

Sustainability Studio APIs

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1. Sustainability Studio APIs overview

2. API 1: ESG Scores

Should return all normalised ESG scores for each FTSE 100 company per year. Normalised (0-100) scores: ESG, pillar, theme, subtheme, metrics.

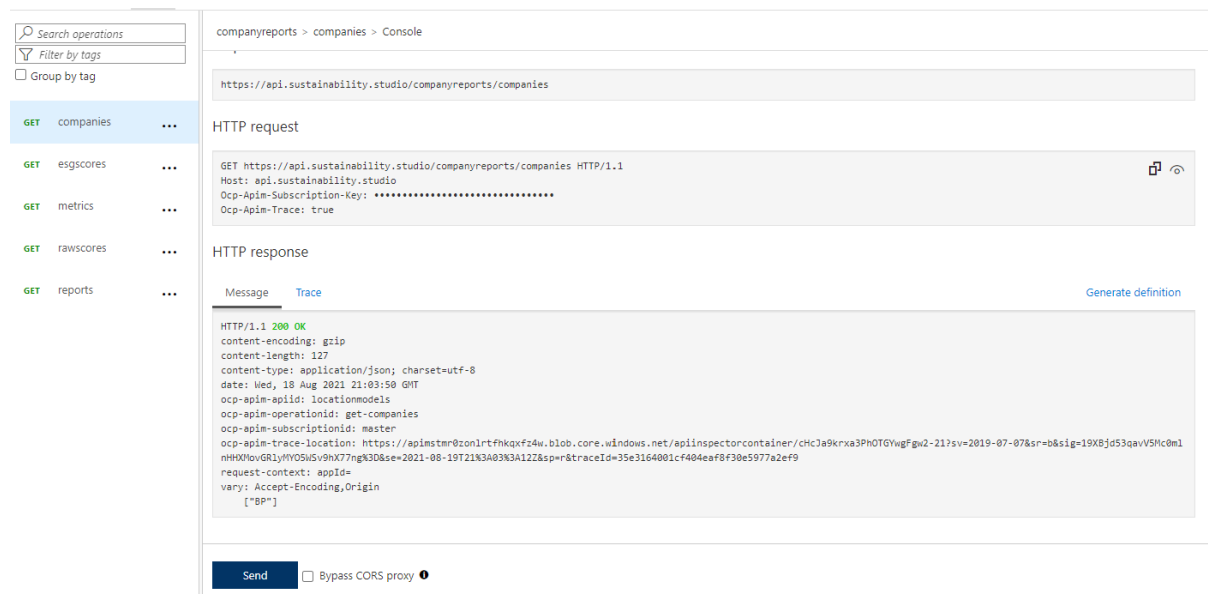
Should also return proportion of missing metrics per company and per industry for each year (may need to make this a separate api)

3. API 2: Raw ESG scores

Provides raw esg metric data (currently collected by Data Analysts) and the unts

4. API 3: Companies

Returns list of all FTSE100 companies covered. Should also include ISIN number and GICs industry.



The screenshot shows the API console interface for the 'companies' endpoint. On the left, there is a sidebar with a search bar and a list of API endpoints: 'companies', 'esgscores', 'metrics', 'rawscores', and 'reports'. The 'companies' endpoint is selected. The main area displays the following details:

- URL:** `https://api.sustainability.studio/companyreports/companies`
- HTTP request:**

```
GET https://api.sustainability.studio/companyreports/companies HTTP/1.1
Host: api.sustainability.studio
Ocp-Apim-Subscription-Key: *****
Ocp-Apim-Trace: true
```
- HTTP response:**

```
HTTP/1.1 200 OK
content-encoding: gzip
content-length: 127
content-type: application/json; charset=utf-8
date: Wed, 18 Aug 2021 21:03:50 GMT
ocp-apim-apiid: locationmodels
ocp-apim-operationid: get-companies
ocp-apim-subscriptionid: master
ocp-apim-trace-location: https://apimstmr0zonl1rtfhkqxfz4w.blob.core.windows.net/apinspectorcontainer/chc3a9krxa3PHOTGYwFgw2-21?sv=2019-07-07&sr=b&sig=19XBjd53qavV5Mc0m1nHXHovGR1jMY05MSy9hX77ngK3D&se=2021-08-19T21%3A03%3A12Z&sp=r&traceId=35e3164001c4404ea8f830e5977a2ef9
request-context: appId=
vary: Accept-Encoding,Origin
["BP"]
```

At the bottom, there is a 'Send' button and a checkbox for 'Bypass CORS proxy'.

