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

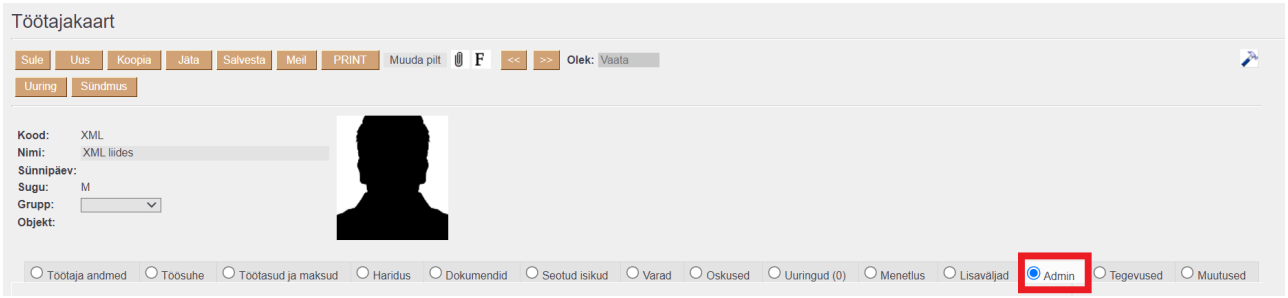
To find the interface XML key and provide it to the developer:

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>`.

General Technical Requirements

Regardless of the specifics of a particular interface project, there are certain principles that must be followed in any case.

- The data format is XML
- Data encoding is UTF-8
- The transport protocol is HTTPS (with a publicly recognized certificate)
- The POST method is used to access the interface
- Data traffic is always initiated by an external party, regardless of whether the data is requested or sent, the Directo interface is inactive
- The POST request is answered by an interface with a synchronous XML message, the processing of which may be important for the success of the process
- The structure of the data must be descriptive as an XSD schema, preferably a schema where the values are carried by attributes rather than elements
- Document numbers in Directos are of *integer* type, which means that the maximum possible number is *2147483647*

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'
```

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>'
```

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 (itemrelitem)		x
Item classes (itemclass)		x
Stock level (stocklevel)		x
Stock level with serial numbers (stocklevel_sn)		x
Stock level with variants (stocklevel_variant)		x
Price formula rows (priceformularow)		x
Purchase invoices (purchase)	x	x
Financial transactions (transaction)	x	x

Component (what)	Input \ (put=1)	Output \ (get=1)
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
customercode	klient_kood	Customer	mandatory by default!
customername	klient_nimi		ALT.FROM: customer
orderer_code	klient_tellija		
contact	esindaja	Their representative	ALT.FROM: customer

XML field	SQL field	UI field	Explanation
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	staatus	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	
dealtype	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	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
deliveryaddress1	lahetusaadress1	delivery address, ! according to settings	
deliveryaddress2	lahetusaadress2	delivery address, ! according to settings	
deliveryaddress3	lahetusaadress3	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

Customers

- When posting and modifying, code and email are always required!

what=customer Schema

Customers

XML field	SQL field	UI field	Explanation
session_id	x		for internal use at Directo side, do not send this field!
code	kood	Code	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	Name	
object	objekt	Object	
address1	aadress1	address, ! according to settings	
address2	aadress2	address, ! according to settings	
address3	aadress3	address, ! according to settings	
deliveryaddress1	lahaadress1	address, ! according to settings	
deliveryaddress2	lahaadress2	address, ! according to settings	
deliveryaddress3	lahaadress3	address, ! according to settings	
county	maakond	County	
country	asumaa	Country	
contact	kontakt	Representative	
phone	telefon	Phone	
email	email	E-mail	mandatory
regno	regnr	Reg no	
vatregno	kmregnr	VAT reg no	
notice	margukiri	Notices	yes = 1
birthday	klient_synnipaev	Birthday	
gender	klient_sugu	Gender	female = 1, male = 0
class	klass	Class	
type	klient_tyyp	Type	company = 0, private citizen = 1, government institution = 2
loyaltycard	kliendikaart	Loyalty card	also used for personal ID code
deliveryname	nimi_lahetusel	Name on delivery	
deliverymode	lahetusviis	Deliv. method	
alert	hoiatus	Warning	

