aeg | |
| datafield1 | lisa_field1 | Lisaväli 1 | |
| datafield2 | lisa_field2 | Lisaväli 2 | |
| datafield3 | lisa_field3 | Lisaväli 3 | |
| datafield4 | lisa_field4 | Lisaväli 4 | |
| datafield5 | lisa_field5 | Lisaväli 5 | |
| datafield6 | lisa_field6 | Lisaväli 6 | |
| datafield7 | lisa_field7 | Lisaväli 7 | |
| status | staatus | Staatus | |
| fromstock | laost | Laost | |
| tostock | lattu | Lattu | |
| confirm | kinnita | | „1“ - confirm document |
| project | projekt | Projekt | |
| toproject | projekti | Projekti | |
| customer | kl_kood | Klient | |
| contact | kl_kontakt | Kontaktisik | |
| duedate | kl_aeg | Tähtaeg | |
| deliveryterm | lahetustingimus | Läh. ting. | |
| deliverymethod | lahetusviis | Lähetusviis | |
| order | tellimus | Tell. nr. | |
| productionorder | tootmistellimus | Tootmistellimus | |
| comment | tekst | Tekst | |
| type | liik_tyyp | Tüüp | |
| user | kasutaja | | |

| XML väli | SQL väli | UI väli | Selgitus |
|----------------|-------------|-------------|----------|
| parentmovement | liikumine | | |
| stockorder | laotellimus | Laotellimus | |
| text1 | tekst1 | | |
| text2 | tekst2 | | |

read

| XML väli | SQL väli | UI väli | Selgitus |
|--------------|--------------|------------|------------------------------------|
| item | artikkel | Artikkel | |
| qty | kogus | Soovitud | |
| receivedqty | kogus_saadud | Saadud | |
| serialnumber | seerianumber | SN/Mudel | |
| variant | variant | | |
| fromshelf | r_riulist | Riulist | |
| toshelf | r_riulisse | Riulisse | |
| comment | kommentaar | Kommentaar | |
| project | r_projekt | Projektist | |
| toproject | r_projekti | Projekti | |
| rn | rn | Nr | row order number in document 1 - N |

Laotellimused

what=stockorder [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 | Ostutellimus | 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 |
| text | tekst | | |
| user | kasutaja | | |
| fromstock | laost | | |
| tostock | lattu | | |
| date | aeg | | |
| project | projekt | | |
| toproject | projekti | | |
| fromobject | objektist | | |
| toobject | objekti | | |
| fromaccount | kontolt | | |
| toaccount | kontole | | |
| account | konto | | |
| status | staatus | | |
| lisa_field1 | lisa_field1 | | |

| XML väli | SQL väli | UI väli | Selgitus |
|--------------|--------------|---------|----------|
| lisa_field2 | lisa_field2 | | |
| lisa_field3 | lisa_field3 | | |
| lisa_field4 | lisa_field4 | | |
| lisa_field5 | lisa_field5 | | |
| lisa_field6 | lisa_field6 | | |
| lisa_field7 | lisa_field7 | | |
| deliverymode | lahetusviis | | |
| type | tyyp | | |
| order | tellimus | | |
| reqduedate | soov_tahtaeg | | |

read

| XML väli | SQL väli | UI väli | Selgitus |
|-----------|--------------|---------|----------|
| item | artikkel | | |
| qty | kogus | | |
| name | nimetus | | |
| sn | seerianumber | | |
| comment | kommentaar | | |
| variant | variant | | |
| fromstock | r_laost | | |
| constant1 | konstant1 | | |
| constant2 | konstant2 | | |
| constant3 | konstant3 | | |
| constant4 | konstant4 | | |
| text1 | tekst1 | | |
| text2 | tekst2 | | |
| text3 | tekst3 | | |
| text4 | tekst4 | | |
| rn | rn | | |
| rr | rv | | |

Ostutellimused

what=purchaseorder [Skeem](#)

