2.

MicroEdge API

API Usage

Organization

What it can do
- Get organization(s)

- Update **TaxID** and **VendorNo** fields

What it cannot do
- Modify organization

All fields: https://ukdocs.api.microedge.com/#organization

Contact

What it can do
- Get contact(s)

What it cannot do
- Modify contacts

All fields: https://ukdocs.api.microedge.com/#contact

Requests

What it can do
- Get request(s)
  - ID
  - Search criteria (e.g. date)
- Update custom fields

What it cannot do
- Modify requests

Search criteria: https://ukdocs.api.microedge.com/#getrequests

All fields: https://ukdocs.api.microedge.com/#request

Payments

What it can do

- Get payment(s)
  - ID
  - Search criteria
    (e.g. date)

- Get scheduled payments
  - for approved Requests in a specified
    Schedule Date range.

Payments

What it can do

- Pay payment a scheduled payment
  - changing its status to **paid**
  - setting the **payment date**, **check number**,
    and **notes** of the payment.

- Cancel payment
  - Cancel a scheduled Payment, changing its
    status to **cancelled**.

Payments

What it can do

- Void a paid Payment
  - creating a new Payment with a status of
    void and a negative amount.

Payments

What it can do

- Refund a paid payment
  - creating a new Payment with a status of
    refund with
    - **specified amount**
    - **fiscal year**
    - **schedule date**
    - **payment date**

Payments

NOTE: In order to create a refund payment, it must
- Belong to an approved request with a grant amount exceeding the total payment amount by the amount of the refund payment.

- Also, the new refund payment must not belong to a budget in which its request type or the default payment type require budget appropriation.

Payments

What it cannot do
- Get bank details (account no, sort code)
- Create a payment

Requirement

What it can do
- Get requirement(s)
  - ID
  - Search Criteria

What it cannot do
- Modify requirement

All fields: https://ukdocs.api.microedge.com/#requirement

To Do

What it can do
- Get Todo(s)
  - ID
  - Search Criteria

What it cannot do
- Modify Todo

All fields: https://ukdocs.api.microedge.com/#to-do

3.

Errors

Validation
Verification

Common errors

The client and server cannot communicate, because they do not possess a common algorithm

- BlackBaud GrantMaking API uses **TLS 1.1**, **TLS 1.2**. Connecting using **TLS 1.0** causes this error.
- **TLS 1.0** was deprecated as of March 2018

Common errors

403: Out of call volume quota. Quota will be replenished in hh:mm:ss

- **403 Forbidden error** is an HTTP status code which means that accessing the resource is absolutely forbidden

- The account, (from the API key) has made the maximum number of requests - per **second (20)** or per **24 hours (10,000)**

Pay Payment errors

- Cannot be **red-locked** by another user (locked from gifts Online)

- The Payment must have:
  - a status of **Scheduled**
  - the associated Request must have the **disposition of Approved** to be marked as paid

Pay Payment errors

- Requires **Budget year** for **Payments fiscal year**

- Requires a **Budget Appropriation**

Void Payment errors

- Payment ID cannot be **zero**

- Requires status to be **void**

- Cannot be voided **more than once**

- Cannot be **red-locked** by another user(locked from gifts Online)

Cancel Payment errors

- Status must be **scheduled** or **hold**

- Cannot be **red-locked** by another user

Refund Payment errors

- The new Refund payment **cannot refund more** than the chosen Payment.

- The chosen payment must have a **positive balance** *(there must be something to Refund).*

Organization errors

- Vendor Number cannot be more than **20 characters**

- Tax ID cannot be more than **20 characters**

END