

Elektron Data Platform Environmental, Social & Governance

API User Guide

Document Version 2.0
Date of issue: November 2020

The Financial and
Risk business of
Thomson Reuters
is now Refinitiv.



Contents

Contents	2
Chapter 1: About this Guide	3
About the ESG Service	3
Resources	3
Service and Support.....	3
Change Notifications	3
Service Alerts	3
Chapter 2: Getting Started	4
About the EDP APIs.....	4
Accessing the EDP APIs.....	4
Interacting with the APIs	5
Playground Tab.....	5
Swagger Tab.....	6
Chapter 3: About the EDP ESG APIs	7
Content & Commercial Packages	7
Content Packages.....	7
Commerical Packages	7
Operations vs. Commercial Packages	8
Chapter 4: EDP ESG Operations.....	9
GET /UNIVERSE	9
Example	9
GET /VIEWS/BASIC	11
Example	11
GET /VIEWS/MEASURES-FULL.....	12
Example	12
GET /VIEWS/MEASURES-STANDARD.....	13
Example	13
GET /VIEWS/SCORES-FULL.....	14
Example	14
GET /VIEWS/SCORES-STANDARD.....	15
Example	15
GET /VIEWS/DIR-SCORES-	16
Example	16

Chapter 1: About this Guide

This guide gets you started with the Elektron Data Platform (EDP) APIs and provides instructions for using the interactive documentation tool to discover and learn about EDP content and services.

About the ESG Service

ESG data from Refinitiv is objective and transparent environmental, social and governance (ESG) information that enables our clients to benchmark, compare and integrate extra-financial information into their investment processes to identify companies with quality management and reduced risk exposure.

The key features are:

- Transparent ESG data and analytics for over 7,000 companies with comprehensive data since FY2002, longer than other providers
- Consistent analytics, scores and ranks to benchmark and compare companies and the trajectory of their ESG performance
- 400+ ESG data points and 70+ ESG analytics – all fully transparent back to the original source documents and reported information
- Carbon data and Estimate models that are both patented and fully transparent – providing a CO2 estimated value when a reported value is not available
- Comprehensive negative screening measures and revenue thresholds

Resources

The [Developer Community portal](#) offers open access to APIs used to consume ESG data from Refinitiv. You may register freely. If you require an API in another programming language, please contact your Technical Account Manager.

Service and Support

The Refinitiv Statement of Service is available on [MyRefinitiv](#). MyRefinitiv is the Refinitiv portal that provides a single access point for timesaving support services, along with billing, user management, and information. For support using DataScope Select, please raise a query by accessing [Help & Support](#) at [MyRefinitiv](#).

You are encouraged to [subscribe](#) to the following support channels to keep informed of changes to products and data, and to be notified of any service issues or changes:

CHANGE NOTIFICATIONS

- **Product** change notifications detail new, enhanced, or changed functionality, which may require your action, in products that you use.
- **Content** change notifications alert you to upcoming changes to real-time and historical data across all asset classes that are relevant to you.
- **RIC** change notifications inform you of planned changes to Reuters Instrument Codes.

SERVICE ALERTS

- You can subscribe to alerts about planned maintenance and unplanned service issues affecting your products and services, and be notified via SMS or email.

