CSRHub Specification for REST Access (CSRA)
Version 2.3 (January 31, 2016)

Overview

The *CSRHub Specification for REST Access* (CSRA) API offers a simple way for to request information from the CSRHub database. A developer can easily write code that requests CSRHub overall, category or subcategory ratings. Applications can also use the CSRA API to:

⇨ Enter tickers or variants of company names and receive a standard name or CSRHub invariant ID number for any company in the database. Developers may also use the API to create a "lookahead" search to support an "autocomplete" search process.

⇨ Request information about companies such as their industry, location (address, city, state, country, zip code, and/or phone number), web site, and/or the web location for their CSR information.

⇨ Request ratings at the overall, category, or subcategory level for any month from December 2008 through the present. Overall ratings can be conditioned to reflect a user's personal profile settings or can use one of our default profiles. Ratings can be returned either on a 0 to 100 scale (100 is best/highest) or as a percentage (ratio) of the other rated companies overall or by region, country, industry group, or industry.

⇨ Request average ratings at the overall, category, or subcategory level overall or by region, country, industry group, or industry.

⇨ Request a list of the data sources that have reported information on a company (or a total of the number of sources). Users can also check to see if a source is present or not for any company or see a list of the companies who were reported on by any source.

⇨ Request individual data items for any of several thousand different data elements from >320 different data sources.

⇨ Examine which data sources supplied the data that contributed to a CSRHub rating.

⇨ Construct stable search strings using Boolean logic to select and return sets of companies that meet criteria such as geographic location, industry, rating level, or included or not included in a data source.

⇨ Request overall information about the dataset such as the number of data elements available, number of companies rated, or number of data sources.

CSRA is designed to allow developers to create their applications without requiring support or programming resources from CSRHub. To implement CSRA, developers architect their back-end server to respond to specifically structured REST requests in an expected way. A developer must either begin each session with a login transaction that establishes a secure session or use a static API key. The CSRHub server inspects these credentials and uses them to associate the request with a user ID and profile ID. It then delivers a profile-adjusted rating to the requesting application. User profile information also determines the default month for the data set that the user receives. Because CSRA is conditioned by user profiles, it is easy for an application to adjust CSRHub ratings to meet the particular views and needs of each different user of the application.

CSRA supplements several other methods that CSRHub provides to those who want to use or redistribute its data. These methods include:

⇨ A remote procedure call-based (RPC-based) widget that can display a snapshot of the ratings for any company in the database. This widget can be installed directly as an HTML call or via a WordPress plug in.
⇨ Ruby on Rails-(RoR) gems that process search requests, draw tables and charts, and handle other complex code-heavy functions. (CSRHub does not yet offer its own gems, but does use some existing gems in its product.)
⇨ Stable URLs that point directly to each of the companies that CSRHub tracks.
⇨ Stable URLs for any search that can be executed on the CSRHub site. Using these URLs, a user can reliably refer to all of the companies covered by a source, all companies in a geography or industry, or to all of the companies that are affected by a special issue. These URLs can incorporate complex AND/OR logic.
⇨ A set of function calls that can be embedded in an Excel spreadsheet. These calls allow users to integrate CSRHub into their own analysis and charts without the need for developer support.

Status of the Interface

This web service is still under development. The prior version, Version 2.0, was released in April of-2014 and has been used successfully by a number of developers. The 2.1 version adds functions for discovering which sources provide data for a rating, new types of geographic search, and more support for Boolean logic. The service may not be available at all times and some requests may result in server-side errors or return data that contains formatting mistakes.

Information Requests

Users of CSRA can obtain information on any of the ~9,000 companies in the catalog. For example, a client would use a GET method with this URL to receive all of the available information for Apple in a JSON format:

http://www.csrhub.com/api/v2/company:Apple%20Inc.?session_id=XXXXXX
(where XXXXXX is a session id string—see below for how this can be obtained)

See Appendix A for the data that this string returns. See Appendix B for a list of the available entities that can be explored via the API. See Appendix C for a complete list of the available RESTful requests and the equivalent Excel function for each, when it is available.

Notice that the user must specify each of the components of this request with the correct format and in the correct order (the parameters after "?" may be in any order):
A. **Base URL** for the request will always be https://www.csrhub.com/api/v2/
B. **Request structure.** A user appends an entity and qualifier to the base URL. For instance, a request for the average overall rating for Spain would look like this:
https://www.csrhub.com/api/v2/average/country:Spain?session_id=XXXXXX .
To simplify this documentation, from here on we will not show the Base URL or the parameters that follow a request such as session_id in our examples.
C. **Parameters.** Parameters follow the Base URL and Request and are delimited from these elements by the "?" symbol and from each other by the "&" symbol. A user must include a session id (details on how to request this are below). Users may also include the date (in the format YYYY-MM-01) (referred to in this documentation as "thedate") for the data set they want

to use or the profile id (referred to in this documentation as "pid") of a user profile that has been associated with their account and that they want to use to adjust overall ratings.