Päis

| XML väli | SQL väli | UI väli | Selgitus |
|---------------|---------------|---------|----------|
| session_id | x | | |
| ext_unique_id | ext_unique_id | | |
| number | number | | |
| supplier | hankija_kood | | |
| payterm | tingimus | | |
| suppliername | hankija_nimi | | |

| XML väli | SQL väli | UI väli | Selgitus |
|-----------------|-----------------|----------------|-----------------|
| country | asumaa | | |
| date | aeg | | |
| comment | kommentaar | | |
| intcomment | sisekommentaar | | |
| order | tellimus | | |
| receivedate | lahetusaeg | | |
| deliveryterm | lahetustingimus | | |
| stock | ladu | | |
| vatregion | maa | | |
| language | keel | | |
| supplier_regno | hankija_regnr1 | | |
| supplier_class | hankija_klass | | |
| user | kasutaja | | |
| type | tyyp | | |
| status | staatus | | |
| datafield1 | lisa_field1 | | |
| datafield2 | lisa_field2 | | |
| datafield3 | lisa_field3 | | |
| datafield4 | lisa_field4 | | |
| datafield5 | lisa_field5 | | |
| datafield6 | lisa_field6 | | |
| datafield7 | lisa_field7 | | |
| address1 | aadress1 | | |
| address2 | aadress2 | | |
| address3 | aadress3 | | |
| stockaddress1 | laduaadress1 | | |
| stockaddress2 | laduaadress2 | | |
| stockaddress3 | laduaadress3 | | |
| phone | telefon | | |
| tolerance | viga | | |
| delivermode | lahetusviis | | |
| origin | piirkonnakood | | |
| dealttype | tehinguliik | | |
| bankaccount | pangakonto | | |
| reference | viide | | |
| confirm | kinnita | | |

read

| XML väli | SQL väli | UI väli | Selgitus |
|-----------------|-----------------|----------------|-----------------|
| code | kood | | |
| unit | yhik | | |
| price | yhikuhind | | |
| qty | kogus | | |
| name | nimi | | |

| XML väli | SQL väli | UI väli | Selgitus |
|---------------|------------------|---------|----------|
| receivedate | saabumisaeg | | |
| comment | r_kommentaar | | |
| intcomment | r_sisekommentaar | | |
| constant1 | konstant1 | | |
| constant2 | konstant2 | | |
| constant3 | konstant3 | | |
| constant4 | konstant4 | | |
| tekst1 | tekst1 | | |
| tekst2 | tekst2 | | |
| tekst3 | tekst3 | | |
| tekst4 | tekst4 | | |
| project | r_projekt | | |
| stock | r_ladu | | |
| purchaseprice | soetushind | | |
| object | r_objekt | | |
| variant | variant | | |
| received1 | saadud1 | | |
| received2 | saadud2 | | |
| origin | piirkonnakood | | |
| rr | rv | | |
| rn | rn | | |

Tellimuse transpordi parameetrid

| TÜÜP | KOOD | PARAMEETER 1 | PARAMEETER 2 | SELGITUS |
|------|--------------------|--------------|---------------|---|
| XML | xd_updateconfirmed | 1 | PURCHASEORDER | Lubab kinnitatud ostutellimuse muutmist |

Sissetulekud

what=stockreceipt [Skeem](#)

Päis

| XML väli | SQL väli | UI väli | Selgitus |
|---------------|---------------------|---------|----------|
| session_id | x | | |
| number | number | | |
| date | aeg | | |
| supplier | hankija_kood | | |
| suppliername | hankija_nimi | | |
| purchaseorder | number_ostutellimus | | |
| stock | ladu | | |
| text | tekst | | |
| currency | valuuta | | |
| currencyrate | kurssbv1 | | |