XML field	SQL field	UI field	Explanation
factoring	arvetasub	Invoice paid by	
fax	faks	Fax	
comment	kommentaar	Comment	
payterm	tingimus	Pay. term.	
vatzone	maa	VAT zone	local = 0, EU = 1, export = 2
language	keel	Language	
salesman	myyja	Salesperson	
bank	pank	Bank	
bankaccount	arveldusarve	Acct. no	
url	URL	Url	
status	staatus	Status	
accountmanager	kliendihaldur	Manager	
dealtype	tehinguliik	Transaction type	
creditlimit	limiit	Limit	
priceformula	hinnakiri	Price formula	
specialpriceformula	hinnavalem_eri	Special offers	
discount	ale	Discount %	
destination	sihtriik	Destination	
firstname	eesnimi		
lastname	perenimi		
vatcode	kmkood	VAT code	
extcode	valine_kood	External code	
deliveryinvoice	lah_arve	Shipment	Shipment and Invoice = 1, Shipment = 0
currency	valuuta	Currency	
closed	suletud		

Additional fields:

XML field	SQL field	UI field	Explanation
code	kood		
content	sisu	Content	
param	param	Parameter	

Customer transport parameters

TYPE	CODE	PARAMETER 1	PARAMETER 2	EXPLANATION

Suppliers

- When posting and modifying, code is always required!

what=supplier Schema

suppliers:

XML field	SQL field	UI field	Explanation
session_id	x		for internal use at Directo side, do not send this field!
code	kood	Code	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	Name	
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		
dealtype	tehinguliik		
origin	saatjariik		
normtime	norm_aeg		
trancost	transakulu		
skype	skype		
discount	ale		
proceeders	menetlejad		

XML field	SQL field	UI field	Explanation
prefilled	eeltaida		
stock	ladu		
proceedertempalte	menetlejad_mall		
referencemandatory	viide_kohustuslik		
type	hank_tyyp		
purchasinggroup	ostugrupp		
county	maakond		

suppliers additional fields:

XML field	SQL field	UI field	Explanation
code	kood		
content	sisu	Content	
param	param	Parameter	

Items

- When filling out the item card, the interface fills the fields according to the rules mandatory

what=item Schema

Items

XML field	SQL field	UI field	Explanation
session_id	x		for internal use at Directo side, do not send this field!
code	kood	Code	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	Name	
class	klass	Class	
barcode	ribakood	Barcode	
areacode	piirkonnakood	Origin	
unit	yhik	Unit	
salesprice	baashind	Sales price	without VAT
accountlocal	konto_myyk	Sales Domestic	
accounteu	konto_myyk_EU	Sales EU	
accountexport	konto_myyk_eksport	Sales Exp	
vatcode	KMkood	VAT Domestic	
vatcodeeu	KMkood_EU	VAT EU	
vatcodeexport	KMkood_eksport	VAT non-EU	

XML field	SQL field	UI field	Explanation
type	tyyp	Type	ALT.FROM: tr.params, cannot be updated. 0=service; 1=stock item; 2=rental item
minlevel	minimaaltase	Min level	
shelf	riiulikood	Shelf	
weight	kaal	Weight	
volume	maht	Volume	
warranty	garantii	Warranty	
package1	yhikumuut1	In package 1	
package2	yhikumuut2	In package 2	
sntracking	SN_jalgimine	Serial no.	cannot be updated. 0=without sn tracking; 1=serial no tracking; 2=batch no tracking
cost	ostuhind	Purchase price	
object	objekt	Object	
recipe	retsept	Recipe	
recipetorows	retsept_ridadeks	Recipe does not apply	
alert	hoiatus	Warning	
closed	suletud	Closed	closed = 1, open = 0
description	pikktekst	Description	
vatprice1	hind_okonline	Add. price 1 (customizable)	with local VAT
vatprice2	hind_delfi	Add. price 2 (customizable)	with local VAT
vatprice3	soodus_hind1	Discount price 1 (customizable)	with local VAT
vatprice4	soodus_hind2	Discount price 2 -customizable)	with local VAT
vatprice	hind_tavaline	Regular price	ALT.FROM: salesprice + local vat
priority	prioriteet	Priority	
url	url	URL	
supplier	hankija_kood	Supplier	
supplieritem	hankija_artikkel	Supp. item	
maxlevel	maksimaaltase	Max level	
abc	abc	ABC class	
cn8code	cn8_kood	CN8 code	
cnkogus	cnkogus	CN quantity	
vatcodeeu2	KMKood_EU2	VAT EU 2	
vatcodeeu3	KMKood_EU3	VAT EU 3	
vatcodeconcern	KMKood_kontsern	VAT concern	
accounteu2	konto_myyk_EU2	Sales EU 2	
accounteu3	konto_myyk_EU3	Sales EU 3	
accountconcern	konto_myyk_kontsern	Sales concern	
snclass	sn_klass	SN class	
normarrivaltime	norm_aeg	Normal arrival time	
replacement	asendus	Replacement	
snrule	sn_reegel	SN rule	