Authentication

Each data request must include a session id. A user should form a POST request at the start of each session, as follows:

POST http://www.csrhub.com/api/v2/session with POST arguments in one of these formats:
    name=<user name>&password=<password>
    name=<user email>&password=<password>
    name=<uid>&password=<password>

The POST will return a session ID in this format (note: the example session ID below has been changed/corrupted from the original and is not functional)

{"authenticated":true,"uid":165,"session_id":"aefe9dda3c9ec46fa272a22227cb67e18afe2c96f9993e2477775f4a79b40d33"}

The uid is the unique user number for this name or email and password combination. The session id is a 64 character key that can be used in the session.

Users can then integrate this session key into their GET requests. Session ids will expire automatically in 25 hours and should be refreshed at least once per day.

Formatting Requests and Limits on Responses

Text strings such as company name, industry, country, industry group, region, special issue, or subcategory name may either be left in plain text or their special characters may be translated into appropriate ASCII codes. So, "South Africa" could left alone or converted into "South%20Africa".

JSON responses can be quite large—we have not placed a specific limit on the server side for our responses. Excel is limited to 32,767 characters for each cell in a spreadsheet. Responses longer than this will be truncated at the last complete data element value.

Useful tips

To discover the available industries, countries, etc. for use in these searches, you should visit the CSRHub site. There is a tree for each of these searches underneath the "Search" box at the top right of the site. The links used to display them have the same text transformation applied as is described above.

To discover the profile number for a profile:
Create a profile, have another user share a profile with you, or search for a public profile that you can borrow (you must be a registered user or subscriber to do this).
Once the profile shows up on your list of profiles (on the left nav bar), you can go to the "My profiles" page (http://www. csrhub.com/user_profiles) and see the profile on the list.

Hover over the profile and examine the link. You will see the profile number in this link.

You can use the /api/v2/dataset:current request to discover which profile id is currently associated with a user's id and on what date it was created. However, users can change their default id on the site. It may therefore be wise to specify a profile id parameter in each GET request.

Similarly, the data set date used to satisfy a request will default to whatever date has been set by the user on the CSRHub web site. If an application wants to be sure that it is using the correct data set date, it should specify the date parameter in its requests. An application can find the most recent data set using the /api/v2/dataset:latest request and the earliest available data set using the /api/v2/dataset:earliest request.

When a function returns a list of results (e.g., a list of data sources that refer to a company), each individual returned element will be separated from the others by a comma and carriage return in the RESTful interface and by a semicolon in the Excel interface.

All calculated rating values are rounded to four significant digits. So, ratings will be in the format 00.00 and ratios will be 0.0000.

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Appendix A—Sample Response to "Company:<id>" Search for Apple Inc.

```
{
```

- "id": "217696",
- "name": "Apple Inc.",
- "ticker": "AAPL",
- "website": "www.apple.com",
- "csrsite": "www.apple.com/supplierresponsibility/",
- "address": "1 Infinite Loop",
- "city": "Cupertino",
- "state": "CA",
- "country": "USA",
- "region": "North America",
- "phone": "1-408-9961010",
- "ISIN": "US0378331005",
- "description": "Apple, Inc. is a manufacturer and distributor of electronic products including personal computers, mobile phones, mp3 music players, and tablet computers as well as software and applications for their electronic devices. The Company, founded in 1977, also operates stores that offer Apple, Inc. products and customer service and solutions for these products. The Company is based in Cupertino, California.",
- "industrygroups": [
  - "Technology"

  ],
- "industries": [
  - "Computers & Peripherals",
  - "Communications Equipment Manufacturing",
  - "Software & Internet"

  ],
- "dateadded": "01 Aug 2008",
- "dateremoved": "NA",
- "dateupdated": "29 Aug 2010",
- "ratings": {
  - "overall": 55,
  - "categories": {
    - "Community": 54,
    - "Employees": 62,
    - "Environment": 57,
    - "Governance": 48

    },
  - "subcategories": {
    - "Transparency & Reporting": 40.6335,
    - "Training, Health & Safety": 59.5695,

