Calling the Importer API

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Flintfox for all ERPs now not only provides a facility to load data into it, but with v5.0 also allows automation of the whole procedure using an API.

Below are some examples of scripts that may be used to call the Importer API.
Examples of a Swagger document and a Swagger JSON file may be obtained using the following links

- a readable Swagger document
- a Swagger JSON file

Authorization

Authorization details depend on whether connecting to AD or RMx–Auth. The example below is for RMx local authentication.

Request header

Always use this value for Authorization: Basic ZmZfZGV2OnNlY3JldA==

Request Body

Calling the Importer API

The API behaves in the same manner as the UI importer.
That is, providing the API with a CSV data file and a JSON template, will queue the import job for processing at the next opportunity.

If the import job submission is successful the calling application will receive the following result:

```
{
"job":600023,
"code":"JOB-000009419",
"status":"Loaded",
"jobType":"Import",
"scheduledOn":"2023-02-15T04:14:22.5180526",
"error":null
}
```

Examples

Examples of some scripts that may be used to call the importer API are as follows:

Note: A Bearer token is required to be passed to the API endpoint, and in the examples below has been truncated (to ey...) for security reasons and to reduce the size of the examples.

Curl Example:

```
curl --location --request POST '/api/v1/qa/22565420944/Import/ImportWithConfig' \
--header 'Authorization: Bearer ey...' \
--form 'configFile=@"/C:/Users/fdagg/OneDrive - Flintfox/imports/custom.json"' \
--form 'dataFile=@"/C:/Users/fdagg/OneDrive - Flintfox/imports/Product Full Load WCC-2-500 recs-400-499-60.csv"'
```

C# Example:

```
var options =new RestClientOptions()
{
  MaxTimeout =-1,
};
var client =new RestClient(options);
var request =new RestRequest("/api/v1/qa/22565420944/Import/ImportWithConfig", Method.Post);
request.AddHeader("Authorization","Bearer ey...");
request.AlwaysMultipartFormData =true;
request.AddFile("configFile","/C:/Users/fdagg/OneDrive - Flintfox/imports/custom.json");
request.AddFile("dataFile","/C:/Users/fdagg/OneDrive - Flintfox/imports/Product Full Load WCC-2-500 recs-400-499-60.csv");
RestResponse response =await client.ExecuteAsync(request);
Console.WriteLine(response.Content);
```

JQuery example:

```javascript
var form = new FormData();
form.append("configFile", fileInput.files[0], "/C:/Users/fdagg/OneDrive - Flintfox/imports/custom.json");
form.append("dataFile", fileInput.files[0], "/C:/Users/fdagg/OneDrive - Flintfox/imports/Product Full Load WCC-2-500 recs-400-499-60.csv");

var settings = {
"url": /api/v1/qa/22565420944/Import/ImportWithConfig,
"method": "POST",
"timeout": 0,
"headers": {
"Authorization": "Bearer ey…"
 },
"processData": false,
"mimeType": "multipart/form-data",
"contentType": false,
"data": form
};

$.ajax(settings).done(function (response) {
console.log(response);
});
```