Report API - CSV response

Clarifruit offers a CSV response API. This is a great baseline integrating with BI tools like Power BI, Tableau, and others.

Here is how the magic happens:

• First to go Admin \rightarrow Integration \rightarrow API.

(At the moment this is accessible for Clarifruit only, soon to be exposed to our admins)

	M DASHBOARD REPORTS SPEC PHOTOS Clariffuit Sales Demo 🗸 🔯 😰 🗗
Settings	Lifecycle Events Mapping API
General Config	API documentation can be found here: https://api.clarifruit.com
Produce Config	Your company ld: 782853
Users	Sample code:
Admin	Shell curlrequest GET \url 'https://oublic-services.clarifruit.com/api/report?companyId= <your_company_id>&reportId=<your_report_id>' \url 'https://oublic-services.clarifruit.com/api/report?companyId=<your_company_id>&reportId=<your_report_id>' \</your_report_id></your_company_id></your_report_id></your_company_id>
Companies	header 'X-Api-Key: PUT_YOUR_TOKEN_HERE'
Stats	Python import requests
Integration	params = { "companyId":"YOUR_CONPANY_ID" "report/id":"YOUR_REPORT_ID"
	<pre>} ' - ' - ' - ' - ' - ' - ' - ' - ' - '</pre>

• Now, on this page, all you have to do is choose the relevant report from your report list.

If you don't have any saved reports, please go ahead and create your report from the reports tab.

· Now, once choosing the relevant report, the Shell command would get updated automatically with the selected report ID.

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Lifecycle Events	Mapping	API	
API documentation can	be found here: ht	tps://api.clarifruit.com	
Your company Id: 7828	53	,	
Sample code:			
Shell curlrequest GE url 'https://pu header 'X-Api-K	T \ blic-services.c ey: PUT_YOUR_TO	larifruit.com/api/repor KEN_HERE'	t?companyId=782853&reportId=64d279afc6150d368220ea98' \
<pre>Python import requests params = { "companyId":"782 "reportId":"64d2 } headers = { "X-Ap response = reques print(response.te</pre>	853" 79afc6150d36822 i-Key": "PUT_YO ts.request("GET xt)	0ea98" UR_TOKEN_HERE" }' ", "https://public-serv	<pre>ices.clarifruit.com/api/report", headers=headers, params=params)</pre>
API - CSV Reports - Ple It is recommended lock Search for saved reports × default	ase select a repor ing the report you	t from the list: select here, to avoid uninto	ended changes
- https://public-serv	ices.clarifruit.com	a/api/report?companyId=78	2853&reportId=64d279afc6150d368220ea98

- All you need to do now is copy the curl request and use it in the destination platform.
- Please make sure to use your token, and put it in the right place.
- Here, you need to put your token that belongs to your API user account, provided to you by Clarifruit.

--header 'X-Api-Key: PUT_YOUR_TOKEN_HERE'

• You can test your example with API platforms like Postman, and Insomnia.

With Insomnia it's the easiest, all you need to do is copy the curl from Clarifruit and paste it.

• Copy this curl request:

Lifecycle Events Mapping API	
API documentation can be found here: https://api.clarifruit.com	
Your company ld: 782853	
Sample code:	
Shell curlrequest GET \ url 'https://public-services.clarifruit.com/api/report?companyId=782853&reportId=64d279afc6150d368220ea98' \ header 'X-Api-Key: PUT_YOUR_TOKEN_HERE'	
<pre>Python import requests params = { "companyId":"782853" "reportId":"64d279afc6150d368220ea98" } headers = { "X-Api-Key": "PUT_YOUR_TOKEN_HERE" }' response = requests.request("GET", "https://public-services.clarifruit.com/api/report", headers=headers, params=param print(response.text)</pre>	ms)
API - CSV Reports - Please select a report from the list: It is recommended locking the report you select here, to avoid unintended changes Search for saved reports	

• Paste it here:

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Applicati	on File Edit View Window Tools Help			
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Paste Curl to import request	×
<pre>1 curlrequest GET \ 2url 'https://public-services.clarifruit.com/api/report? companyId=782853&reportId=644279afc6150d368220ea98' \ 3header 'X-Api-Key: PUT_YOUR_TOKEN_HERE'</pre>	
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GET - https://public-services.clarifruit.com/api/report	Send 🔻
Body ▼ Auth ▼ Query ^[2] Headers ^[1] Docs	
Add Delete All Toggle Description	
X-Api-Key PUT_YOUR_TOKEN_HERE	☑ 亩

- Go to the headers and replace the token value.
- That's it, you can click Send, and you should get your results like here.