- ▪ "Resource Management": 54.2104,
  - ▪ "Product": 66.2735,
  - ▪ "Leadership Ethics": 49.1308,
  - ▪ "Human Rights & Supply Chain": 50.4293,
  - ▪ "Environment Policy & Reporting": 56.1379,
  - ▪ "Energy & Climate Change": 59.5849,
  - ▪ "Diversity & Labor Rights": 55.9151,
  - ▪ "Compensation & Benefits": 69.8574,
  - ▪ "Community Dev & Philanthropy": 45.1484,
  - ▪ "Board": 54.5925,
  - }
- },
- "specialissues": [ ],
- "profileurl": "http://www.csrhub.com/CSR_and_sustainability_information/Apple-Inc",
- "datasources": [
  - o "2020 Women on Boards",
  - o "Asset4",
  - o "Brand Finance 2011-12",
  - o "Brand Finance 2012-13",
  - o "Best Workplace for Commuters 2011",
  - o "Best Workplace for Commuters 2013",
  - o "Carbon Disclosure Project 2012 Full Data",
  - o "Ceres Climate & Energy Resolutions 2012",
  - o "Climate Counts 2011",
  - o "Climate Counts 2012",
  - o "The Center for Political Accountability 2011",
  - o "Bloomberg New Energy Finance Index (CREX)",
  - o "Div50 2012",
  - o "Div50 2013",
  - o "EDF Climate Corps 2013",
  - o "Electronic Industry Citizenship Coalition",
  - o "Environmental Investment Organisation",
  - o "EIRIS",
  - o "Ekobai B2B Directory",
  - o "EPEAT",
  - o "Equal Opportunity 2014",
  - o "Fair Labor Association",
  - o "MSCI Impact Monitor",
  - o "Glassdoor 50 Highest Rated CEOs 2013",
  - o "Glassdoor.com Top 50 Best Places To Work 2012",
  - o "Glassdoor.com Top 50 Best Places To Work 2013",
  - o "Glassdoor.com Top 50 Best Places To Work 2014",

- o "Glassdoor",
- o "Governance Metrics International",
- o "Goodness 500 2012",
- o "Greenpeace Cloud",
- o "Global Reporting Initiative 2011",
- o "Global Reporting Initiative 2012",
- o "Global RepTrak 2012 Reputation Institute",
- o "Human Rights Campaign 2012 List",
- o "Human Rights Campaign 2013 List",
- o "MSCI ESG Intangible Value Assessment",
- o "IW Financial",
- o "Media Tenor",
- o "Newsweek Top 500 Green Companies 2012",
- o "Newsweek Top 500 Global Green Companies 2012",
- o "RepRisk ESG Business Intelligence",
- o "ReportWatch",
- o "SEC Options Backdating list",
- o "Transparency International",
- o "Trucost",
- o "UN Office on Drugs and Crime Anti-Corruption Measures",
- o "Vigeo",
- o "WeGreen"
    ],
  - "flags": [ ]
}

MYF: we extended the company object since the last version of this doc. Please see the extended version below. Not a lot of changes, but there are some. Added the "ratings" section, I highlighted it with bold.

{:id=>"213081",

 :name=>"International Business Machines Corporation (IBM)",

 :ticker=>"IBM",

 :website=>"www.ibm.com",

 :csrsite=>"www.ibm.com/ibm/responsibility/?re=1brf2",

 :address=>"New Orchard Road",

 :zip=>"10504",

:city=>"Armonk",

:state=>"NY",

:country=>"USA",

:phone=>"914-499-1900",

:ISIN=>"US4592001014",

:description=>

 "IBM's business model is built to support two principal goals: helping clients succeed in delivering business value by becoming more innovative, efficient and competitive through the use of business insight and information technology (IT) solutions; and, providing long-term value to shareholders. The Company's global capabilities include services, software, hardware, fundamental research and financing. ",

:dateadded=>"01 Aug 2008",

:dateremoved=>"NA",

:dateupdated=>"09 Feb 2011",

:ratings=>

{:overall=>63.4311,

 :categories=>

  {:Community=>66.6667,

   :Employees=>69.6667,

   :Environment=>64.6667,

   :Governance=>55.3333},

  :subcategories=>

  {:"Community Dev & Philanthropy"=>68.4,

   :"Human Rights & Supply Chain"=>61.06,

   :Product=>71.16,

   :"Compensation & Benefits"=>73.15,

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```
        :"Diversity & Labor Rights"=>67.04,

