

CONTENTS

Change log	2
Services	3
Create financial document.....	3
Payload.....	3
JSON input sample	5
JSON output sample.....	6
Get financial document.....	7
Payload.....	7
JSON input sample	7
JSON error output sample	7
Get financial document – for web use only (end client).....	8
Get financial documents	9
Payload.....	9
JSON input sample	10
JSON output sample.....	10
Payment fields requirement by payment method	11
Key values mapping	11
Currencies	11
Payment methods.....	11
Country codes	12
Document actions	12
Document types	12
Amount types.....	12
Unit types.....	12
Item types	13
Languages	13
Credit card brands.....	13
Credit card credit terms	13
Document relation types	13
Services error messages.....	15

CHANGE LOG

Version	Date	Modifier	Main changes
0.9		Amit Nevo	Support legacy functionality, no support for items
1.0		Amit Nevo	Support multiple items per document
1.1		Amit Nevo	Support DI document type, support multiple payment methods per single document, support multiple currencies payments per document, support multiple items currencies, support net/gross amounts per item Known issues: <ul style="list-style-type: none"> - No support for document currency other than ILS - No support for partial payment - No support for document linking (multiple payment documents per IR, DI document types)
1.2		Amit Nevo	Support document concatenation with new fields: <ul style="list-style-type: none"> - Related document number - Relation type Known issues: <ul style="list-style-type: none"> - Can only relate to document of same type
1.3		Amit Nevo	Support document multicurrency
1.4		Amit Nevo	Added a description field for receipt, to hold "paid for" text
1.5		Amit Nevo	Added a "created by user" field to allow saving of reference to external user id/name Added a "created by system" field to allow saving of reference to external system name
1.6	6/9/2019	Amit Nevo	Added "get financial documents" service Moved Services error messages to its' own section Added a Date column to document change log
1.7	15/9/2019	Amit Nevo	Added relation type 2 – for cancelling document number
1.8	10/01/2021	Boris	Better example code, fixed URLs for newer version

SERVICES

CREATE FINANCIAL DOCUMENT

End point	https://billing5.tranzila.com/api/documents_db/create_document
Method	POST
Format	JSON
Return format	JSON

PAYLOAD

Element name	Data type	Mandatory	Note (default value in bold)
terminal_name	String	Yes	Terminal for which a document is created
document_date	Date	No	Current date. Format yyyy-mm-dd
document_type	String	No	IR
document_currency_code	String	No	ILS
vat_percent	Decimal	No	Terminal setting or BOI to document date
action	Integer	No	1
client_company	String	No	
client_name	String	No	Client name or contact person
client_id	String	No	Numeric
client_email	String	No	Client email address
client_address_line_1	String	No	Client address line 1
client_address_line_2	String	No	Client address line 2
client_city	String	No	
client_country_code	String	No	IL
client_zip	String	No	Numeric
items	Array	See notes	Array of item documents, depending on document type
payments	Array	See notes	Array of payment documents, depending on document type
document_language	String	No	heb
response_language	String	No	eng
related_document_number	Integer	No	
relation_type	Integer	See notes	Mandatory if related_document_number is sent or not empty
receipt_paid_for	String	No	
created_by_user	String	No	Reference to external username, user_id or any other identifying data (will not be shown on invoice)
created_by_system	String	No	Reference to external system identifying data
Item			
code	String	No	
name	String	Yes	

type	String	No	I
units_number	Decimal	No	1
unit_type	Integer	No	1
unit_price	Decimal	Yes	
price_type	String	No	G
currency_code	String	No	ILS
to_doc_currency_exchange_rate	Decimal	See note	Mandatory if currency code different from document currency
Payment			
payment_method	Integer	Yes	
payment_date	Date	No	Current date. Format yyyy-mm-dd
cc_last_4_digits	String	No	
cc_credit_term	Integer	No	
cc_installments_number	Integer	No	
cc_brand	Integer	No	
bank	String	No	
bank_branch	String	No	
bank_account	String	No	
cheque_number	String	No	
paypal_account	String	No	
paypal_transaction_number	String	No	
other_description	String	No	
amount	Decimal	Yes	
currency_code	String	No	ILS
to_doc_currency_exchange_rate	Decimal	See notes	Mandatory if currency code different from document currency

