



KONSISE

TAX INTEGRATION API

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About the Konsise Tax Integration API

The Konsise Tax Integration APIs provide a means for customers to be able to submit data into Konsise.

The API makes use of REST technology and JSON objects. Anyone performing an integration should be familiar with these technologies.

Currently the API allows submission of the following tax types:

- South Africa
 - VAT201

To interact with the Tax Integration API, customers need to purchase the module after which certain administrative functions will need to be performed in order to allow for the API to process requests.

All requests will require the Header and Body to be configured correctly.

Implementation

Customers will be enabled for the API upon email request.

After enabling the customer account for the Tax Integration API, Konsise will provide the URLs for connectivity as well as credentials for testing with.

Security Model

The Tax Integration API provides several layers of security which customers can make use of:

- API Key (mandatory)
- MachineIP (optional)

API Key

On purchasing the Tax Integration API module, the Konsise Administration team will issue an API Key to the customer. This key will be submitted with each request and validated.

MachineIP

If a dedicated machine is going to be used to upload data and customers would like to prevent any other machines within the network from uploading to the API, the MachineIP address can be sent as part of the header request. This security feature will need to be enabled by the Konsise Administration Team.

Request Configuration

Each request will need to submit:

- Required Headers
- Required Body parameters

Header Configuration

The header for all requests should be configured as below:

- Content-Type: application/text
- Accept: application/json
- APIKey: XXX
- TaxType: XXX
- MachineIP (Optional): XXXX
- UploadType: Body
- ERPName: XXX
- ERPVersionNum: XXX
- DataSource:0

API Key

Please use the Key provided on purchase of the module.

It is mandatory and requests which do not contain an API Key or contain the incorrect API Key will be rejected.

TaxType

The TaxType indicates the tax type that the information relates to. The values that will be accepted are:

- VAT

UploadType

The Upload type indicates the type of data which is being sent with the request – must be defaulted to “Body”.

ERPName

The ERPName should contain the name of the ERP from which the data originated for example SAP, SYSPRO.

ERPVersionNum

The ERPVersionNum should contain the version of the ERP for example 7.0.1.15

DataSource

The DataSource should be defaulted to 0 for all requests.

MachineIP (Optional)

If a dedicated internal machine is going to be used to upload data and customers would like to prevent any other machines within the network from uploading the MachineIP value can be set in the header.

The MachineIP will be submitted to the Konsise support team who will add the value to the Konsise configuration and ensure that it is part of the request validation process.

Body Configuration

The body is submitted as a JSON object. The configuration details are below:

Body Configuration

FIELD	DATATYPE	DESCRIPTION	MANDATORY
_1	Integer – up to 17 digits	Represents Line 1 on VAT201	Optional
_1A	Integer – up to 17 digits	Represents Line 1A on VAT201	Optional
_2	Integer – up to 17 digits	Represents Line 2 on VAT201	Optional
_2A	Integer – up to 17 digits	Represents Line 2A on VAT201	Optional
_3	Integer – up to 17 digits	Represents Line 3 on VAT201	Optional
_5	Integer – up to 17 digits	Represents Line 5 on VAT201	Optional
_7	Integer – up to 17 digits	Represents Line 7 on VAT201	Optional
_10	Integer – up to 17 digits	Represents Line 10 on VAT201	Optional
_12	Decimal – up to 15 digits before the point and exactly 2 digits after the point. E.g. 0 must be 0.00	Represents Line 12 on VAT201	Optional
_14	Decimal – up to 15 digits before the point and exactly 2 digits after the point. E.g. 0 must be 0.00	Represents Line 14 on VAT201	Optional
_14A	Decimal – up to 15 digits before the point and exactly 2 digits after the point. E.g. 0 must be 0.00	Represents Line 14A on VAT201	Optional
_15	Decimal – up to 15 digits before the point and exactly 2 digits after the point. E.g. 0 must be 0.00	Represents Line 15 on VAT201	Optional
_16	Decimal – up to 15 digits before the point and exactly 2 digits after the point. E.g. 0 must be 0.00	Represents Line 16 on VAT201	Optional
_17	Decimal – up to 15 digits before the point and exactly 2 digits after the point. E.g. 0 must be 0.00	Represents Line 17 on VAT201	Optional
_18	Decimal – up to 15 digits before the point and exactly 2 digits after the point. E.g. 0 must be 0.00	Represents Line 18 on VAT201	Optional