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				6562d113b8	cd9033c7b90e8f	Approved	Apples	Common Red Apple	="My Sweet Apples"	Apples	Common Red Apple	26/11/2023	07:0		
				6562d1144a	5284189513b9f0	Approved	Apples	Common Red Apple	="My Sweet Apples 2"	Apples	Common Red Apple		07:0		
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				6562d120b8	cd9033c7b90f3c	Completed	Grapes	Sweet	="My Sweet	Grapes	Sweet	26/11/2023	07:0		

Now let's see how to connect to Power BI using our example report.

- First, connect to your Power BI Desktop App.
- Click on File \rightarrow Get Data \rightarrow Web

e	
New	Get data
Open Sava	Most Common
Save as	Excel workbook
Get data	Power BI datasets
Import Export	gg Dataflows
Publish	SQL Server database
Options and settings Get started	Azure Analysis Services database
	Text/CSV
	Web Web
	OData feed Import data from a web page.
	Blank Query
	Power BI Template Apps 🗖
	Get data to get started $ ightarrow$
	Choose Advanced:



• Now, put the URL of your selected report:

API - CSV Reports - Please select a re It is recommended locking the report Search for saved reports	port from the list: you select here, to avoid unintended changes
× default	× ~
- https://public-services.clarifruit.	com/api/report?companyId=782853&reportId=64d279afc6150d368220ea98
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- Add the X-Api-Key to your header, and your Token value.
- Click OK.
- As you can see now, the report information now appears in Power BI.

ile Origin		Delimiter			Data Type Dete	ction		
65001: Unicode (UTF-8)	Ŧ	Comma		*	Based on first	200 rows	*	[
ID	State	Produce	Variety	Inspec	tion Name	Produce_1	Variety_2	Inspection I
655df138553d42a70164fb88	In Progress	Blueberries	Andrea	="GM00:	1656"	Blueberries	Andrea	22/1
655e4cb0ade2ff44f951426f	In Progress	Blueberries	Aurora	="GM0W	4714"	Blueberries	Aurora	22/1
555e55bf3607ad788bf3fb52	In Progress	Blueberries	Aurora	="Prueba	1"	Blueberries	Aurora	22/1
555e600b3607ad788bf3fb53	In Progress	Blueberries	Aurora	="GM0Y0	947"	Blueberries	Aurora	22/1
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6562d115b8cd9033c7b90ea2	Approved	Apples	Common Red Apple	="My Swe	eet Apples 3"	Apples	Common Red Apple	26/1
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2								>

• You can load the information, and start working with it.



- Here is just a simple example of a report you can do using Power BI, and the information from Clarifruit.
 - This report shows BRIX over Produce, from your grower list you can see who has the best brix results across produce categories.



In addition, the report would show the same filter as you applied to it.

So, if you are planning to request new data every hour, day, or week, please set the correct period filter on your Clarifruit report.

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One more recommended action you'd probably want to take is to lock your report.

The report you are using as a base for Power BI, or any other tool, you want to keep it consistent, with no one that could make changes to this report, such as removing or adding columns, changing filters, etc.

By locking the report - you can ensure nobody will change it by mistake, only admins would have access to unlock it, in case of changes that need to be done.

All you need to do in order to lock OR unlock a report, is to choose the report from the Reports tab, click on edit, and then lock/unlock it.



Edit report details	
	Â
cancel	save
	letails cancel



Now you are ready to use the Clarifruit CSV report and get information automatically to your BI tools.