JSON INPUT SAMPLE

```
{
  "terminal_name": "terminalname",
  "document_date": "2021-01-01",
  "document_type": "IR",
  "action": "1",
  "document_language": "heb",
  "document_currency_code": "ILS",
  "vat_percent": "17",
  "client_company": "Test Ltd",
  "client_id": "123456789",
  "client_name": "Test",
  "client_email": "test@test.com",
  "client_address_line_1": "test line 1",
  "client_address_line_2": "test line 2",
  "client_zip": "4545451",
  "client_city": "City",
  "client_country_code": "IL",
  "items": [
    {
      "type": "I",
      "code": "321",
      "name": "A",
      "price_type": "G",
      "unit_price": "70.25",
      "units_number": "1",
      "unit_type": "1",
      "currency_code": "ILS",
      "to_doc_currency_exchange_rate": "1"
    },
    {
      "type": "I",
      "code": "111",
      "name": "B",
      "price_type": "G",
      "unit_price": "30",
      "units_number": "1",
      "unit_type": "2",
      "currency_code": "ILS",
      "to_doc_currency_exchange_rate": "1"
    }
  ],
  "payments": [
    {
      "payment_method": "5",
      "payment_date": "2021-01-11",
      "amount": "100.25",
      "currency_code": "ILS",
      "to_doc_currency_exchange_rate": "1"
    }
  ]
}
```

JSON OUTPUT SAMPLE

```
{
  "status_code": 0,
  "status_msg": "success",
  "enquiry_key": "4b784e5e",
  "document": {
    "id": 11819,
    "number": 111819,
    "retrieval_key": "somesolongkey"
  }
}
```

GET FINANCIAL DOCUMENT

End point	https://billing5.tranzila.com/api/documents_db/get_document
Method	POST
Format	JSON
Return format	JSON on error, PDF on success

PAYLOAD

Element name	Data type	Mandatory	Note (default value in bold)
terminal_name	String	Yes	Terminal in which a document was created
document_id	integer	Yes	
response_language	String	No	eng

JSON INPUT SAMPLE

```
{
  "terminal_name": "terminalname",
  "document_id": "11823"
}
```

JSON ERROR OUTPUT SAMPLE

```
{
  "status_code": 100025,
  "status_msg": "document id not found",
}
```

GET FINANCIAL DOCUMENT – FOR WEB USE ONLY (END CLIENT)

End point	<code>http://my.tranzila.com/api/get_financial_document/<someretrievalkey></code>
Method	GET
Return format	HTML on error, PDF on success

GET FINANCIAL DOCUMENTS

End point	https://billing5.tranzila.com/api/documents_db/get_documents
Method	POST
Format	JSON
Return format	JSON

PAYLOAD

Element name	Data type	Mandatory	Note (default value in bold)
terminal_names	Strings array	Yes	Terminals for which documents are created
transaction_ids	Integer array	See note	Mandatory if all other fields empty
start_date	Date	See note	Format yyyy-mm-dd. Mandatory if all other fields empty
end_date	Date	See note	Format yyyy-mm-dd. Mandatory if all other fields empty
client_email	String	See note	Mandatory if all other fields empty
client_name	String	See note	Mandatory if all other fields empty

JSON INPUT SAMPLE

```
{
  "terminal_names": ["terminalname1","terminalname2","terminalnamen"],
  "client_email": "mymail@mydomain.com",
  "start_date": "2019-03-05",
  "end_date": "2019-03-30"
}
```

JSON OUTPUT SAMPLE

```
{
  "status_code": 0,
  "status_msg": "success",
  "documents": [
    {
      "id": 11819,
      "number": 111819,
      "type": "IR",
      "action": 1,
      "retrieval_key": "somesolongkey"
    },
    {
      "id": 11823,
      "number": 111823,
      "type": "IR",
      "action": 3,
      "retrieval_key": "somesolongkey"
    },
    {
      "id": 11867,
      "number": 111854,
      "type": "DI",
      "action": 1,
      "retrieval_key": "somesolongkey"
    }
  ],
}
```