7. Scoring APIs workflow

- Understand how annual ESG scores are varying for the FTSE 100 companies
- Obtain ESG scores, pillar scores, theme, subtheme and normalised metric scores for the FTSE 100 for each year since 2015
- Compare and contrast current and historical ESG scores across companies within an industry, providing valuable benchmarks.
- Gain valuable insights into which industries are progressing the fastest across a variety of ESG areas
- Understand which ESG areas are not reported on well through insights into proportion of missing values per pillar
- Weights available upon request
- Leverage the outputs of custom built NLP BERT models to identify the location of 100 ESG metrics in annual company sustainability reports

8. Premium APIs workflows (Raw ESG data, coming soon: forecasted climate data)

- Gain exposure to over 100 raw ESG metrics and units for each FTSE 100 company with history covered from 2015 to the current year.
- Create your own canvas of insights from the ground up. Apply your own weights and scoring methodologies.
- Add more ESG data to your data assets to fuel better investment decisions.

- Understand climate risk impacts on GDP per country, per industry.
- Evaluate long term risk of assets under from a variety of climate scenarios
- Simulate evolutionary industry strategies that can be adopted to minimise climate risk impacts

9. Appendix

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Search APIs

Filter by tags

Group by tag

Add API

All APIs

- companyreports ...
- ElastacLOUD Sustainable ...

Design Settings **Test** Revisions Change log

Search operations

Filter by tags

Group by tag

Method	Endpoint	Actions
GET	companies	...
GET	esgscores	...
GET	metrics	...
GET	rawscores	...
GET	reports	...

companyreports > rawscores > Console

HTTP response

Message Trace Generate definition

```

HTTP/1.1 200 OK
content-encoding: gzip
content-type: application/json; charset=utf-8
date: Sun, 01 Aug 2021 17:03:24 GMT
ocp-apim-apiid: locationmodels
ocp-apim-operationid: 6106d35ffe57d97d7c14d882
ocp-apim-subscriptionid: master
ocp-apim-trace-location: https://apimster@zon1rtfkhqxfz4w.blob.core.windows.net/apiinspectorcontainer/CHC3a9krxa3PHOTGVwFgw2-13?sv=2019-07-07&sr=b&sig=B3A80eU%2BHlUQZPv60hKtH5ZqRPhQc%2Be2SmTjYrRe90%3D&se=2021-08-02T17%3A03%3A24Z&sp=r&traceId=0845ff9fb5eb47baa1f5b6a6bd66e82
request-context: appId=cid-v1:f2e2420b-ee85-4cfc-a1ad-b430e9899d41
transfer-encoding: chunked
vary: Accept-Encoding,Origin
{
  "totalCount": 495,
  "pageCount": 200,
  "numberOfPages": 3,
  "page": 1,
  "company": "BP",
  "scores": [
    {
      "year": 2015,
      "tickerId": "BP",
      "description": "",
      "metric": "(EBIT/TA)",
      "metricScore": 0.0,
      "pillar": "Governance",
      "rawScore": 0.0,
      "unit": null
    },
    {
      "year": 2015,
      "tickerId": "BP",

```

```

{
  "Year": "2016",
  "Company": "SHELL",
  "Ticker ID": "RDSb",
  "Description": "A description of the organization's values, principles, standards, and norms of behavior",
  "Metric": "Training new board members",
  "Metric Score": "83.33333333333333",
  "Pillar": "Governance",
  "Pillar Score": "44.0562",
  "Theme": "CSR Strategy",
  "Theme Score": "42.5",
  "SubTheme": "Ethics and Integrity",
  "Sub Theme Score": "75",
  "ESG Score": "37.6694966",
  "Raw score": "1",
  "Metric Flag": "1",
  "Units": "null"
},
{
  "Year": "2017",
  "Company": "BP",
  "Ticker ID": "BP",
  "Description": null,
  "Metric": "Percentage of female employees in senior management",
  "Metric Score": "100",
  "Pillar": "Social",
  "Pillar Score": "37.748058",
  "Theme": "Workforce",
  "Theme Score": "43.370145",
  "SubTheme": "Diversity and equal opportunities",
  "Sub Theme Score": "75",
  "ESG Score": "37.1294574",
  "Raw score": "30",
  "Metric Flag": "1",
  "Units": ""
},

```