Chapter 2: Getting Started

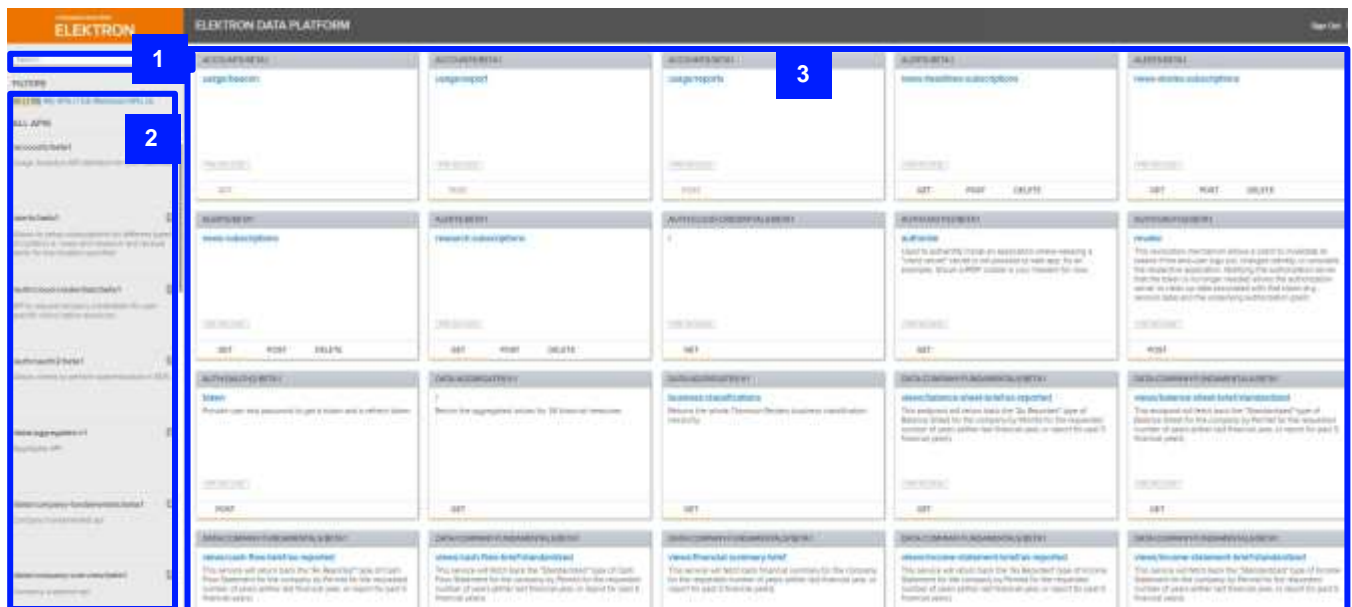
About the EDP APIs

Elektron Data Platform (EDP) provides a single point of REST API-driven content and discovery access to Refinitiv content and services backed by standard authentication and entitlements. Built on top of the cloud-based Elektron Data Platform (EDP), the APIs provide a standard workflow that enables clients – both humans and machines alike – to easily establish a session to access the platform and any content and services they are entitled to use.

Accessing the EDP APIs

The **API Gateway** is the single point of access for interacting with all EDP content and services. This site requires Google Chrome.

Please use the User ID and Password provided in your welcome letter to sign in. Upon a successful login, the EDP APIs appear:



1

Search: Use to filter all of the APIs listed under **Categories** and quickly locate the API you are looking for. When you enter text in the search bar, only the APIs matching that text appear.

2

Categories: Lists all of the content and services that are available as part of the API Gateway, including data access services and administrative tools (for example, Authentication APIs, Documentation APIs, etc.). APIs are listed alphabetically with the number of available endpoints and a brief description provided for each one.

3

APIs: Shows the different APIs that are available within the selected category. The methods for each API are shown with a description of each one. Click **on the blue method name** to view the **PLAYGROUND** tool for interacting with that API.

Interacting with the APIs

An intuitive interactive tool, or “Playground”, is provided for discovering and learning about the EDP APIs. You can easily interact with any API on the platform and view the request and response structures for that endpoint. The process is consistent across all APIs to ensure ease of use, so that your time is spent working with EDP data instead of working out how to use the API.

