

Encoura™ Data Lab File Export API Documentation

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This documentation provides instruction for interacting with Encoura Data Lab's Application Programming Interface (API) for the purposes of downloading files from Encoura Data Lab.

All APIs are accessible only with proper authorization. If you have not received your **user name**, **password**, **OrganizationId**, and **apiKey** from ACT | NRCCUA, please contact support@encoura.org.

All APIs provide JSON responses (except where noted) and expect valid JSON content for the body of any POST request. All URLs provided in this documentation are for the production environment. The API exists at "https://api.datalab.nrccua.org/v1".

AUTHENTICATION

API Key

Every request must be invoked with the "x-api-key" property set to the apiKey in the request header. For example, if your apiKey = aNgKsb3PSB4bx9c68iRWeaGfufzj2Vuz6qenwor1, all requests should include the following HTTP header. Your specific apiKey will be provided by your Encoura representative, or Member Support.

Example with curl:

```
curl -H "x-api-key: aNgKsb3PSB4bx9c68iRWeaGfufzj2Vuz6qenwor1" -k
"https://api.datalab.nrccua.org/v1/datacenter/exports?productKey=score-
reporter"
```

Authentication Service

Before interacting with any API, you must be authenticated in the Encoura Data Lab system. After successful authentication, you will be provided a sessionToken which must be provided in the "Authorization" header with all future requests.

"Authorization": "JWT <token>"

Request

```
POST - "https://api.datalab.nrccua.org/v1/login"

BODY
{
  "userName": "sampleuniversity0",
  "password": "password",
  "acceptedTerms": true (this should always be true)
}
```

Response

```

BODY
{
  "user": {
    "uid": "1e6c6d8e-af30-43ca-a519-395734701eba",
    "type": "User",
    "userName": "string",
    "firstName": "string",
    "lastName": "string",
    "email": "string",
    "status": "Active",
    "organizations": [
      {
        "uid": "1e6c6d8e-af30-43ca-a519-395734701eba",
        "name": "Sample University",
        "fice": "SAMPLE",
        "stateCode": "MO"
      }
    ],
    "attributes": [
      {
        "key": "string",
        "value": {} // could vary based on attribute requirements
      }
    ]
  },
  "sessionToken": "Base64 string"
}

```

Organization Id

When you log in, you will receive a list of organizations with which your user name is associated. This can be found in the organizations array returned upon successful authentication. This must be included in a header for any subsequent requests listed below. The header should read as follows:

"Organization": "<uid>"

Refresh Token

This sessionToken is valid for 20 minutes. If your session must last more than 20 minutes, you must call the "refreshToken" endpoint to obtain a new sessionToken. Include "old" sessionToken in the "Authorization" header - "Authorization": "JWT <token>"

Request

```
GET - "https://api.datalab.nrccua.org/v1/refresh-token"
```

Response

```

BODY
{
  "sessionToken": "string"
}

```

FILE EXPORT APIs

Get List of New Files for Export

This will return a list of all files that have not been previously exported from Encoura Data Lab. In the example, only ACT Score Report files will be returned.

Request

```
GET - "https://api.datalab.nrccua.org/v1/datacenter/exports"
```

URL Parameters:

```
productKey=score-reporter
```

```
status=NotDelivered
```

Response

BODY

```
[{
  "uid": "1e6c6d8e-af30-43ca-a519-395734701eba",
  "fice": "SAMPLE",
  "organizationUid": "1e6c6d8e-af30-43ca-a519-395734701eba",
  "productKey": "score-reporter",
  "purchaseItems": [],
  "status": "NotDelivered",
  "listGenerated": true,
  "listPath": "1e6c6d8e-af30-43ca-a519-395734701eba",
  "quantity": 186,
  "costInPoints": 0,
  "costInDollars": 0,
  "date": 1565200372962,
  "deliveries": [],
  "created": {
    "createdBy": {
      "uid": "1e6c6d8e-af30-43ca-a519-395734701eba",
      "name": "",
      "type": ""
    },
    "createdAt": 1565200372962
  },
  "isExpired": false,
  "overdueEmailSentAt": 1565863231480,
  "isContinuous": false
}]
```

Get Individual Export File

Request

```
GET - "https://api.datalab.nrccua.org/v1/datacenter/exports/<uid>/download"  
      <uid> = (this is the "uid" from previous request)
```

URL Parameters:

filetype=txt (only txt is available for Score Report API downloads)

Response

```
BODY {  
  downloadUrl: "string" (one time use only download url)  
}
```