Published API

All these api calls are HTTPS only and rooted at your tenant. For example: `https://your-tenant.pathfinderedge.com/api/v1/profiles` .

Security

The Edge api uses api keys to provide authentication. Users generate their own keys using their tenant on the Pathfinder Edge website. Using an admin account, login to a tenant and navigate to Admin -> Api Keys. From there you can view and create keys. Eventually, you will be able to revoke/delete them here as well.

Api keys are a roughly 40 character string. This key should be embedded into the `Authorization` header, verbatim. Here is an example http post to create a new profile using the web api.

```
POST /api/v1/profiles HTTP/1.1
Host: ams-test.pathfinderedge.com
Authorization: OQNRuUVWSEcyMkJZSEhYSlg3SEEHoTdMMzZ9SlA4
Content-Type: application/json
Cache-Control: no-cache

{
  "profileName": "A Sample Profile",
  "description": "Quite nifty",
  "owningCatalogId": 1,
  "category": "Quirky Parts",
  "subCategory": "Awkward",
  "features": [
    {"type":"Straight", "length":0.5},
    {"type":"OpenHem", "hemHeight": 0.25, "hemDirection":"Negative"},
    {"type":"Straight", "length":10},
    {"type":"Angle", "angle": 90.0},
    {"type":"Straight", "length":10},
    {"type":"TearDropHem", "hemDirection":"Positive"},
    {"type":"Straight", "length":0.5}
  ]
}
```

The api key, `OQNRuUVWSEcyMkJZSEhYSlg3SEEHoTdMMzZ9SlA4` , is the api key.

List Profiles

Returns list of profiles in json format.

- **URL**

  `/api/v1/profiles`

- **Method:**

  `GET`

- **Data Params**

  None

- **Success Response:**

  - **Code:** 200
    Content:

```
[{
  "profileId": 10001,
  "profileName": "test1",
  "description": "A sample profile",
  "owningCatalogId": 1,
  "category": "",
  "subCategory": "",
  "blankWidth": 4.75,
  "bendCount": 3,
  "hemCount": 1
}, ... ]
```

- **Error Response:**

  - **Code:** 401 UNAUTHORIZED
    Content: `{ error : "You are unauthorized to make this request." }`

Get Profile

Returns single profile in json format.

- **URL**

  `/api/v1/profiles/:id`

- **Method:**

  `GET`

- **URL Params**

  Required:

  - `id=[someidvalue]` Profile Id

- **Data Params**

  None

- **Success Response:**

  - **Code:** 200
    Content:

    ```
    {
      "profileId": 10001,
      "profileName": "test1",
      "owningCatalogId": 1,
      "category": "",
      "subCategory": "",
      "blankWidth": 4.75,
      "bendCount": 3,
      "hemCount": 1
    }
    ```

- **Error Response:**

  - **Code:** 401 UNAUTHORIZED
    Content: `{ error : "You are unauthorized to make this request." }`

- **Code:** 404 NOT FOUND
  Content: `{ error : "Profile doesn't exist." }`

Post Profile

Create a new profile.

- **URL**

  `/api/v1/profiles`

- **Method:**

  `POST`

- **Data Params**

  A profile object in json format, in the body. See profile-object.md for details on the json format.

- **Success Response:**

  - **Code:** 200
    Content:

```
{
  "profileId": 10001,
  "profileName": "test1",
  "owningCatalogId": 1,
  "category": "",
  "subCategory": "",
  "blankWidth": 4.75,
  "bendCount": 3,
  "hemCount": 1
}
```

Upon successfully posting a new profile, the profile header data is echoed back. `profileId` will be assigned by the server, and can be used to fetch the header details for this profile later.

- **Error Response:**

  - **Code:** 401 UNAUTHORIZED
    Content: `{ error : "You are unauthorized to make this request." }`

  - **Code:** 400 BAD REQUEST
    Content: `[ "Hems must have a hemDirection of 'Positive' or 'Negative'.", "Radius bends require a non-negative radius." ]`

Bad request errors mean the profile data failed validation. It will be a list of messages that hopefully highlight the problem.

Delete Profile

Remove the profile from the catalog.

- **URL**

  `/api/v1/profiles/:id`

- **Method:**

  `DELETE`

- **URL Params**

  Required:

  - `id=[someidvalue]` Profile Id

- **Data Params**

  None

- **Success Response:**

  - **Code:** 200
    Content:

  None

- **Error Response:**

  - **Code:** 401 UNAUTHORIZED
    Content: `{ error : "You are unauthorized to make this request." }`

  - **Code:** 404 NOT FOUND
    Content: `{ error : "Profile doesn't exist." }`

List Catalogs

Returns list of catalogs in json format.

- **URL**

  /api/v1/catalogs

- **Method:**

  `GET`

- **URL Params**

  None

- **Data Params**

  None

- **Success Response:**

  - **Code:** 200
    Content:

    ```
    [{
      "catalogId": 1,
      "catalogName": "Standards"
    }, ... ]
    ```

- **Error Response:**

- **Code:** 401 UNAUTHORIZED
  Content: `{ error : "You are unauthorized to make this request." }`