        :"Training, Health & Safety"=>68.88,

        :"Energy & Climate Change"=>65.19,

        :"Environment Policy & Reporting"=>68.86,

        :"Resource Management"=>59.9,

        :Board=>54.16,

        :"Leadership Ethics"=>54.07,

        :"Transparency & Reporting"=>58.14},

     :status=>"Y"},

  :specialissues=>

   ["Diverse Board",

    "Gay & Lesbian Sensitive",

    "Military Contractor",

    "Working Mother-Friendly"],

  :specialissuesall=>

   ["Diverse Board",

    "Gay & Lesbian Sensitive",

    "Military Contractor",

    "Working Mother-Friendly",

    "Tea Party Boycott List",

    "Pesticides & Pollutants"],

  :region=>"North America",

  :profileurl=>

    "http://www.csrhub.com/CSR_and_sustainability_information/International-Business-
Machines-Corporation-(IBM)",
```

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```
:industrygroups=>["Technology"],

:industries=>

["Computers & Peripherals", "IT & Network Services", "Software & Internet"],

:datasources=>

["Alliance for Board Diversity 2012",

 "Asset4",

 "Brand Finance 2013-14",

 "Brand Finance 2014-15",

 "BSR Member",

 "Best Workplace for Commuters 2013",

 "Best Workplace for Commuters 2014",

 "Better World Companies",

 "CalPERS Proxy Voting 2012",

 "Carbon Disclosure Project 2013 Full Data",

 "Carbon Disclosure Project 2014 Full Data",

 "CDP Water Data 2013",

 "CDP Water Data 2014",

 "Corporate Equality Index 2014",

 "Ceres Climate & Energy Resolutions 2013",

 "Ceres Climate & Energy Resolutions 2014",

 "Climate Counts 2013",

 "The Center for Political Accountability 2011",

 "CR's 100 Best Corporate Citizens 2014",

 "CR's 100 Best Corporate Citizens 2015",

 "Div50 2013",
```

