Accounting ROBO API v1.2

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1 Accessing ROBO API

API URL: <SUBDOMAIN>.robolabs.lt/**<METHOD_URL>**

SUBDOMAIN – name used to log in to the system provided by RoboLabs.

METHOD_URL – selected API method for sending requests.

Example: *company*.robolabs.lt/*api/create_accounting_entries*

1.1 Authentication

RoboLabs provides a unique key which, when sending a request, may be passed using these methods:

- By passing it directly in the query using parameter *secret;*
- By passing it in the query header using parameter *x-api-key.*

Important: The key is not invoices API key. System administrators should be contacted in order to receive the unique key.

1.2 Testing environment

The testing environment is **general** - we strongly recommend using testing data only.

API URL: api.robolabs.lt

Key: SECRET

2 Executing API methods

2.1 Execution mode

API methods are executed either in threaded or in non-threaded mode. The mode is indicated by the parameter „Enable threaded API import“ in company settings.

If threaded mode is not enabled, the method is executed and the response is returned directly.

If threaded mode is enabled and the method may be run in threaded mode, a job is created to run in a periodic batch and execute the method.

If threaded mode is enabled, but the method should be run instantly, *BOOLEAN* type parameter *execute_immediately* should be passed in the query.

Response structure when method is run in threaded mode:

Response: Robo_response

Field	Type	Description
code	STRING	Request execution status. Status „200“ is returned if the request was executed successfully.
error	STRING	If the status is „200”, the field is empty. In case of an error, details of an exception are provided.
data	DICT	Job’s information is provided

Job’s information structure (*data*):

Field	Type	Description
api_job_id	INTEGER	Job identification number

2.2 Execution limitations

Execution of API methods is generally limited up to:

- 10 queries per minute;
- 500 queries per hour.

Accounting entries checking method is limited up to 1000 records per query.

3 API methods

3.1 Create accounting entries

Method: HTTP POST (JSON)

URL: /api/create_accounting_entries

Method description: create accounting entries in ROBO accounting application.

Threaded: Yes

3.1.1 Request structure

Field	Type	Required	Description
secret	STRING	Yes	Identification, unique number provided by RoboLabs
entries	ARRAY(DICT)	Yes	Accounting entries' information

Accounting entries' structure (*entries*):

Field	Type	Required	Description
partner_name	STRING	Yes	Partner name
is_company	BOOLEAN	No	Indication, if partner is a company
partner_code	STRING	Yes*	Company/person code; required if partner is a company
entry_name	STRING	Yes	Accounting entry name
reference	STRING	No	Accounting entry reference
account_code	STRING	Yes	General ledger account code
date	STRING	Yes	Accounting entry date
date_maturity	STRING	No	Accounting entry due date
debit	FLOAT	Yes*	Debit amount; debit or credit value should be provided
credit	FLOAT	Yes*	Credit amount; debit or credit value should be provided
currency	STRING(3)	Yes*	Currency ISO code; required if amount is not in company currency
amount_currency	FLOAT	Yes*	Amount in provided currency; required if currency is specified which is not company currency
analytic_code	STRING	No	Analytic account code
group_num	STRING	No	Accounting entries grouping identification
journal_code	STRING (5)	No	Entry journal code
journal_name	STRING	No	Entry journal name

Request example:

```
{
  "secret": "",
  "entries": [
    {
      "partner_name": "Client name X",
      "entry_name": "Entry name X",
      "debit": 165.0,
      "credit": 0.0,
      "account_code": "2410",
      "date": "2020-03-01"
    },
    {

      "partner_name": "Client name Y",
      "entry_name": "Entry name Y",
      "debit": 0.0,
      "credit": 0.0,
      "account_code": "2410",
      "date": "2020-03-01"
    },

  ]
}
```

3.1.2 Response structure

Field	Type	Description
status_code	STRING	Request execution status. Status „200“ is returned if the request was executed successfully.
error	STRING	If the status is „200”, the field is empty. In case of an error, details of an exception are provided.

3.2 Get accounting entries

Method: HTTP POST (JSON)

URL: /api/get_accounting_entries

Method description: accounting entries checking in ROBO accounting application.

Threaded: Yes

Accounting entries checking method is limited up to 1000 records per query.

3.2.1 Request structure

Field	Type	Required	Description
secret	STRING	Yes	Identification, unique number provided by RoboLabs
date_from	STRING	Taip	Accounting entry range start date, format YYYY-MM-DD
date_to	STRING	Taip	Accounting entry range end date, format YYYY-MM-DD

Request example:

```
{
  "secret": "",
  "date_from": "2020-01-01 00:00:00",
  "date_to": "2020-01-31 00:00:00"
}
```

3.2.1 Response structure

Field	Type	Description
status_code	STRING	Request execution status. Status „200“ is returned if the request was executed successfully.
error	STRING	If the status is „200”, the field is empty. In case of an error, details of an exception are provided.
data	ARRAY(DICT)	Accounting entries’ information is provided

Accounting entries’ information (*data*):

Field	Type	Description
name	STRING	Entry serial numbering value
reference	STRING	Entry reference
date	STRING	Entry date
journal_code	STRING	Journal code
journal_name	STRING	Journal name
state	STRING	Entry state
lines	ARRAY(DICT)	Entry lines’ information

Accounting entry lines' information (*lines*):

Field	Type	Description
name	STRING	Line name
account_code	STRING	Account code
partner_code	STRING	Partner code
partner_name	STRING	Partner name
analytic_code	STRING	Analytic code
debit	FLOAT	Amount debited
credit	FLOAT	Amount credited
date_maturity	STRING	Due date
currency	STRING	Currency
amount_currency	STRING	Amount in currency
a_class_code	STRING	A class code
b_class_code	STRING	B class code