| XML väli | SQL väli | UI väli | Selgitus |
|---------------------|------------------|----------------|-----------------|
| creditaccount | konto | | |
| object | objekt | | |
| project | projekt | | |
| supplierinvoice | hankija_arve | | |
| country | asumaa | | |
| dealttype | tehinguliik | | |
| deliverymode | lahetusviis | | |
| deliveryterm | lahetustingimus | | |
| paymentterm | tingimus | | |
| status | staatus | | |
| type | tyyp | | |
| purchaseinvoicetime | aeg_oarve | | |
| datafield1 | lisa_field1 | | |
| datafield2 | lisa_field2 | | |
| datafield3 | lisa_field3 | | |
| datafield4 | lisa_field4 | | |
| datafield5 | lisa_field5 | | |
| datafield6 | lisa_field6 | | |
| datafield7 | lisa_field7 | | |
| user | kasutaja | | |
| origin | piirkonnakood | | |
| intcomment | sisekommentaar | | |
| supplier_class | hankija_klass | | |
| supplier_vatcountry | hankija_maa_tasu | | |
| supplier_regno | hankija_regnr1 | | |
| supplier_vatregno | hankija_kmregnr | | |
| supplier_email | hankija_email | | |
| confirm | kinnita | | |

read

| XML väli | SQL väli | UI väli | Selgitus |
|-----------------|-----------------|----------------|-----------------|
| item | artikkel | | |
| qty | kogus | | |
| content | sisu | | |
| price | yhikuhind | | |
| purchaseprice | soetushind | | |
| serialnumber | seerianumber | | |
| stock | ladu | | |
| bestbefore | parimenne | | |
| origin | piirkonnakood | | |
| project | r_projekt | | |
| object | r_objekt | | |
| variant | variant | | |
| comment | r_kommentaar | | |

| XML väli | SQL väli | UI väli | Selgitus |
|---------------|------------------|---------|----------|
| intcomment | r_sisekommentaar | | |
| purchaseorder | ostutellimus | | |
| shelf | riiul | | |
| orn | trn | | |
| rn | rn | | |

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! |
| ext_unique_id | ext_unique_id | ! vastavalt seadetele | if Directo number/code is not used, this is alternative ID; It must be unique for each document and remain same if more than one transaction of the same document is necessary |
| 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 | |

| XML väli | SQL väli | UI väli | Selgitus |
|---------------------|------------------|----------------|---|
| 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 | staatus | Staatus | |
| 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 | | |
| 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 | |

| XML väli | SQL väli | UI väli | Selgitus |
|------------|------------------|----------------|----------|
| 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 |
|-----------------|----------------------|---------|--|
| element: data | attachment | | Use this field when the document attachment is stored internally in Directo. Embedded attachment that will be saved to Directo server, size is unlimited, but whole XML size limit is 19 Mb |
| element: name | attachment_name | | Use this field when the document attachment is stored internally in Directo. This field MUST be used exclusively and MUST NOT be combined with SharePoint, Google Drive or Public URL attachment fields. |
| attributes: | | | |
| name | attachment_name | | 200; Use this field when the document attachment is stored in Microsoft SharePoint, Google Drive or document attachment is publicly accessible via a direct URL |
| description | attachment_kirjeldus | | Use this field when the document attachment is stored in Microsoft SharePoint, Google Drive or document attachment is publicly accessible via a direct URL |
| code | kood | | Only for updating existing attachments, do not send this field for new attachments |
| sharepoint_link | cloud_preview_query | | external Sharepoint attachment link. Use this field when the document attachment is stored in Microsoft SharePoint. Do NOT use this field if the attachment is stored in Directo, Google Drive or published via a public URL. |
| gdrive_link | cloud_gdrive | | external Google Drive attachment link. Use this field when the document attachment is stored in Google Drive. This field is mutually exclusive with Directo, SharePoint and Public URL attachment references and MUST NOT be used together with them. |

| XML väli | SQL väli | UI väli | Selgitus |
|----------|----------------|---------|--|
| ext_link | cloud_ext_link | | external attachment link, must be full external link starting with <code>http://</code> Use this field when the document attachment is publicly accessible via a direct URL without authentication. This field MUST NOT be used together with Directo, SharePoint or Google Drive attachment references. |

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 | xd_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“ |