PLAYGROUND TAB

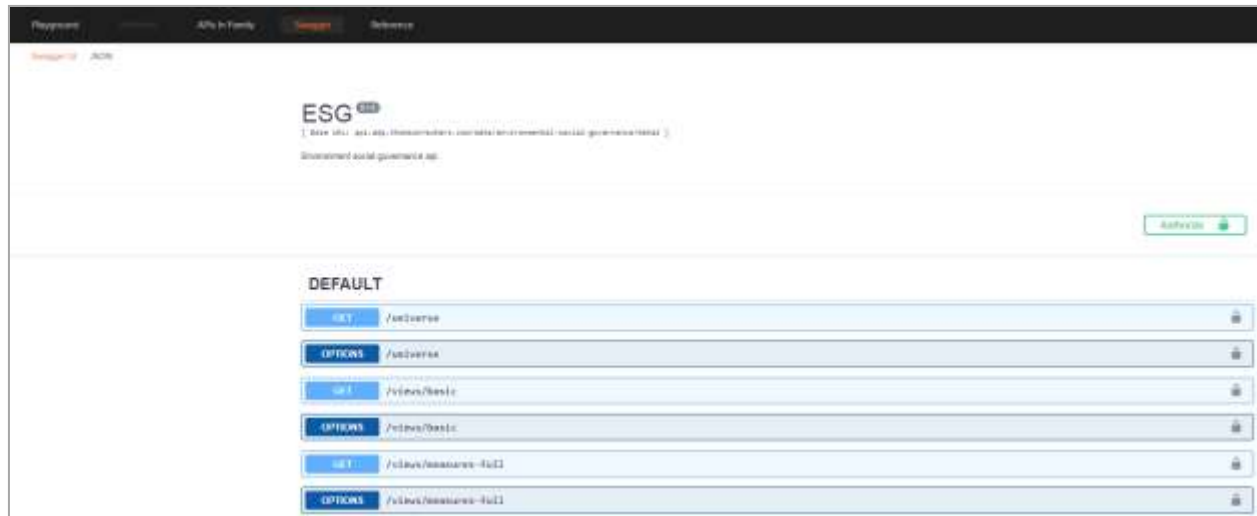
The screenshot displays the EDP API Playground interface. It features a sidebar on the left with a list of API endpoints. The main area is divided into two sections: the top section for constructing a request (method, URL, headers, body) and the bottom section for displaying the response. Three numbered callouts highlight specific features:

- 1**: Points to the 'Request Examples' tab in the sidebar, which shows example requests for the selected API.
- 2**: Points to the 'Request' input field, where the user can specify the request method and URL.
- 3**: Points to the 'Response' table, which displays the data returned by the API request in a tabular format.

- 1** **Examples:** Shows request examples for interacting with the content or service for the selected API. Click on a tab to view the examples for that request method. Descriptions for each example are provided. Click on an example to get started. The path exposing the API is identified in the **Path Description** section.
- 2** **Request:** Shows the request method and the example request. The URL identifies the data request being made on the Refinitiv domain. Click **Try it** to execute the request. You can also specify optional custom request headers. Use the **Include** boxes to define the header name and value.
- 3** **Response:** Shows data returned for the API request in tabular form by default. Options for viewing the data in Raw JSON and JSON Object are also available. All EDP data is presented consistently across APIs, showing data, messages, and descriptions for all of the fields in the API response.

SWAGGER TAB

Swagger documentation is provided as an alternative for developers who prefer this capability for defining APIs. The model for the definition within the API is fully described, so that developers can see the data models that they must use to access the API without having to make a request. Swagger documentation is available for all EDP APIs.



Chapter 3: About the EDP ESG APIs

Content & Commercial Packages

ESG supports different operations, each providing a specific part of the ESG content set. When the data is used for redistribution purposes, for example, the data is used in public or closed websites, there are some rules that have to be applied as defined in the following tables.

CONTENT PACKAGES

Free to Air (Tier 1)

Category	Description
History	N/A
Content Limitations	Top three measures (defined - one from each pillar): <ul style="list-style-type: none"> • Total CO2 Emissions in Tonnes (Env: TR.CO2EmissionTotal) • % Women on Board (Gov: TR.AnalyticBoardFemale) • Average Training Hours (Social: TR.AvgTrainingHours)

Password Protected Website (Tier 2)

Category	Description
History	Latest three years
Content Limitations	None - All measures & scores

Professional

Category	Description
History	All (back to 2002)
Content Limitations	None - All measures & scores

COMMERICAL PACKAGES

ESG content is sold in four commercial packages:

1. **Closed Website:** all measures & scores
(allowed to show ESG content in the open part of the website)
2. **Closed Website:** scores only
3. **Professional Users:** all measures and scores
4. **Professional Users:** scores only

The operations available on the user account depend on the commercial package ordered