"Div50 2014",

"Diversity, Inc. Top 50 2013",

"Diversity, Inc. Top 50 2014",

"Electronic Industry Citizenship Coalition",

"Environmental Investment Organisation",

"EIRIS",

"EPA e-GGRT 2012",

"Equal Opportunity 2014",

"ET Global Index",

"FCPA Corporate Investigations",

"MSCI Impact Monitor",

"Glassdoor",

"Governance Metrics International",

"Global Reporting Initiative 2013",

"Global RepTrak 2013 Reputation Institute",

"Global RepTrak 2014 Reputation Institute",

"Global RepTrak 2015 Reputation Institute",

"Human Rights Campaign 2014 List",

"Investis IQ",

"MSCI ESG Intangible Value Assessment",

"IW Financial",

"Know The Chain",

"Latina Style 50 2014",

"Top 50 Socially Responsible 2013",

"Top 50 Socially Responsible 2014",

"MSCI ESG CarbonMetrics",

"NAFE Top 50-2014",

"NAFE Top 50-2015",

"Newsweek Top 500 Green Companies 2013",

"Newsweek Top 500 Green Companies 2015",

"Newsweek Top 500 Global Green Companies 2013",

"Newsweek Top 500 Global Green Companies 2015",

"NASDAQ OMX CRD Global Sustainability Index",

"RepRisk ESG Business Intelligence",

"ReportWatch",

"Reputation Quotient",

"SRI-Connect",

"Top Diversity Employers for Hispanics 2014",

"Trucost",

"United Against Nuclear Iran",

"Universum Nordic Most Attractive Employers 2014",

"Vigeo",

"Women's Business Enterprise National Council (WBENC)",

"WEConnect International",

"Working Multicultural Women 2013",

"Working Multicultural Women 2014",

"Working Mother List 2013",

"Working Mother List 2014"],

:datasourcesall=>

["2020 Women on Boards",

"Alliance for Board Diversity 2012",

"Asset4",

"Brand Finance 2012-13",

"Brand Finance 2013-14",

"BSR Member",

"Best Workplace for Commuters 2013",

"Best Workplace for Commuters 2014",

"Better World Companies",

"CalPERS Proxy Voting 2012",

"Carbon Disclosure Project 2012 Full Data",

"Carbon Disclosure Project 2013 Full Data",

"Carbon Disclosure Project 2014 Full Data",

"CDP Water Data 2012",

"CDP Water Data 2013",

"CDP Water Data 2014",

"Corporate Equality Index 2014",

"Ceres Climate & Energy Resolutions 2013",

"Climate Counts 2012",

"Climate Counts 2013",

"The Center for Political Accountability 2011",

"CR's 100 Best Corporate Citizens 2012",

"CR's 100 Best Corporate Citizens 2013",

"CR's 100 Best Corporate Citizens 2014",

"Bloomberg New Energy Finance Index (CREX)",

"Div50 2013",

"Div50 2014",

"Diversity, Inc. Top 50 2013",

"Diversity, Inc. Top 50 2014",

"Electronic Industry Citizenship Coalition",

"Environmental Investment Organisation",

"EIRIS",

"EPA e-GGRT 2011",

"EPA e-GGRT 2012",

"Equal Opportunity 2014",

"FCPA Corporate Investigations",

"MSCI Impact Monitor",

"Governance Metrics International",

"Great Places to Work Latin America 2013",

"Greenpeace Cloud",

"Global Reporting Initiative 2012",

"Global Reporting Initiative 2013",

"Global RepTrak 2012 Reputation Institute",

"Global RepTrak 2013 Reputation Institute",

"Human Rights Campaign 2013 List",

"Human Rights Campaign 2014 List",

"MSCI ESG Intangible Value Assessment",

"IW Financial",

"Know The Chain",

"Latina Style 50 2014",

"Top 50 Socially Responsible 2013",

"Top 50 Socially Responsible 2014",

"Media Tenor",

"NAFE Top 50-2013",

"NAFE Top 50-2014",

"Newsweek Top 500 Green Companies 2013",

"Newsweek Top 500 Global Green Companies 2013",

"NASDAQ OMX CRD Global Sustainability Index",

"PRNews CSR Awards 2012",

"RepRisk ESG Business Intelligence",

"ReportWatch",

"Reputation Quotient",

"SRI-Connect",

"Trucost",

"United Against Nuclear Iran",

"Universum Nordic Most Attractive Employers 2014",

"Vigeo",

"Women's Business Enterprise National Council (WBENC)",

"WEConnect International",

"WeGreen",

"Working Multicultural Women 2012",

"Working Multicultural Women 2013",

"Working Mother List 2013",

"Brand Finance 2008-09",

"Carbon Disclosure Project 2006 and 2007",

"CR's 100 Best Corporate Citizens 2008",

"The CSRI 50--2008",

"Global Reporting Initiative 2007 and 2008",

"Latina Style 2008",

"Working Mother List 2008",

"AccountAbility",

"Carbon Disclosure Project 2008",

"Human Rights Campaign 2008 List",

"CR's 100 Best Corporate Citizens 2009",

"Fortune 1000 list of top companies--2008",

"Best Workplace for Commuters 2009",

"CorporateRegister.com",

"The CSRI 50--2009",

"Chicago Climate Exchange Members",

"Div50 2009",

"Diversity, Inc. Top 50 2010",

"DOD 2010 List of Top 100 Contractors",

"Hispanic Magazine 100 list",

"Human Rights Campaign 2009 List",

"Latina Style 2009",

"Newsweek Top 500 Green Companies 2009",

"Tea Party Patriots Boycott List",

"Black Collegian 2009 (Universum)",

"Working Mother List 2009",

"Global Reporting Initiative 2009",

"Brand Finance 2009-10",

"Covalence Ethical Quotient",

"Equal Opportunity 2009",

"Goodness 500 2009",

"Working Multicultural Women 2009",

"Global Reporting Initiative 2010",

"Carbon Disclosure Project 2009 Full Data",

"Diversity, Inc. Top 50 2009",

"NAFE Top 50-2010",

"CR's 100 Best Corporate Citizens 2010",

"CECP (Committee Encouraging Corporate Philanthropy)",

"EPA Climate Leaders",

"Top 50 Socially Responsible 2010",

"NASDAQ OMX Sustainability Index",

"Div50 2010",

"Latina Style 50 2010",

"Newsweek Top 500 Green Companies 2010",

"Newsweek Top 100 Global Green Companies 2010",

"Brand Finance 2010-11",

"Equal Opportunity 2010",