Tootmised

what=production [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 |
| stock | ladu | Ladu | |
| date | aeg | Aeg | |
| productiondate | aeg2 | Toot. aeg | |
| orderno | tellimuse_nr | | |
| project | projekt | | |
| customer | klient_kood | | |

| XML väli | SQL väli | UI väli | Selgitus |
|-------------------|-----------------|---------|-------------------------|
| customername | klient_nimi | | |
| initialproduction | algne_tootmine | | |
| name | nimetus | | |
| recipe | juhend | | |
| worker | tegija | | |
| quantity | kogus | | |
| initialquantity | alg_kogus | | |
| delivery | lahetusaeg | | |
| comment | kommentaar | | |
| stockorder | laotellimuse_nr | | |
| quotation | pakkumise_nr | | |
| datafield1 | lisa_field1 | | |
| datafield2 | lisa_field2 | | |
| datafield3 | lisa_field3 | | |
| datafield4 | lisa_field4 | | |
| datafield5 | lisa_field5 | | |
| datafield6 | lisa_field6 | | |
| datafield7 | lisa_field7 | | |
| account | konto | | konto |
| bestbefore | parimenne | | parimenne |
| priority | jarjestus | | prioriteet |
| tolerance | viga | | tootmise nihe |
| object | objekt | | objekt |
| user | kasutaja | | kasutaja |
| status | staatus | Staatus | |
| customtxtfield1 | customtxtfield1 | | 255; customizable field |
| customtxtfield2 | customtxtfield2 | | 255; customizable field |
| confirm | kinnita | | „1“ - confirm document |

read:

| XML väli | SQL väli | UI väli | Selgitus |
|----------------|-------------|----------|----------|
| item | artikkel | | |
| name | nimetus | | |
| sn | SN | SN/Mudel | |
| totalqty | arv_kogus | | |
| mexpense | mkulu | | |
| inputquantity | Skogus | | |
| outputquantity | Vkogus | | |
| stock | ladu | | |
| labourcost | Tkulu | | |
| date | r_aeg | | |
| worker | r_tegija | | |
| normquantity | norm_kogus | | |
| worktime | aeg_kulunud | | |

| XML väli | SQL väli | UI väli | Selgitus |
|--------------------|-----------------------|---------|-------------------------|
| workcenter | tookeskus | | |
| workercount | mitu_tegijat | | |
| skill | oskus | | |
| how | kuidas | | |
| scrap | praak_kogus | | |
| comment | kommentaar | | |
| production | r_tootmine | | |
| movement | liikumine | | |
| order | jrk | | |
| inprogress | starditud | | |
| sales | myyk | | |
| done | valmis | | |
| confirmation | kinnitus | | |
| lockworkcenter | lukusta_tookeskus | | |
| shelf | riiul | | |
| object | r_objekt | | |
| startdate | aeg_algus | | |
| semiqty | pkogus | | |
| unit | yhikb | | |
| semiproduct | pooltoode | | |
| variant | variant | | |
| bestbefore | parimenne | | parimenne |
| points | punktid | | |
| lockedqty | lukustub_arv_kogusena | | |
| reciperow | retsept_rida | | |
| text1 | tekst1 | | |
| text2 | tekst2 | | |
| text3 | tekst3 | | |
| text4 | tekst4 | | |
| constant1 | konstant1 | | |
| constant2 | konstant2 | | |
| constant3 | konstant3 | | |
| constant4 | konstant4 | | |
| customrowtxtfield1 | customrowtxtfield1 | | 255; customizable field |
| customrowtxtfield2 | customrowtxtfield2 | | 255; customizable field |
| customrowdecfield1 | customrowdecfield1 | | customizable field |
| customrowdecfield2 | customrowdecfield2 | | customizable field |
| orn | trn | | |
| rn | rn | | |

Projektid

what=project [Skeem](#)

Päis:

