TTReport Connect API

Version 1.0 beta

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TTReport Connect API allows any company to create profile and later add/remove barcodes associated with their products. The API is flexible enough to give opportunity to its users to generate company tokens and access other endpoints with it

Below you can see the abstract overview of the protocol in action.

Integration

In order for a 3rd party service to consume API’s services, a designated **client** secret should be requested by the following endpoint

(Note that all API endpoints expect data to be sent as JSON)

**Authorization and adding a company**

POST - /company

Example Request:

curl <https://ourdomain.com/api/company> \

-X POST \

-d

'{“reqeustId”:”d16509f6-62ef-4902-bba1-912960e00898”,”mainToken”:”d16509f6-62ef-4902-bba1-912960e00898”,”companyId”:”12345678aa”,”address”:”komitas 60, bld. 30”}'

If the request is successful the API will return a valid company token in

response which can be used to access other API endpoints

response example:

{

"company\_token": “fec1e6f2f6c078583756d0c09d7207750baea28dfbc3d4b0f2cb80",

"request\_id": “d16509f6-62ef-4902-bba1-912960e00898",

"status": 200

}

In case of authorization failure status code 401 will be returned, if the request body is missing a property or contains errors – typos etc., status code 400 will be returned

**Refreshing company token**

PUT - /company

To refresh a company token send the old token to this endpoint,if the request is successful, the token will be regenerated and the API will respond with the newly generated token

Example Request:

curl <https://ourdomain.com/api/company> \

-X PUT \

-d

'{“reqeustId”:”d16509f6-62ef-4902-bba1-912960e00898”,”companyToken”:”346s45dh545-62ef-4902-bba1-912960e00898”}'

response example:

{

"new\_company\_token": “fec1e6f2f6c078583756d0c09d7207750baea28dfbc3d4b0f2cb80",

"request\_id": “d16509f6-62ef-4902-bba1-912960e00898",

"status": 200

}

In case of failure status code 401 will be returned

**Adding barcodes**

POST - /barcode

To add barcodes send a request to this endpoint specifying the company’s token,barcodes you are willing to register and the product’s code to which the barcodes are assigned. If the request is successful the API will return the product’s id which you should use to update or delete barcodes

associated with this particular product, and if the system failed to register some barcodes, a list of that barcodes shall also be returned(the product still will be saved if the authorization was successful). You can also specify a description for your product by specifying productDescription property in the request body.

Example Request:

curl <https://ourdomain.com/api/barcode> \

-X POST \

-d

'{“reqeustId”:”d16509f6-62ef-4902-bba1-912960e00898”,”companyToken”:”346s45dh545-62ef-4902-bba1-912960e00898”,”barcodes”:[11,22,33,44,55,66,77,88,99,00],”productCode”:”Cars”}'

response example:

{

"barcode\_list": [11,88],

“product\_id”: 1,

"request\_id": “d16509f6-62ef-4902-bba1-912960e00898",

"status": 200

}

In case of authorization failure status code 401 will be returned, if the request body is missing a property or contains errors status code 400 will be returned

**Updating barcodes**

POST - /barcode/id

To update the barcode list associated with a product, specify the product id that you got when first registering the barcodes in the request url and send the company token and the list of additional barcodes to this endpoint. If the request is successful, the API will respond with status code 200 and a list containing barcodes that the system failed to save(if any are present)

Example Request:

curl <https://ourdomain.com/api/barcode>/1 \

-X POST \

-d

'{“reqeustId”:”d16509f6-62ef-4902-bba1-912960e00898”,”companyToken”:”346s45dh545-62ef-4902-bba1-912960e00898”,”barcodes”:[11,22,33,44,55,66,77,88,99,00]}'

response example:

{

"barcode\_list": [11,88],

"request\_id": “d16509f6-62ef-4902-bba1-912960e00898",

"status": 200

}

In case of authorization failure status code 401 will be returned, if the request body is missing a property or if you try to update barcodes of a product that isn’t registered etc., status code 400 will be returned

**Deleting barcodes**

PUT - /barcode/id

To delete barcodes, specify the product’s id to which they belong in the request url and send to this endpoint the company token and the barcodes you wish to delete. If the request is successful, the API will respond with status code 200 and a list containing barcodes that the system failed to delete(if any are present)

Example Request:

curl <https://ourdomain.com/api/barcode>/1 \

-X PUT \

-d

'{“reqeustId”:”d16509f6-62ef-4902-bba1-912960e00898”,”companyToken”:”346s45dh545-62ef-4902-bba1-912960e00898”,”barcodes”:[11,22,33,44,55,66,77,88,99,00]}'

response example:

{

"barcode\_list": [11,88],

"request\_id": “d16509f6-62ef-4902-bba1-912960e00898",

"status": 200

}

In case of authorization failure status code 401 will be returned, if the request body is missing a property or if you try to delete barcodes that do not exist etc., status code 400 will be returned

Error Codes

**Error Id. Code Description**

invalid\_token 401 Unable to verify given access token

invalid\_action 400 Unable to proceed action