"Human Rights Campaign 2011 List",

"Working Multicultural Women 2010",

"Working Mother List 2010",

"Climate Counts 2010",

"BlackEngineer Most Admired Companies 2009",

"Top Diversity Employers for Hispanics 2010",

"Carbon Disclosure Project 2010 Full Data",

"CDP Water Data 2010",

"Top 100 Diversity Supplier Programs for Hispanics",

"Alliance for Board Diversity 2011",

"CR's 100 Best Corporate Citizens 2011",

"Glassdoor",

"NAFE Top 50-2011",

"UN Office on Drugs and Crime Anti-Corruption Measures",

"World Business Council for Sustainable Development",

"Newsweek Top 500 Green Companies 2011",

"Newsweek Top 500 Global Green Companies 2011",

"Div50 2011",

"Equal Opportunity 2011",

"Latina Style 50 2011",

"Working Multicultural Women 2011",

"Working Mother List 2011",

"BlackEngineer Most Admired Companies 2011",

"Best Workplace for Commuters 2011",

"Climate Counts 2011",

"Global 100 List 2012",

"Global Reporting Initiative 2011",

"NAFE Top 50-2012",

"GMI Executive Pay Scorecard 2011",

"Green Research Benchmark Reports",

"Carbon Disclosure Project 2011 Full Data",

"CDP Water Data 2011",

"Climate Registry",

"Transparency International",

"GMI Executive Pay Scorecard 2012",

"Corporate Knights Global 100 - 2012",

"Brand Finance 2011-12",

"DOD 2012 List of Top 100 Contractors",

"Diversity, Inc. Top 50 2012",

"Goodness 500 2012",

"Newsweek Top 500 Green Companies 2012",

"Newsweek Top 500 Global Green Companies 2012",

"Div50 2012",

"Top 50 Socially Responsible 2012",

"Brand Finance Brand Value Report 2013",

"Trucost Company Briefing",

"Trucost Benchmark Report",

"RepRisk ESG Business Intelligence Company Report",

"Conference Board Top Executive Pay Report 2012",

"ET Global Index",

"MSCI ESG CarbonMetrics",

"NAFE Top 50-2015",

"Working Multicultural Women 2014",

"Working Mother List 2014",

"Brand Finance 2014-15",

"Ceres Climate & Energy Resolutions 2014",

"Global RepTrak 2014 Reputation Institute",

"Global RepTrak 2015 Reputation Institute",

"Investis IQ",

"Newsweek Top 500 Green Companies 2015",

"Newsweek Top 500 Global Green Companies 2015",

"Top Diversity Employers for Hispanics 2014",

"CR's 100 Best Corporate Citizens 2015"],

:flags=>

["Green Research Benchmark Reports",

"GMI Executive Pay Scorecard 2011",

"Thomson ESG Index US (ESGUS)",

"Calvert Social Index",

"Fortune 1000 list of top companies--2008",

"Fortune 1000 list of top companies--2009",

"Fortune 1000 list of top companies--2010",

"iShares MSCI KLD 400 Social Index Fund",

"Dow Jones Sustainability Index--Global",

"Fortune 500 list of top companies--2012",

"Fortune 500 list of top companies--2011",

"GMI Executive Pay Scorecard 2012",

"Trucost Company Briefing",

"Trucost Benchmark Report",

"Brand Finance Brand Value Report 2013",

"Fortune 500 list of top companies--2013",

"RepRisk ESG Business Intelligence Company Report",

```
    "Conference Board Top Executive Pay Report 2012",

    "Fortune 500 list of top companies--2014"],

 :flagsall=>

  ["Fortune 1000 list of top companies--2008",

   "Calvert Social Index",

   "Fortune 1000 list of top companies--2009",

   "Fortune 1000 list of top companies--2010",

   "Dow Jones Sustainability Index--Global",

   "Green Research Benchmark Reports",

   "GMI Executive Pay Scorecard 2011",

   "Fortune 500 list of top companies--2011",

   "iShares MSCI KLD 400 Social Index Fund",

   "Fortune 500 list of top companies--2012",

   "GMI Executive Pay Scorecard 2012",

   "Trucost Company Briefing",

   "Trucost Benchmark Report",

   "Brand Finance Brand Value Report 2013",

   "Fortune 500 list of top companies--2013",

   "Thomson ESG Index US (ESGUS)",

   "RepRisk ESG Business Intelligence Company Report",

   "Conference Board Top Executive Pay Report 2012",

   "Fortune 500 list of top companies--2014"],

 :namevariants=>

  ["IBM",

   "IBM (International)",
```

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"IBM Corp.",

"IBM Corporation",

"IBM Global Business Services",

"International Bus. Machines",

"International Business Machines",

"International Business Machines (IBM)",

"International Business Machines (IBM) Corp",

"INTERNATIONAL BUSINESS MACHINES CO",

"International Business Machines Corp.",

"International Business Machines Corp. (IBM)",

"INTERNATIONAL BUSINESS MACHINES CORPORATION",

"International Business Machines Corporation (IBM)",

"International Business Machines Corp.",

"INTERNATIONAL BUS.MCHS.",

"InternationalBusinessMachinesCorp.",

"INTL BUSINESS MACH",

"INTL BUSINESS MACHINES CORP"],

:aliasvariants=>

["IBM",

"IBM-(International)",

"IBM-Corp",

"IBM-Corporation",

"IBM-Global-Business-Services",

"International-Bus-Machines",

"International-Business-Machines",

"International-Business-Machines-(IBM)",

"International-Business-Machines-(IBM)-Corp",

"INTERNATIONAL-BUSINESS-MACHINES-CO",

"International-Business-Machines-Corp",

"International-Business-Machines-Corp-(IBM)",

"INTERNATIONAL-BUSINESS-MACHINES-CORPORATION",

"International-Business-Machines-Corporation-(IBM)",

"International-Business-MachinesCorp",

"INTERNATIONAL-BUSMCHS",

"InternationalBusinessMachinesCorp",

"INTL-BUSINESS-MACH",

"INTL-BUSINESS-MACHINES-CORP"],

:alias=>"International-Business-Machines-Corporation-(IBM)"}

Note these sections in this output:

A. **Company information section.** In this section, we give the company's internal ID#, the company's address, and other information for this company. The internal ID# will not change, even if the company's name changes. Note that "dateupdated" is the last date that the company's description, address, etc. were updated. Data updates are done for all companies, monthly.
B. **Ratings section.** In this area, we give the overall rating for the company overall, category, and subcategory ratings.
C. **Special issues section.** If the company was involved in any special issues, they would be listed here.
D. **Profileurl.** This is a link to the page on the CSRHub site where this company's information is reported.
E. **Data sources section.** This lists the data sources who have reported information on this company and gives their code and the link to their Web site. If the data source has given us a link to a specific page on the requested company, the user can request this link using the /company:<cid>/datasource:<dsn>/dslink request.
F. **Flags section.** If the company has been flagged as being included in the Fortune 1000, Calvert Social Fund, etc., the information would appear here.

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Appendix B--List of entities

/average

This entity returns average rating values for various entities. The available sub-entities are:

    A. /company (returns overall ratings for all companies or add a /category:<category> or a /subcategory:<subcategory> sub-entity to get all company category or subcategory ratings)

    B. /country:<country> (the user must specify a country to get overall ratings or add a /category:<category> or a /subcategory:<subcategory> sub-entity to get category or subcategory ratings)

    C. /country:<country>/state:<state> (the user must specify a state to get overall ratings or add a /category:<category> or a /subcategory:<subcategory> sub-entity to get category or subcategory ratings)

    D. /country:<country>/state:<state>/city<city> (the user must specify a city to get overall ratings or add a /category:<category> or a /subcategory:<subcategory> sub-entity to get category or subcategory ratings)

    E. /datasource:<dsn> (the user must specify a data source name to get overall ratings or add a /category:<category> or a /subcategory:<subcategory> sub-entity to get category or subcategory ratings)

    F. /datasource:<dsn>/element: <dse> (the user must specify a data source name and a data source element to get an average for a data source element—only numeric data source elements can be averaged)

    G. /industry:<ind> (the user must specify an industry to get overall ratings or add a /category:<category> or a /subcategory:<subcategory> sub-entity to get category or subcategory ratings)

    H. /industrygroup:<indgroup> (the user must specify an industrygroup to get overall ratings or add a /category:<category> or a /subcategory:<subcategory> sub-entity to get category or subcategory ratings)

    I. /region:<region> (the user must specify a region to get overall ratings or add a /category:<category> or a /subcategory:<subcategory> sub-entity to get category or subcategory ratings)

/company

This entity contains all information about a company and its ratings. Some entries may be empty and will return "null" as a value. The available sub-entities are:

    A. /overall (overall ratings for the company, can be conditioned by pid and/or thedate)

    B. /category (must specify a category, e.g., "/category:Environment")

    C. */subcategory (must specify a subcategory, e.g., "/category:Product")*

    D. */datasource (returns a list of the data sources for this company)*

E. *datasource:<dsn> (returns the name of the data source if this data source reports on this company and "NA" if it does not)*

F. *datasource:<dsn>/element: <element> (when a particular data source and data source element is specified, this function returns the value of the data source element for this company)*

G. *datasource:<dsn>/dslink (returns a link to the page on the data source of this company, when it is available)*

H. *specialissue (returns a list of the special issues that affect this company)*

I. *specialissue:<specialissue> (when a particular special issue is specified, this function returns the issue name and "NA" if it is not)*

J. *industry (returns the company's industry—can be primary, secondary, or tertiary)*

K. *industrygroup (returned the industry group for the specified industry)*

L. *address (returns the company's address)*

M. *city (returns the company's city)*

N. *state (returns the company's state)*

O. *country (returns the country that the company is headquartered in or that is its primary domicile)*

P. *region (returns the region associated with the country)*

Q. *phone (returns the company's phone number)*

R. *zip (returns the company's postal code)*

S. *description (returns a text description of the company)*

T. *website (returns a link to the company's web site)*

U. *ISIN (returns a company's ISIN number)*

V. *ticker (returns a company's ticker)*

W. *csrsite (if available, a link to the area of the company's web site where it discusses its social responsibility performance)*