| 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 | |
| manager | juht | Juht | |
| members | liikmed | Liikmed | |
| start | aeg1 | Algus | |
| end | aeg2 | Lõpp | |
| currency | valuuta | Valuuta | |
| master | master | Peaprojekt | |
| customer | klient_kood | Kliendi kood | ALT.FROM: using „customerregno“ |
| customerregno | klient_regnr | Kliendi reg.nr | |
| customername | klient_nimi | Kliendi nimi | ALT.FROM: customer |
| customercontact | kl_kontakt | Kl.kontakt | ALT.FROM: customer |
| customercontactphone | kl_kontakt_telefon | Kliendi telefon | ALT.FROM: customer |
| customercontactemail | kl_kontakt_email | Kliendi e-mail | ALT.FROM: customer |
| supplier | hankija_kood | Hankija kood | ALT.FROM: using „supplierregno“ |
| supplierregno | hankija_regnr | Hankija reg.nr | |
| suppliername | hankija_nimi | Hankija nimi | ALT.FROM: supplier |
| suppliercontact | h_kontakt | H.kontakt | ALT.FROM: supplier |
| suppliercontactphone | h_kontakt_telefon | Hankija telefon | ALT.FROM: supplier |
| suppliercontactemail | h_kontakt_email | Hankija email | ALT.FROM: supplier |
| memo | memo | Memo | |
| memo2 | memo2 | Memo2 | |
| plannedprofit | pl_kate | Plan.kate | |
| url | url | Url | |
| object | objekt | objekt | |
| customerinventory | kl_inventar | Kl. inventar | |
| type | proj_tyyp | Tüüp | ALT.FROM: tr.params |
| address1 | aadress1 | Tänav | ALT.FROM: customer |
| address2 | aadress2 | Indeks,linn | ALT.FROM: customer |
| address3 | aadress3 | Maa | ALT.FROM: customer |
| country | asumaa | Asumaa | ALT.FROM: customer |
| county | maakond | Maakond | ALT.FROM: customer |
| sraccount | lskonto | LS konto | |
| contract | leping | Leping | |
| orderer | tellija_kood | Tellija kood | |
| orderername | tellija_nimi | Tellija nimi | ALT.FROM: orderer |

| XML väli | SQL väli | UI väli | Selgitus |
|----------------------|---------------------|---------------------------------|-------------------------------|
| orderercontact | tl_kontakt | Tl.kontakt | ALT.FROM: orderer |
| orderercontactphone | tl_kontakt_telefon | Tellija telefon | ALT.FROM: orderer |
| orderercontactemail | tl_kontakt_email | Tellija email | ALT.FROM: orderer |
| ordereraddress1 | tellija_aadress1 | Tellija tänav | ALT.FROM: orderer |
| ordereraddress2 | tellija_aadress2 | Tellija Indeks, linn | ALT.FROM: orderer |
| ordereraddress3 | tellija_aadress3 | Tellija maa | ALT.FROM: orderer |
| orderercountry | tellija_asumaa | Tellija asumaa | ALT.FROM: orderer |
| orderercounty | tellija_maakond | Tellija maakond | ALT.FROM: orderer |
| payterm | tingimus | Tas.ting | ALT.FROM: customer |
| status | staatus | staatus | ALT.FROM: tr.params |
| closed | suletud | suletud | closed = 1, open = 0 |
| contractend | garantii | Garantii% | |
| worth | maksumus | Maksumus | |
| costbudget | summa_kulud | Kulude eelarve | |
| customer_vatregno | klient_kmregnumber | Kliendikaardil: Km reg nr | |
| customer_vatzone | klient_maa | Kliendikaardil: Maa | local = 0, EU = 1, export = 2 |
| customer_type | klient_tyyp | Kliendikaardil: Tüüp | |
| customer_class | klient_klass | Kliendikaardil: Klass | |
| customer_loyaltycard | klient_kliendikaart | Kliendikaardil: Kliendikaart | |

read:

| XML väli | SQL väli | UI väli | Selgitus |
|----------------|---------------|----------------------|----------------|
| action | tegevus | Tegevus | ALT.FROM: item |
| start | algus | Algus | |
| manager | juht | Juht | |
| workers | tegijad | Tegijad | |
| comment | kommentaar | Kommentaar | |
| Preliminaryend | oletatav_lopp | Oletatav valmimisaeg | |
| done | valmis | Valmis | |
| actualend | tegelik_lopp | Tegelik valmimisaeg | |
| sum | summa | Summa | |
| plannedtime | aeg_raha1 | Planeeritud | |
| actualtime | aeg_raha2 | Tegelik | |
| points | punktid | Punktid | |
| after | peale | Peale | |
| event | event | | |
| object | objekt | | |
| item | r_artikkel | | |
| quotation | pakkumine | | |
| costs | kulud | Kulud | |
| worker | teostaja | Teostaja | |
| budget | eelarve | | |
| amount | rea_kogus | | |
| invoice | arve | | |

| XML väli | SQL väli | UI väli | Selgitus |
|-----------|-----------|-----------|--|
| text1 | tekst1 | | |
| text2 | tekst2 | | |
| constant1 | konstant1 | Konstant1 | |
| constant2 | konstant2 | Konstant2 | |
| rn | rn | Nr | row order number in document 1 - N , ALT.FROM: random |

lisaväljad:

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

Sündmused

what=project [Skeem](#)

Päis:

| XML väli | SQL väli | UI väli | Selgitus | |
|--------------------|---------------|---|---|---------------|
| session_id | x | | for internal use at Directo side, do not send this field! | |
| ext_unique_id | ext_unique_id | ! according to settings, default field is ext_id | Needed for creating new events. Transport parameter „uniqueid“ must be set up correctly and „ext_id“ field is best for that; It must be unique for each document and remain same if more than one transaction of the same document is necessary | |
| code | kood | Sündmus | document number/ID used for updating events; It must be unique for each document and remain same if more than one transaction of the same document is necessary | |
| type | tyyp | | 32; UI | Sündmuse tüüp |
| status | status | Staatus | | |
| startdate | aeg1 | | UI | Algus |
| enddate | aeg2 | | UI | Lõpp |
| eventcontacttype | k_tyyp | | KLIENT or HANKIJA (customer or supplier) | |
| eventcontactcode | k_kood | | 32; UI | Kood |
| eventcontactname | k_nimi | | ALT.FROM: customer | |
| eventcontactperson | k_kontakt | | ALT.FROM: customer | |
| phone | k_telefon | | ALT.FROM: customer | |

| XML väli | SQL väli | UI väli | Selgitus | |
|-----------------|-----------------|---------|-------------------------------|--|
| email | k_email | | ALT.FROM: customer | |
| address | k_aadress | | ALT.FROM: customer | |
| fax | k_faks | | 64; UI | Faks |
| project | projekt | | 32; UI | Projekt |
| assignedby | kasutaja | | 32; UI | Kasutaja |
| assignedto | tegija | | 32; UI | Tegija |
| description | sisu | | 4000 or infinite (slower); UI | Sündmuse kirjeldus |
| feedback | feedback | | 4000 or infinite (slower); UI | Tagasiside |
| object | objekt | | 255; UI | Objekt |
| comment | markus | | 255; UI | Märkus |
| priceformula | hinnavalem | | 32; UI | Hinnavalem |
| contract | leping | | UI | Leping |
| asset | inventar | | 32; UI | Inventar |
| priority | prioriteet | | 32; UI | Prioriteet |
| extid | ext_id | | 32; UI | do not use it if ext_unique_id is already used as ext_id field |
| sourceunit | src_unit | | 32; UI | Source |
| sourcenumbr | src_number | | 32; UI | |
| item | artikkel | | | |
| itemname | artikkel | | | |
| customtxtfield1 | customtxtfield1 | | 255; customizable field | |
| customtxtfield2 | customtxtfield2 | | 255; customizable field | |

lisaväljad

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

allikad

| XML väli | SQL väli | UI väli | Selgitus | |
|-------------|------------|---------|----------|--------|
| sourceunit | src_unit | | 32; UI | Source |
| sourcenumbr | src_number | | 32; UI | |

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 | | |
| 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 | | |

| XML väli | SQL väli | UI väli | Selgitus |
|--------------|--------------|---------|----------|
| object | objektid | | |
| closed | suletud | | |
| initialqty | kogus_alg | | |
| finishedqty | kogus_tehtud | | |
| stopped | peatatud | | |
| customerqty | klient_kogus | | |
| 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 | | |

Kasutajad

what=user [Skeem](#)

