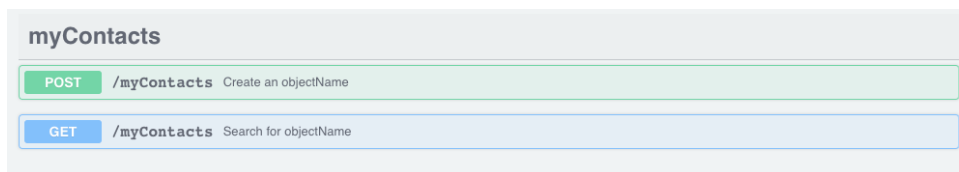


Files Connector Supported API Methods and Limits

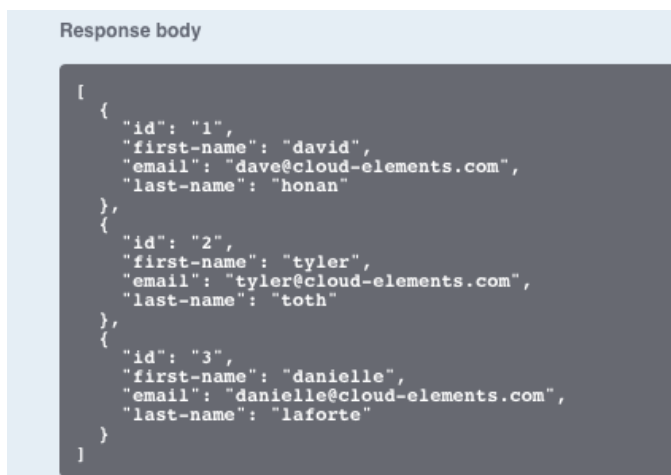
Last Modified on 02/08/2021 6:07 pm EST

GET /objectName

After you upload a file with an objectName, the file is added as a resource. You can then use GET /objectName method to GET data rows. For example, if you entered myContacts as the objectName, it gets added as a resource.



Performing a GET /mycontacts will therefore give you results as shown below; hence, you get the data you required.



You can also set the pageSize and nextPage while making this API call. The pageSize is set to 200 by default, and the nextPage token can be taken from the response body.

myContacts

POST /myContacts Create an objectName

GET /myContacts Search for objectName

Parameters Cancel

Name	Description
Authorization * required string (header)	The authorization tokens. The format for the header value is 'Element <token>. User <user secret> User YR6dyT4gh57HxVU3VVeKgD16kNZzqQLP17A,
pageSize string (int32) (query)	The number of resources to return in a given page 2
nextPage string (query)	The next page cursor, taken from the response header: e1emnts-next-page-token eyJwYWUwZS86MwGFrZS6Me0

Execute Clear

Show Model Response content type application/json

Curl

```
curl -s GET "https://snapshot.cloud-elements.com/elements/api-v2/myContacts?pageSize=2&nextPage=eyJwYWUwZS86MwGFrZS6Me0" -H "accept: application/json" -H "Authorization: User YR6dyT4gh57HxVU3VVeKgD16kNZzqQLP17A, Organization 42ba31ae160127bb7c86a763a027c6, Element 8f230978b7y/c0q13zq100k8oat8i1iifbuve"
```

Request URL

```
https://snapshot.cloud-elements.com/elements/api-v2/myContacts?pageSize=2&nextPage=eyJwYWUwZS86MwGFrZS6Me0
```

Server response

Code 200 Details

Response body Select All Copy Download

```
{
  "id": 3,
  "first-name": "Danielle",
  "email": "danielle@cloud-elements.com",
  "last-name": "Laforte"
},
{
  "id": 4,
  "first-name": "Quater",
  "email": "quater@cloud-elements.com",
  "last-name": "De Souter"
}
```

Response headers

```
content-type: application/json;charset=UTF-8
elements-next-page-token: eyJwYWUwZS86MwGFrZS6Me0
elements-request-id: 3213d9f0e4b0747a7898a2e
elements-external-count: 2
```

GET /files

Using this method you can get all the metadata related to your file. The response will look as shown below.

Response body Select All Copy Download

```
{
  "objectName": "accounts",
  "metadata": {
    "name": "accounts",
    "type": "TABLE",
    "columns": [
      {
        "name": "account_number",
        "typeName": "string",
        "nullable": false,
        "autoIncrement": false,
        "primaryKey": false
      }
    ]
  },
  "filename": "227246.csv",
  "id": "a08b35ba-7a2d-46fe-ae02-70957a7f790e",
  "fileType": "csv"
}
```

You can modify the metadata to change the file data type depending on your requirements.

