

Differences between figo API version 2 & 3

Preamble

Reference

- [figo Connect API v2 docs](#)
- [figo Connect API v3 docs](#)

General

Error responses

For HTTP status `4XX` & `500`

- `error.message` field is removed
- `error.name` field is removed
- `error.data` field may contain detailed information

Examples

Request

```
POST /rest/accounts
{
  "bank_code": 1,
  "credentials": ["foo"]
}
```

V2 Response (old)

```
{
  "status": 400,
  "error": {
    "code": 90000,
    "group": null,
    "name": "HTTPClientError",
    "message": "invalid_request",
    "data": {},
    "description": "invalid bank code"
  }
}
```

V3 Response (new)

```
HTTP status = 400
{
  "error": {
    "code": 1000,
    "data": {
      "bank_code": ["Not a valid string."],
      "credentials": ["Credentials must contain at least 2 strings."]
    },
    "description": "Request body doesn't match input schema.",
    "group": "client"
  }
}
```

Request

```
GET /foo
```

Response V2 (old)

```
{
  "error": {
    "code": null,
    "data": {},
    "description": null,
    "group": "unknown",
    "message": "Not Found",
    "name": "Not Found"
  },
  "status": 404
}
```

Response V3 (new)

```
HTTP status = 404
{
  "error": {
    "code": 1002,
    "data": {},
    "description": "Not Found",
    "group": "client"
  }
}
```

Input/Request validation

- If a field is given its value must conform to the format.
- A field must be omitted (if it's not required) if no appropriate value can be provided.

Examples

Incorrect

```
{
  "iban": "ABC1234567890"
}

{
  "iban": null
}

{
  "iban": ""
}
```

Correct

```
{
  "iban": "DE34300209005350343602"
}
```

Incorrect

```
GET /rest/accounts/A12345.6/transactions?since
```

Correct

```
GET /rest/accounts/A12345.6/transactions?since=2018-03-01T13:37:00
```

New error codes

| Group | Code | Description |
|--------|-------|------------------------------|
| Client | 1000 | Invalid request |
| Client | 1001 | Entry already exists |
| Client | 1002 | Entity not found |
| Client | 1003 | Unauthorized |
| Client | 1004 | Invalid client authorization |
| Client | 1005 | Payment already processed |
| Client | 1006 | Unprocessable entity |
| Client | 1007 | Forbidden |
| figo | 30005 | Task expired |

Deprecated error codes

| Group | Code | Description | Substitution |
|-------|-------|---------------------------|--------------|
| figo | 30001 | invalid language code | 1000 |
| figo | 30002 | username already exists | 1001 |
| figo | 30003 | username policy violation | 1000 |
| figo | 30004 | missing parameter | 1000 |
| figo | 40001 | bank unknown | 40000 |
| figo | 40002 | service not supported | 40000 |
| figo | 40003 | service unkown | 40000 |

Endpoint specific changes

POST /auth/user

- Parameter `email` must be a valid email.
Reason: Validation

GET /rest/[accounts/<account_id>/transactions

- Parameter `cents` honors "falsy" (`false`, `0`) values.
Reason: Bugfix
Example: `.../transactions?cents=false`

POST /rest/accounts

- An invalid `scope` will result in HTTP status `403` (was `401`).
Reason: Bugfix, authentication was successful but not authorization. [More info](#).

- The length of the field `credentials` is validated and must be greater or equal to two.
Reason: There is currently no possibility to provide a pin during a register task.
- The field `bank_code` takes precedence over the field `iban`.
Reason: The `bank_code` of an `iban` may be different to the domestic `bank_code` of a Bank.

`GET /rest/banks/<bank_id>`

- Response field `bank_id` is now in the form of `B<user_id>.<bank_id>`.
Reason: Bugfix Example:

```
{  
  "bank_id": "B123.2"  
}
```