XML field	SQL field	UI field	Explanation
project	projekt	Project	
variants	variandid	Variant	cannot be updated. 0=no; 1=yes
autosn	auto_sn	Auto SN	
specialprice1	kaibeta_hind1	Item add. price w/o VAT 1 (customizable)	
specialprice2	kaibeta_hind2	Item add. price w/o VAT 2 (customizable)	
specialprice3	kaibeta_hind3	Item add. price w/o VAT 3 (customizable)	
specialprice4	kaibeta_hind4	Item add. price w/o VAT 4 (customizable)	
specialprice5	kaibeta_hind5	Item add. price w/o VAT 5 (customizable)	
specialprice6	kaibeta_hind6	Item add. price w/o VAT 6 (customizable)	
specialprice7	kaibeta_hind7	Item add. price w/o VAT 7 (customizable)	
specialprice8	kaibeta_hind8	Item add. price w/o VAT 8 (customizable)	
height	korgus	Height	
width	laius	Width	
depth	sygavus	Depth	
grossweight	kaal_bruto	Gross weight	
giftcert	kinkekaart	Gift card	
manufacturer	tootja	Manufacturer	

Items additional fields:

XML field	SQL field	UI field	Explanation
code	kood		
content	sisu	Content	
param	param	Parameter	

Items packages:

XML field	SQL field	UI field	Explanation
class	pakendi_klass	Class	
type	pakendi_tyyp	Type	
height	korgus	Height	
width	laius	Width	
length	pikkus	Length	
volume	maht	Volume	
qty	kogus	Pack. qty	
packageweight	pakendi_kaal	Package weight	
productweight	toote_kaal	Product weight	
totalweight	kaal_kokku	TOTAL weight	
totalvolume	maht_kokku	TOTAL volume	

XML field	SQL field	UI field	Explanation
barcode	ribakood	Barcode	
comment	kommentaar	Comment	
shelf	riiul	Shelf	

Items - supplier items:

XML field	SQL field	UI field	Explanation
supplier	hankija	Supplier	
supplieritem	hankija_artikkel	Supp. item	
name	nimi	Name	
price	hind	Purchase price	
normarrivaltime	norm_aeg	Normal arrival time	
object	objekt	Object	
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	Sales price	without VAT
sales	myyk		ALT.FROM: tr.params, cannot be updated , sales item = 1, supplier item = 0

Items - minmax:

XML field	SQL field	UI field	Explanation
stock	ladu	Stock	
shelf	riiul	Shelf	
variant	variant	Variant	
minlevel	min_kogus	MIN	
maxlevel	max_kogus	MAX	

Item transport parameters

TYPE	CODE	PARAMETER 1	PARAMETER 2	EXPLANATION
XML	xd_supplieritemtype	0	ITEM	0 = supplier item; 1 = sales item
XML	type	1	ITEM	1 = stock item

Purchase Invoices

what=purchase 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; It must be unique for each document and remain same if more than one transaction of the same document is necessary
date	aeg	Invoice time	ALT.FROM: current time
duedate	tas_aeg	Due time	
sum	summa	To be paid	sum with vat
supplierinvoiceno	hankija_arve	Supplier invoice	
paymentterm	tingimus	Pay. term.	ALT.FROM: supplier
suppliercode	hankija_kood	Supplier	
suppliername	hankija_nimi		ALT.FROM: supplier
bankaccount	pangakonto		ALT.FROM: supplier
reference	viide	Reference number	ALT.FROM: supplier
transactiontime	kande_aeg	Oper. time	
creditaccount	kred_konto	Cred. account	ALT.FROM: supplier > glob.settings
factoring	arve_tasub	Invoice paid by	
currency	valuuta	Currency	ALT.FROM: glob.settings > 'EUR'
currencyrate	kurssbv1	Rate	ALT.FROM: ECB current published rates
vatzone	maa	VAT Zone (hidden field)	local = 0, EU = 1, export = 2 , ALT.FROM: supplier > 0
comment	kommentaar	Comment	
vat	arvestatudkm	VAT total	
object	objekt	Object	ALT.FROM: supplier > tr.params
bankcode	pangakood	Bank code	
creditpurchase	kredost	Cred. purch.	
purchaseorder	ostutellimus	Purchase order	
project	projekt	Project	
email	email	e-mail	ALT.FROM: supplier
stockreceipt	sissetulek	Stock receipt	
country	asumaa	Origin country	ALT.FROM: supplier
prepayment	ettemaks	Prepayment	
status	staatus	Status	
type	tyyp	Type	
dividedsum	jagatav_summa	Divisible sum	
vatdate	km_aeg	VAT time	ALT.FROM: date > current time
reclamation	reklamatsioon	Reclamation	
reclamationcomment	rekl_selgitus	Recl. explanation	
asset	inventar	Asset	
datafield1	lisa_field1		
datafield2	lisa_field2		