PAYMENT FIELDS REQUIREMENT BY PAYMENT METHOD

Payment method	Relevant Payment fields
Credit Card	cc_last_4_digits, credit_term, installments_number, credit_card_brand
Bank Transfer	bank, bank_branch, bank_account
Cheque	bank, bank_branch, bank_account, cheque_number
Cash	
PayPal	paypal_account, paypal_transaction_number
Other	other_payment_type

KEY VALUES MAPPING

CURRENCIES

Code	Meaning
ILS	Israeli Shekel
USD	US Dollar
GBP	British Pounds
EUR	Euro
CAD	Canadian Dollar
CHF	Swiss Franks
AUD	Australian Dollar
DKK	
SEK	
NOK	
JPY	Japan Yen
JOD	Jordanian Dinar
HKD	Hong Kong Dollar

PAYMENT METHODS

Code	Meaning
1	Credit Card
3	Cheque
4	Bank Transfer
5	Cash
6	PayPal
10	Other

COUNTRY CODES

Valid country 2 letter ISO code

DOCUMENT ACTIONS

Code	Meaning
1	Debit
3	Credit

DOCUMENT TYPES

Code	Meaning
IR	Tax invoice / receipt
RE	Receipt
DI	Deal Invoice
IN	Tax invoice

AMOUNT TYPES

Code	Meaning
N	Net – VAT added to amounts
G	Gross – VAT extracted from amounts

UNIT TYPES

Code	Meaning
1	Unit
2	Gram
3	Kilogram
4	Metric Ton
5	Day
6	Week
7	Month
8	Year
9	Centimeter
10	Meter
11	Kilometer

12	MB
13	GB
14	TB

ITEM TYPES

Code	Meaning
I	Item
S	Shipping and handling
C	Coupon

LANGUAGES

Code	Meaning
heb	Hebrew
eng	English

CREDIT CARD BRANDS

Code	Meaning
1	Mastercard
2	Visa
3	Diners
4	American express
5	Isracard
6	JCB
7	Discover
8	Maestro

CREDIT CARD CREDIT TERMS

Code	Meaning
1	Regular
6	Credit plan (isracredit/visa adif)
8	Payments

DOCUMENT RELATION TYPES

Code	Meaning
1	Cancelling document id – for whole document cancellation
2	Cancelling document number – for whole document cancellation

SERVICES ERROR MESSAGES

ERROR CODE	MEANING
10000	Invalid characters in terminal name or terminal name not found in system
10001	unknown document action
10002	unknown document type
10003	Invalid document date format or document date not allowed by regulation
10004	Vat percent not numeric
10005	Unsupported document language
10006	Unsupported response language
10007	Document base number for document type was not found in terminal settings
10008	Items total ILS amount differs from Payments total ILS amount – unsupported partial document coverage
10009	Invalid related document number
10010	Related document sent but missing relation type
10011	Invalid related document relation type
10100	Client id number not numeric
10101	Country code not ISO 2 letter code
10102	Invalid email format
10200	Unsupported or unknown item currency code
10201	Item name empty or contains illegal characters
10202	Unknown item type
10203	Item units' number must be numeric and greater than 0
10204	Unknown item unit type
10206	Item unit price not sent, or not numeric or empty
10208	Unknown item price type
10210	Item currency code not ILS but no exchange rate provided
10300	<FAILED_TO_CREATE_DOCUMENT>
10301	Terminal settings not found
10302	<FAILED_TO_CREATE_PDF_FILE>
10400	Unknown payment method
10401	Unsupported or unknown payment currency code
10402	Items not present although mandatory according to document type
10403	Payments not present although mandatory according to document type
10404	Payment currency code not ILS but no exchange rate provided
10405	Payment amount not sent, or not numeric or empty
10406	Invalid payment date format or payment date not allowed by regulation
10407	Unknown payment CC credit term
10408	Unknown payment CC brand
10500	Document financial status not found for document type
10501	Document update failed

10600	Unknown document id
10601	<DOCUMENT_ID_NOT_FOUND_IN_TABLE>
10602	<NO_FILE_FOUND_FOR_DOCUMENT>