Operations vs. Commercial Packages

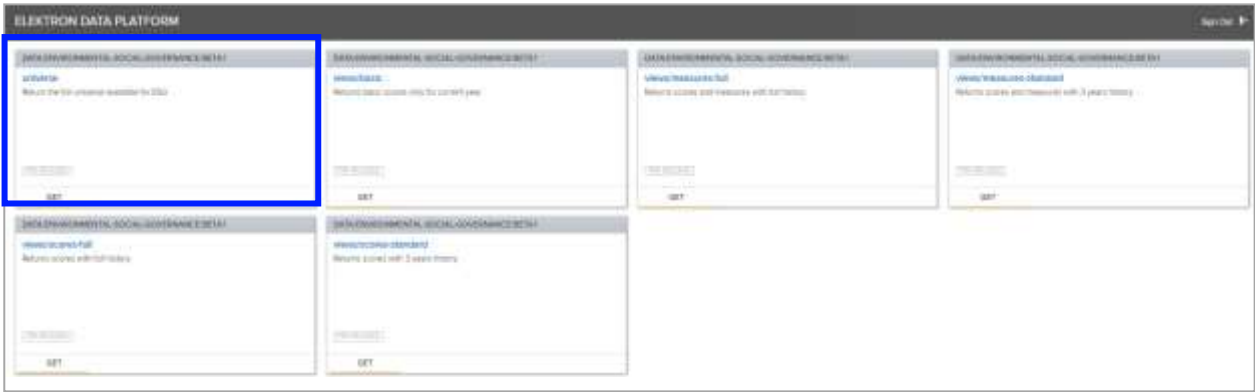
The ESG operations are available in the following commercial packages:

Commercial Package	Universe	Basic	Measures - Full	Measures - Standard	Scores - Full	Scores - Standard	Diversity Inclusion Ratings
Open Website: 6Scores & 3 Measures Only		x					
Closed Website : all measures & scores	x			x		x	x
Closed Website : scores only	x					x	x
Professional Users : all measures and scores	x		x	x	x	x	x
Professional Users : scores only	x				x	x	x

The remaining sections of this guide provide an overview of the ESG operations and the commercial packages in which they are available.

Chapter 4: EDP ESG Operations

GET /UNIVERSE



The **UNIVERSE** operation returns the full universe available for ESG. It is available in the following commercial packages:

Package	Universe
Closed Website : all measures & scores	X
Closed Website : scores only	X
Professional Users : all measures and scores	X
Professional Users : scores only	X

EXAMPLE

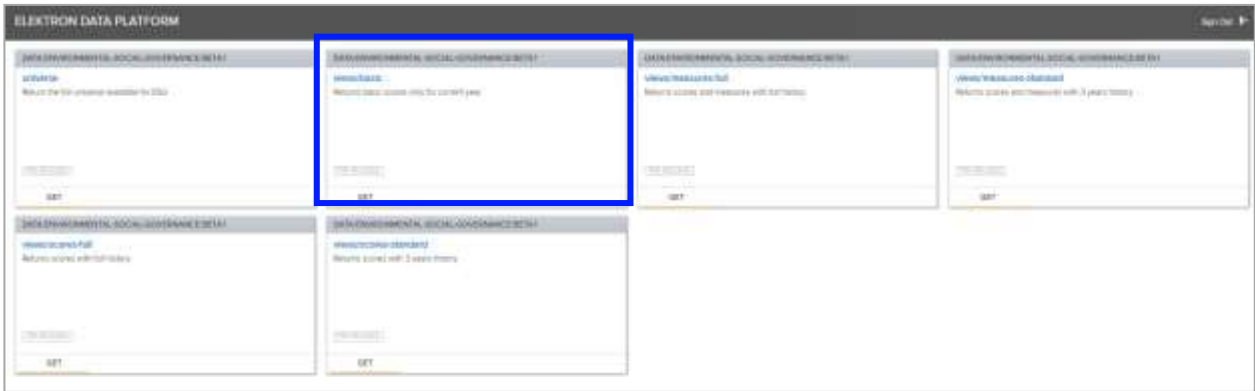
Select an example request and click **Send!**



The response for the selected request appears in the **RESPONSE** window:

RESPONSE Status: 200		
Pretty	Preview	Raw
Headers		
Organization ParentID	Ric Code	Common name
4295533401	RST	Rosetta Stone Inc
4295613014	PWFTO	Power Financial Corp
4295641240	KE.O	Kimball Electronics Inc
4295856019	COME.BA	Sociedad Comercial del Plata S...
4295856026	HARG.BA	Holcim Argentina SA
4295856029	ALUA.BA	Aluar Aluminio Argentino S.A.C.
4295856044	FRAN.BA	BBVA Banco Frances SA
4295856050	CEPU.BA	Central Puerto SA
4295856051	TRAN.BA	Compania de Transporte de Ener...
4295856053	TECO2.BA	Telecom Argentina SA