Edit the **"typeName"** field shown in the above image.

This field is set to "string" by default, but CE also supports "number", "boolean" and "date" as valid entries.

GET /files/{id}

You can make this API call to download the current version of the file.

1. Use **GET /files** for the file id.

```
Response body [ Select All Copy Download ]
[
  {
    "objectName": "accounts",
    "metadata": {
      "name": "accounts",
      "type": "TABLE",
      "columns": [
        {
          "name": "account_number",
          "typeName": "string",
          "nullable": false,
          "autoIncrement": false,
          "primaryKey": false
        }
      ]
    },
    "filename": "227246.csv",
    "id": "a08b35ba-7a2d-46fe-ae02-70957a7f790e",
    "fileType": "csv"
  }
]
```

2. Enter this id in the required field while using the GET /files/{id} method.

3. Download the file.

```
Request URL
https://snapshot.cloud-elements.com/elements/api-v2/files/a08b35ba-7a2d-46fe-ae02-70957a7f790e

Server response
Code      Details
200      Response Body
          Download file
          Response headers
          content-disposition: attachment; filename=files
          content-type: text/plain; charset=UTF-8
          elements-request-id: 5d370750e4b0bfddc4b20420
```

The downloaded file will be in the same format as that of the file you uploaded and have the same name.

POST /objectName

Append data rows using the POST /objectName method.

For example, for a resource named /myContacts, perform **POST /myContacts** and provide the information that needs to be added as the object body, as shown below.

```
myContacts
POST /myContacts Create an objectName
Parameters [ Cancel ]
Name      Description
Authorization * required
string    The authorization tokens. The format for the header value is 'Element <tokens>, User <user secret>'
(header)  User YPp6yT4gCHS7hKVUgVVolgD16kXN2zqGILP7A=
myContacts * required
(body)    The object body
          Edit Value | Model
          {
            "id": "4",
            "first-name": "Gunter",
            "email": "gunter@cloud-elements.com",
            "last-name": "De Soutef"
          }
          [ Cancel ]
          Parameter content type
          application/json
          [ Execute ]
```

Click 'Execute' to see the data that you added in the response body.

```

Curl
curl -X POST "https://snapshot.cloud-elements.com/elements/api-v2/myContacts" -H "accept: application/json" -H "Authorization: User YRpb6yT4gcHS7i+KVUI3fvVolcgD16kXN2zqGjLPI7A=" -H "Content-Type: application/json" -d '{"id": "4", "first-name": "Gunter", "email": "gunter@cloud-elements.com", "last-name": "De Souter"}'

Request URL
https://snapshot.cloud-elements.com/elements/api-v2/myContacts

Server response
Code      Details
200
Response body
{
  "id": "4",
  "email": "gunter@cloud-elements.com",
  "first-name": "Gunter",
  "last-name": "De Souter"
}

Response headers
content-type: application/json;charset=UTF-8
elements-request-id: 2d81a24e4b0747d785559b

```

Note: POST/object created from the POST/files API accepts extra fields apart from the ones defined in the model for that specific object though they are not present in the response body for the GET/object call.

PUT /files/{id}/metadata

This method can be used to update the metadata of your file. As of now, you can only modify the "typeName" field to change the data type from its default type - "string" to other data types supported by CE such as "number", "boolean" or "date".

In the example shown below, we are modifying the "typeName" field from "string" to "integer" for the resource 'myContacts'.

The screenshot shows the metadata update interface for a file. The 'objectName' field is set to 'myContacts'. The 'body' field contains a JSON object with the following structure:

```

{
  "columns": [
    {
      "name": "id",
      "typeName": "number",
      "nullable": false,
      "autoIncrement": false,
      "primaryKey": false
    },
    {
      "name": "first-name",
      "typeName": "string",
      "nullable": false,
      "autoIncrement": false,
      "primaryKey": false
    },
    {
      "name": "last-name",
      "typeName": "string",
      "nullable": false,
      "autoIncrement": false
    }
  ]
}

```

A red arrow points to the 'typeName' field for 'id', which is set to 'number'. The 'Parameter content type' is set to 'application/json'.

You have now updated the metadata of your file such that the data type is set to "number".

Files Connector Limits

The maximum file size for an individual file used with the Files connector is 100 MB; however, there is no limit to the number of files a given connector instance can support.