Kasutajad

| 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 | | |
| group | grupp | | |
| email | email | | |
| stock | ladu | | |
| series | Field19 | | |
| object | objekt | | |
| priceformula | hinnavalem | | |
| closed | suletud | | |
| gender | sugu | | |
| dateofbirth | synniaeg | | |

| XML väli | SQL väli | UI väli | Selgitus |
|--------------------|-----------------------|----------------|-----------------|
| homeaddress | k_address | | |
| homeaddress2 | k_address2 | | |
| homeaddress3 | k_address3 | | |
| county | k_maakond | | |
| officeaddress | t_address | | |
| bank | pank | | |
| accountno | arveldusarve | | |
| homephone | telefon_kodu | | |
| officephone | telefon_too | | |
| mobilephone | telefon_tasku | | |
| incometaxfree | meetod_tulumaks | | |
| vacation | meetod_puhkus | | |
| socialtax | meetod_sotsmaks | | |
| pid | isikukood | | |
| livingplace | elukoht | | |
| language | keel | | |
| account | konto | | |
| personnel | personal | | |
| nameinbank | nimi_pangas | | |
| resident | resident | | |
| skype | skype | | |
| intcode | int_kood | | |
| extraobject | lisa_objekt | | |
| payday | palgapaev | | |
| healthinsurance | ravikindlustus | | |
| salaryemail | email_palk | | |
| pdfpassword | per_pass | | |
| reservcost | reserv_kulu_konto | | |
| reservliability | reserv_kohustus_konto | | |
| pricegroup | hinnagrupp | | |
| averagebaseinmonth | kesk_kuud | | |
| sessiontime | session_time | | |
| country | maa | | |
| averagefee | kesk_alus | | |
| workingtimecalc | tooaja_arvest | | |
| toraddressid | t_address_id | | |

lisaväljad

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

töösuhe

| XML väli | SQL väli | UI väli | Selgitus |
|-------------------|-------------------|---------|----------|
| type | tyyp | | |
| contract | leping | | |
| started | aeg1 | | |
| finished | aeg2 | | |
| date | aeg | | |
| signer | allkirjastaja | | |
| department | osakond | | |
| occupation | amet | | |
| superior | ylemus | | |
| comment | kommentaar | | |
| rn | rn | | |
| stage | etapp | | |
| workload | koormus | | |
| endreason | lop_alus | | |
| closed | suletud | | |
| workscheduleitems | graafiku_artiklid | | |
| personsubstituted | asendatav | | |
| rr | rv | | |
| arn | a_rn | | |

haridus

| XML väli | SQL väli | UI väli | Selgitus |
|---------------|------------|---------|----------|
| type | tyyp | | |
| code | tunnistus | | |
| qualification | eriala | | |
| issuedby | asutus | | |
| comment | kommentaar | | |
| startdate | aeg1 | | |
| enddate | aeg2 | | |
| level | tase | | |
| description | nimetus | | |
| rn | rn | | |

dokumendid

| XML väli | SQL väli | UI väli | Selgitus |
|-----------|------------|---------|----------|
| type | tyyp | | |
| code | dokument | | |
| name | nimetus | | |
| comment | kommentaar | | |
| startdate | aeg1 | | |
| enddate | aeg2 | | |
| rn | rn | | |

isikud

| XML väli | SQL väli | UI väli | Selgitus |
|----------|------------|---------|----------|
| type | tyyp | | |
| idnumber | isikukood | | |
| name | nimi | | |
| phone | telefon | | |
| comment | kommentaar | | |
| rn | rn | | |

valemid

| XML väli | SQL väli | UI väli | Selgitus |
|-----------|-----------|---------|----------|
| formula | valem | | |
| user | kasutaja | | |
| price | hind | | |
| comment | kirjeldus | | |
| startdate | aeg1 | | |
| enddate | aeg2 | | |
| rn | rn | | |

kasutaja maksud

| XML väli | SQL väli | UI väli | Selgitus |
|------------------|-----------|---------|----------|
| formula | valem | | |
| startdate | algus | | |
| enddate | lopp | | |
| taxfree | maksuvaba | | |
| taxfreestartdate | mv_algus | | |
| taxfreeenddate | mv_lopp | | |
| rn | rn | | |

Puudumised

what=absence [Skeem](#)