XML field	SQL field	UI field	Explanation
datafield3	lisa_field3		
datafield4	lisa_field4		
datafield5	lisa_field5		
datafield6	lisa_field6		
datafield7	lisa_field7		
intcomment	sisekommentaar	Internal comment	
supplier_class	hankija_klass	Class	
supplier_vatcountry	hankija_maa_tasu	VAT-zone	local = 0, EU = 1, export = 2 , ALT.FROM: customer > 0
supplier_regno	hankija_regnr1	Reg no 1	
supplier_vatregno	hankija_kmregnr	VAT reg no	
supplier_type	hankija_tyyp	Type	
confirm	kinnita	State	„1“ - confirm document

rows

XML field	SQL field	UI field	Explanation
account	konto	Account	
object	objekt	Object	ALT.FROM: project
name	sisu	Content	ALT.FROM: account
linetotalwovat	summa	Sum	
vatcode	kmkood	VAT code	ALT.FROM: supplier > account > object
project	projekt	Project	
customer	klient_kood	Customer	
item	artikkel	Item	
quantity	kogus	Quantity	
date1	r_aeg1	Start	
date2	r_aeg2	End	
contract	leping	Contract	
user	kasutaja	User	
oid	oid	OID	
orderrn	trn		
asset	r_inventar	Asset	
price	myygihind	Sales price	
constant1	konstant1		
constant2	konstant2		
constant3	konstant3		
constant4	konstant4		
text1	tekst1		
text2	tekst2		
text3	tekst3		
text4	tekst4		
intcomment	r_sisekommentaar	Internal comment	
vatsum	km	VAT	
rn	rn	No.	

attachments

XML field	SQL field	UI field	Explanation
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://`

Purchase invoice transport parameters

TYPE	CODE	PARAMETER 1	PARAMETER 2	EXPLANATION
XML	xd_autosupplier	1	PURCHASE	Automatic creation of a related supplier if the supplier code does not exist, a unique reg. number is a prerequisite
XML	xd_autosupplier_autocode	0	PURCHASE	When creating a related supplier, the code is created in the interface, a unique reg. number is required and system settings for supplier codes are necessary
XML	xd_update	0	PURCHASE	Allow document update if there are no related documents
XML	supplier_update	0	PURCHASE	Partial update of supplier data, (email, ...) fields need to be specified in the spec
XML	xd_object	VEEB	PURCHASE	Default object, if not sent
XML	xd_confirm	0	PURCHASE	

Resources

what=resource Schema

Header:

XML field	SQL field	UI field	Explanation
session_id	x		
ext_unique_id	ext_unique_id		
number	number		
date	aeg		
comment	kommentaar		
customer	vaik_klient_kood		
employee	vaik_tegija		

XML field	SQL field	UI field	Explanation
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		

Rows:

XML field	SQL field	UI field	Explanation
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	peatutud		
customerqty	klient_kogus		
sn	sn		

XML field	SQL field	UI field	Explanation
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		

Outputs

Items (Items)

- what=item Schema
  Filters: class,code,type,barcode,supplier,supplieritem,closed,ts

Item stock limits (Item stock limits)

- what=itemstocklimit Schema
  Filters: code,stock,ts

Item packages (Item packages)

- what=itempackage Schema
  Filters: code,ts

Item relations (Item relations)

- what=itemrelitem Schema
  Filters: code,ts

Customers (Customers)

- what=customer Schema
  Filters: code,loyaltycard,regno,email,phone,closed,ts

Suppliers (Suppliers)

- what=supplier
- Schema
- Filters: code,regno,email,closed,ts

Stock levels (Stock levels)

- what=stocklevel Schema
- what= stocklevel_sn Schema
- what=stocklevel_variant Schema
- Filters: code,stock,ts

Price formula rows (Price formula rows)

- what=priceformularow Schema
  Filters: class,code,ts

Item classes (Item classes)

- what=itemclass Schema
  Filters: code,master

Invoices (Invoices)

- what=invoice Schema
  Filters: number,customercode,transactiondate,date1,date2,ts, ordernumber

Orders (Orders)

- what=order Schema
  Filters: number,date1,date2,ts, projekt, customerordernumber, stock, status

Financial transactions (Transactions)

- what=transaction Schema
  Filters: number,date1,date2,ts

Receipts (Receipts)

- what=receipt Schema
  Filters: number,date1,date2,ts

Purchase Invoices (Purchase)

- what=purchase Schema
  Filters: number,date1,date2,supplier,confirmed,status,ts

Resources (Resources)

- what=resource Schema
- Filters: number,confirmed,ts

Deleted documents (Deleted documents)

- what=delete Schema
  Filters: number,code,document,ts

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Last update: **2025/12/18 12:50**