GET /VIEWS/BASIC



The **VIEWS/BASIC** operation returns three predefined measures: one environmental measure, one social measure and one governance measure. It is available in the following commercial package:

Package	Basic
Closed Website : all measures & scores	X
Closed Website : scores only	
Professional Users : all measures and scores	
Professional Users : scores only	

EXAMPLE

Select an example request and click **Send!**

GET

/VIEWS/BASIC

Returns basic scores only for current year:

GET

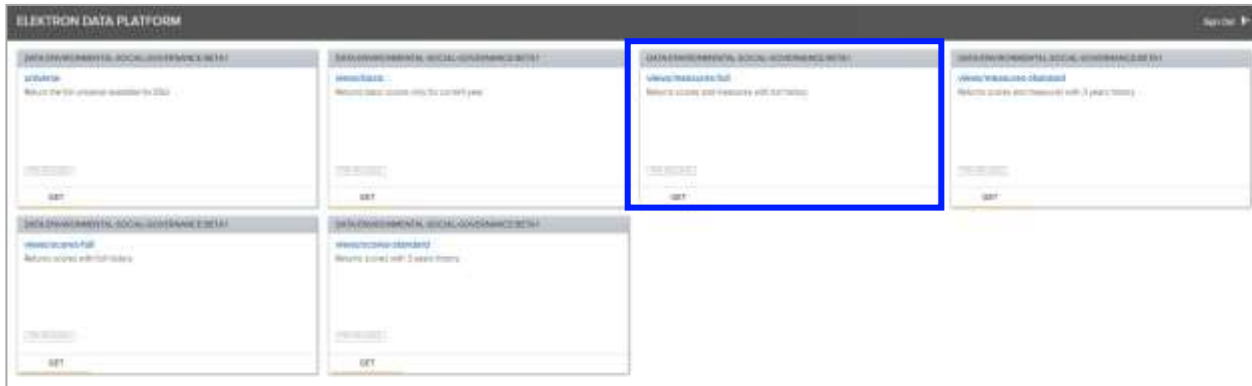
https://api.edp.thomsonreuters.com/data/environmental-social-governance/beta1/Views/basic?universe=IBM.N

Send

The response for the selected request appears in the **RESPONSE** window:

RESPONSE Status: 200						
Pretty Preview Raw Headers						
Instrument	Period End Date	ESG Reporting Scope	ESG Period Last Update Date	CO2 Equivalents Emission Total	Women Managers	Average Training Hours
IBM.N	2018-12-31	100	2019-01-05T00:00:00	1297065	26.7	64.431

GET /VIEWS/MEASURES-FULL



The **MEASURES-FULL** operation returns all available measures and scores for a company, including all historical data. It is available in the following commercial package:

Package	Measures – Full
Closed Website : all measures & scores	
Closed Website : scores only	
Professional Users : all measures and scores	x
Professional Users : scores only	

EXAMPLE

Select an example request and click **Send!**

GET

/VIEWS/MEASURES-FULL

Returns scores and measures with full history

GET

https://api.edp.thomsonreuters.com/data/environmental-social-governance/beta/1/views/measures-full?universe=BNPP.FA

Send

The response for the selected request appears in the **RESPONSE** window:

Instrument	Period End Date	ESG Combined Score	ESG Score	ESG Controversies Score	ESG Reporting Scope	ESG Report Auditor Name	ESG Period Last Update Date	Resource Reduct
BNPP.FA	2017-12-31	46.5958091919824	91.3367796742875	1.85483870967741	95	PricewaterhouseCoopers	2018-12-08T00:00:00	true
BNPP.FA	2016-12-31	51.9138991802692	93.150715027205	10.6770833333333	95	PricewaterhouseCoopers	2018-12-08T00:00:00	true
BNPP.FA	2015-12-31	47.3680515702171	93.0249743733108	1.71232876712328	95	PricewaterhouseCoopers	2018-12-08T00:00:00	true
BNPP.FA	2014-12-31	44.3373134328358	84.1970149293731	4.47701194029851	87	PricewaterhouseCoopers	2018-12-13T00:00:00	true
BNPP.FA	2013-12-31	44.2248140890363	84.244020701437	4.30560747963551	75	PricewaterhouseCoopers Audit	2018-12-13T00:00:00	true
BNPP.FA	2012-12-31	46.8235694472981	83.1375847544688	10.5095541601273	89	PricewaterhouseCoopers Audit	2018-12-15T00:00:00	true
BNPP.FA	2011-12-31	40.3057795698924	76.4180107526881	4.18354838709677	82.1	PricewaterhouseCoopers Audit	2018-12-15T00:00:00	true