Puudumised

| XML väli | SQL väli | UI väli | Selgitus |
|--------------|----------|-----------|---|
| session_id | x | | for internal use at Directo side, do not send this field! |
| number | number | Laekumine | 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 |
| date1 | aeg1 | | |
| date2 | aeg2 | | |
| comment | selgitus | | |
| employeecode | persoon | | |

| XML väli | SQL väli | UI väli | Selgitus |
|-----------------|-----------------|---------|-------------------------|
| delete | kustuta | | „1“ means delete |
| customtxtfield1 | customtxtfield1 | | 255; customizable field |
| customtxtfield2 | customtxtfield2 | | 255; customizable field |

read:

| XML väli | SQL väli | UI väli | Selgitus |
|--------------------|--------------------|---------|-------------------------|
| employeecode | persoon | | |
| absencetype | r_liik | | |
| date1 | r_aeg1 | | |
| date2 | r_aeg2 | | |
| newend | uus_lopp | | |
| comment | kommentaar | | |
| inadvance | ette | | |
| substitute | asendaja | | |
| customrowtxtfield1 | customrowtxtfield1 | | 255; customizable field |
| customrowtxtfield2 | customrowtxtfield2 | | 255; customizable field |
| customrowdecfield1 | customrowdecfield1 | | customizable field |
| customrowdecfield2 | customrowdecfield2 | | customizable field |
| rn | rn | | |

Väljundid

Pakkumised (quotation)

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

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=itepackage [Skeem](#)
Filtrid: code,ts

Seotud artikli (Item relations)

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

Artikli KM koodid ja kontod (Item VAT codes and Account codes)

- what=itemaccountvatcode [Skeem](#)
Filtrid: item

ws_artiklid_kontod_kmkoodid

Kliendid (Customers)

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

Hankijad (Suppliers)

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

Kontaktid (contact)

- what=contact
- [Skeem](#)
- Filtrid: code,customercode,suppliercode,email,closed,ts

Laod(stock)

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

Laoseis (Stock levels)

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

Laoseis tegelik ilma vaba koguse arvutuseta ning vaba laoseisu mõjutavad kogused (allocations)

- what=stocklevel_variant_sn [Skeem](#)
 - Filtrid:code,variant,sn,stock,ts

- what=allocation [Skeem](#)
 - Filtrid: code,variant,sn,stock
 - **Info:** Sisaldab koguseid, et arvutada vaba laoseisu. Kasutamiseks juurde liita ja lahutada erinevatelt sisenenvatelt ja väljuvatelt dokumentidelt vaba laoseisu arvutuseks. Kasutada koos laoseisu väljundiga what=stocklevel_variant_sn kus on tegeliku laoseisu koguse väli level.

Hinnavalemi read (Price formula rows)

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

Artikli klassid (Item classes)

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

Artikliajalugu (itemhistoryrow)

- what=itemhistoryrow [Skeem](#)
Filtrid: type,number,code,id

Retseptid (recipe)

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

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) ja Finantskande read (Transactionrows)

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

Laekumised (Receipts)

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

Lähetused (delivery)

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

Tagastused (stockreturn)

- what=delivery [Skeem](#)
Filtrid: number,customercode,status,project,stock,confirmed,ts

Inventuurid (taking)

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

Liikumised(movement)

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

Laotellimused(stockorder)

- what=stockorder [Skeem](#)
Filtrid: number,date,status,ts

Ostutellimused (purchaseorder)

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

Sissetulekud (stockreceipt)

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

Ostuarved (Purchase)

- what=purchase [Skeem](#)

Filtrid: number,date1,date2,supplier,confirmed,status,ts

Tootmised (production)

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

Kontod (account)

- what=account [Skeem](#)
Filtrid: code,closed,class

Objektid (object)

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

Projektid (project)

- what=project [Skeem](#)
- Filtrid: code,type,status,confirmed,createdts,ts

Sündmused(event)

- what=event [Skeem](#)
- Filtrid: code,extid,customercode,type,status,ts

Ressursid (resource)

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

Kasutajad(user)

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

Puudumised (absence)

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

Asenduste log (Replacement log)

Customer code replacements

- what=replacementlog [Skeem](#)
Filtrid: number, document, old, new, ts

Kustutatud dokumendid (Deleted documents)

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

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