_21	Integer – up to 17 digits	Represents Line 21 on VAT201	Optional
_22	Integer – up to 17 digits	Represents Line 22 on VAT201	Optional
_26	Integer – up to 17 digits	Represents Line 26 on VAT201	Optional
_27	Integer – up to 17 digits	Represents Line 27 on VAT201	Optional
_30	Integer – up to 17 digits	Represents Line 30 on VAT201	Optional
_31	Integer – up to 17 digits	Represents Line 31 on VAT201	Optional
_34	Integer – up to 17 digits	Represents Line 34 on VAT201	Optional
_35	Integer – up to 17 digits	Represents Line 35 on VAT201	Optional
_VDP	String	Value is either Y or N	Optional
_VDPNumber	String	Must be a valid VDP number	Optional
_TaxPracRegNo	String	The tax practitioners registration number	Optional
_TaxPracTelNo	String	The tax practitioners telephone number	Optional
PeriodMonth		The month of the submission. Represented by a numeric value for example 3 would be submitted for Period Month of March. The month of submission must line up to a card inside Konsise	Mandatory
PeriodYear		The year of the submission. The year of submission must line up to a card inside Konsise	Mandatory
TaxRefNumber		This is the tax filing number that is used by the business with the revenue service for example the VAT number. This value must align with a Tax Filing that	Mandatory

		has created in Konsise.	
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Please note:

Although property “_1” to “_35” are optional -> at least one of these properties must be populated and submitted. If the submitted request does not contain one of these properties, the request will be rejected.

Example Body

The body should be configured as below:

```
{
  "_1": 241,
  "_1A": 2410,
  "_2": 242,
  "_2A": 2420,
  "_3": 243,
  "_5": 245,
  "_7": 247,
  "_10": 100,
  "_12": 1200.00,
  "_14": 300.00,
  "_14A": 300.00,
  "_15": 300.00,
  "_15A": 300.0,
  "_16": 300.00,
  "_17": 300.00,
  "_18": 300.00,
  "_21": 300,
  "_22": 300,
  "_26": 300,
  "_27": 300,
  "_30": 300,
  "_31": 300,
  "_34": 300,
  "_35": 300,
  "_VDP": "N",
  "_VDPNumber": "VDP0000000",
  "_TaxPracRegNo": "PR1234567",
  "_TaxPracTelNo": "0111234567890",
  "PeriodMonth": "2",
  "PeriodYear": "2021",
  "TaxRefNumber": "4520118078",
}
```

The JSON body should only include values which are required for the submission. For example if Lines 1, 2 and 15 are to be completed and sent to SARS the JSON Body will appear as follows:

```
{
  "_1": 241,
  "_2": 242,
  "_15": 300.00,
  "_VDP": "N",
  "_VDPNumber": "VDP0000000",
  "PeriodMonth": "2",
  "PeriodYear": "2021",
  "TaxRefNumber": "4520118078",
}
```

API Response Messages

The API will return the response with a body in the following structure:

```
{
  "result": "200",
  "message": "Success",
  "refID": "3e804669-647f-4914-a783-73900fa43bf3"
}
```

FIELD	DATATYPE	DESCRIPTION
result	String	Response code which will be either: <ul style="list-style-type: none"> • "200" for Successful submission • "400" for BadRequests where the submission has failed
message	String	Will contain the code relating to why the error occurred. Details of the result code are below.
refID	String	The reference to be quoted for any queries submitted to Konsise support team.

Bad Request - Messages

DATATYPE	DESCRIPTION
200	Success
400	Error has occurred with the process
301	Local Machine (private IP) mismatch
302	Public IP address mismatch
309	The json body is invalid
310	The request is missing a require header (APIKey/TaxType/UploadType/ERPName/ERPVersionNumber)
311	Invalid UploadType was given
312	Decryption is enabled but the body could not be decrypted
320	Invalid information sent in the json object – check the message for more details
340	The summary given could not be linked to any tax filing and period in Konsise
404	APIKey was not found in Konsise
500/501	General error occurred
550	Inserting the data into the Konsise system failed



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