GET /VIEWS/MEASURES-STANDARD



The **MEASURES-STANDARD** operation returns all available measures for a company with three years of historical data. It is available in the following commercial package:

Package	Measures - Standard
Closed Website : all measures & scores	X
Closed Website : scores only	
Professional Users : all measures and scores	X
Professional Users : scores only	

EXAMPLE

Select an example request and click **Send!**



The response for the selected request appears in the **RESPONSE** window:

RESPONSE Status: 200								
Pretty Preview Raw Headers								
Instrument	Period End Date	ESG Combined Score	ESG Score	ESG Controversies Score	ESG Reporting Scope	ESG Report Auditor Name	ESG Period Last Update Date	Resource
BNPPRA	2017-12-31	46.5958091919824	91.3367796742875	1.85483870967741	95	PricewaterhouseCoopers	2018-12-08T00:00:00	
BNPPRA	2016-12-31	51.9138991802692	93.158715027205	1.66770833333333	95	PricewaterhouseCoopers	2018-12-08T00:00:00	
BNPPRA	2015-12-31	47.3686515702171	93.0249743733109	1.71232876712328	95	PricewaterhouseCoopers	2018-12-08T00:00:00	

GET /VIEWS/SCORES-FULL



The **SCORES-FULL** operation returns all available scores for a company, including all historical data. It is available in the following commercial package:

Package	Scores – Full
Closed Website : all measures & scores	
Closed Website : scores only	
Professional Users : all measures and scores	
Professional Users : scores only	X

EXAMPLE

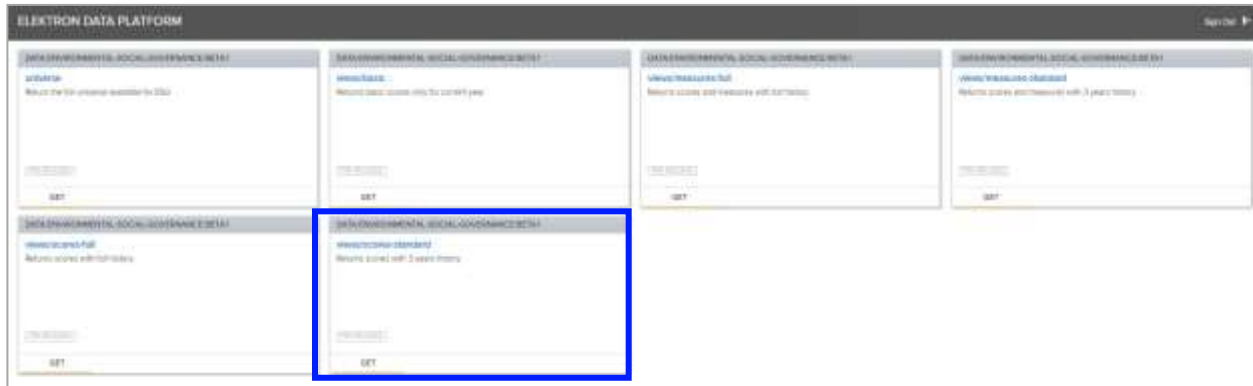
Select an example request and click **Send!**



The response for the selected request appears in the **RESPONSE** window:

RESPONSE Status: 200										
Pretty Preview Raw Headers										
Instrument	Period End Date	ESG Combined Score	ESG Score	ESG Controversies Score	Environment Pillar Score	Social Pillar Score	Governance Pillar Score	Resource Use Score		
IBM.N	2016-12-31	43.5098041677727	84.2316842463263	2.78810408921933	null	null	null	93.4944237918215	96.4	
IBM.N	2015-12-31	42.9078704592701	82.0598723739393	3.75586854460093	null	null	null	93.1924882629108	94	
IBM.N	2014-12-31	42.2542457542457	80.3126873126873	4.19580419580419	null	null	null	91.2587412587412	82	
IBM.N	2013-12-31	41.51401234509261	79.0920390270365	3.93700787401574	null	null	null	89.3700787401574	85	
IBM.N	2012-12-31	40.1891269004501	74.3437710422794	6.03448275862069	null	null	null	88.3620689655172	78	
IBM.N	2011-12-31	48.7343263092993	77.979626069928	19.4690265486725	null	null	null	95.1327433628318	88	
IBM.N	2010-12-31	41.581725708502	80.9904689608636	2.18298245614035	96.3973321670675	97.3829618890569	55.3638611123377	96.3298245614035	91	
IBM.N	2009-12-31	40.7765181174725	79.0777887101925	2.47524752475247	94.8149682408175	96.8458639158897	50.8311503997396	93.5643564356435	80	
IBM.N	2008-12-31	40.6702742978095	80.7381389667649	0.602409638554216	88.407091172297	96.4394760169408	51.4035145182686	95.7831325301204	81	
IBM.N	2007-12-31	78.4015752379422	78.4015752379422	82.1821621621621	89.6364057433997	94.3994676721747	49.5208198382248	92.5675675675675	89	

GET /VIEWS/SCORES-STANDARD



The **SCORES-STANDARD** operation returns all available scores for a company with three years of historical data. The operation is available in the following commercial package:

Package	Scores - Standard
Closed Website : all measures & scores	X
Closed Website : scores only	X
Professional Users : all measures and scores	X
Professional Users : scores only	X

EXAMPLE

Select an example request and click **Send!**



The response for the selected request appears in the **RESPONSE** window:

RESPONSE Status: 200							
Pretty Preview Raw Headers							
Instrument	Period End Date	ESG Combined Score	ESG Score	ESG Controversies Score	ESG Reporting Scope	ESG Report Auditor Name	ESG Period Last Update Date
6758.T	2017-03-31	47.7679946112394	83.6112273177169	11.9047619047619	40	Bureau Veritas (BV) Group	2019-01-12T00:00:00
6758.T	2016-03-31	48.4597291666666	82.2055759803921	14.7058823529411	8	null	2019-01-12T00:00:00
6758.T	2015-03-31	38.0817757000345	74.6302180685358	3.33333333333333	100	Bureau Veritas (BV) Group	2019-01-12T00:00:00

GET /VIEWS/DIR-Scores

<p><code>/data/environmental-social-governance/v2</code> <code>/universe</code></p> <p>Provides a list of all the organizations with relevant identifiers that currently have ESG coverage</p> <p>GET</p>	<p><code>/data/environmental-social-governance/v2</code> <code>/views/basic</code></p> <p>Provides a basic overview of 6 common ESG Data Items from the latest Financials</p> <p>GET</p>	<p><code>/data/environmental-social-governance/v2</code> <code>/views/dir-scores</code></p> <p>Returns Diversity Inclusion Ratings Scores</p> <p>GET</p>	<p><code>/data/environmental-social-governance/v2</code> <code>/views/measures-full</code></p> <p>Provides full coverage of over 400 ESG Data Items including Refinitiv's proprietary ESG Scores with full available history</p> <p>GET</p>
<p><code>/data/environmental-social-governance/v2</code> <code>/views/measures-standard</code></p> <p>Provides full coverage of over 400 ESG Data Items including Refinitiv's proprietary ESG Scores with a limited history</p> <p>GET</p>	<p><code>/data/environmental-social-governance/v2</code> <code>/views/scores-full</code></p> <p>Provides full coverage of Refinitiv's proprietary ESG Scores with full history</p> <p>GET</p>	<p><code>/data/environmental-social-governance/v2</code> <code>/views/scores-standard</code></p> <p>Provides full coverage of Refinitiv's proprietary ESG Scores with a limited history</p> <p>GET</p>	

EXAMPLE

Select an example request and click **Send!**

GET **/VIEWS/DIR-SCORES**

Scores are calculated for each company for the Diversity, Inclusion, People Development, and Controversies pillars, and those companies with non-zero scores for all four pillars are assigned an overall score (the arithmetic mean of the pillar scores).

GET Send

The response for the selected request appears in the **RESPONSE** window:

RESPONSE

Status: 200

Pretty

Preview

Raw

Headers

Instrument	ESG Calc Date	TRDIR Score	TRDIR Diversity Score	TRDIR People Development Score	TRDIR Inclusion Score	TRDIR Controversies Score
BMPF:PA	2020-10-01	61	48	48	60	68