X. *profileurl (the URL that CSRHub uses for this company on its web site)*

Y. *namevariants (returns any variants of a company's name)*

/count

This entity returns a count of the number of records for a given entity. The available sub-entities are:

A. */company (returns the number of companies in the whole data set)*

B. */company:<cid>/datasource (returns the number of data sources for this company)*

C. */company:<cid>/flag (returns the number of flags for this company)*

D. */company:<cid>/specialissue (returns the number of specialissues for this company)*

E. */country (returns the number of countries in the whole data set)*

F. */datasource (returns the number of data sources in the whole data set)*

G. */element (returns the number of data source elements in the whole data set)*

H. */industry (returns the number of industries in the whole data set)*

/dataset

This entity describes the user's data set. The available sub-entities are:

A. */dataset:currentprofile (returns the date of the user's current profile)*

B. */dataset:current (returns the name of the profile and the date of the user's current profile)*

C. */dataset:earliest (returns the date of the earliest data set available to the user)*

D. */dataset:latest (returns the date of the latest data set available to the user)*

E. */dataset:current (returns the current date for the whole site)*

/datasource

This entity describes data sources. The available sub-entities are:

A. */datasource:<dsn>/element (returns a list of the data elements in the specified data source)*

B. */description (must specify a data source and then returns a description of the data source)*

C. */element:<dse>/max (gives the maximum value for this data source element)*

D. */element:<dse>/min (gives the minimum value for this data source element)*

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E. /dslink (returns the link to the datasource)

/identify

This entity helps users find companies. The available sub-entity is:

A. */identify:<searchstring> (Gives the best guess match for a company, based on a portion of its name, a ticker symbol, etc.)*

/investigate

This entity helps users examine which sources contribute to each rating. The available sub-entities are:

A. */company:<cid>/overall (Returns of a list of the data sources that contributed to the overall rating for a company)*

B. */company:<cid>/category:<category> (Returns of a list of the data sources that contributed to a specified category rating for a company)*

C. */company:<cid>/subcategory:<subcategory> (Returns of a list of the data sources that contributed to the category rating for a company)*

/lookup

This entity helps users create a lookahead search. The available sub-entities are:

A. */lookup:<searchstring>/company (Finds all company names that matches a string and returns them as a list)*

B. */lookup:<searchstring>/country (Finds all countries that matches a string and returns them as a list)*

C. */lookup:<searchstring>/datasource (Finds all data sources that matches a string and returns them as a list)*

D. */lookup:<searchstring>/industry (Finds all industries that matches a string and returns them as a list)*

E. */lookup:<searchstring>/industrygroup (Finds all industry groups that matches a string and returns them as a list)*

F. */lookup:<searchstring>/region (Finds all regions that matches a string and returns them as a list)*

G. *lookup:<searchstring>/specialissue (Finds all special issues that matches a string and returns them as a list)*

H. */datasource:<dsn>/company (Finds all company names that match a string and that are in the named data source)*

/profile

This entity helps users create a lookahead search. The available sub-entities are:

A. */profile:<pid> (Returns information about a profile)*

B. */profile:current (Returns information on the current profile)*

/ratio

This entity returns percentile ratios instead of absolute rankings. The available sub-entities are:

A. */company:<cid> (rating for the company as a percent of all company ratings, can be conditioned by pid and/or thedate)*

B. */company:<cid>/category (must specify a category, e.g., "/category:Environment")*

C. */company:<cid>/subcategory (must specify a subcategory, e.g., "/category:Product")*

D. */company:<cid>/country:<country> (rating for the company as a percent of all company ratings for a given country, can be conditioned by pid and/or thedate)*

E. */company:<cid>/country:<country>/category (must specify a category, e.g., "/category:Environment")*

F. */company:<cid>/country:<country>/subcategory (must specify a subcategory, e.g., "/category:Product")*

G. */company:<cid>/industry:<ind> (rating for the company as a percent of all company ratings for a given industry, can be conditioned by pid and/or thedate)*

H. */company:<cid>/industry:<ind>/category (must specify a category, e.g., "/category:Environment")*

I. */company:<cid>/industry:<ind>/subcategory (must specify a subcategory, e.g., "/category:Product")*

J. */company:<cid>/country:<country> /industry:<ind> (rating for the company as a percent of all company ratings for a given industry-combination, can be conditioned by pid and/or thedate)*

K. */company:<cid>/country:<country>/industry:<ind>/category:<category> (must specify a category, e.g., "/category:Environment")*

L. */company:<cid>/country:<country>/industry:<ind>/subcategory: <subcategory> (must specify a subcategory, e.g., "/category:Product")*

M. */specialissue:<specialissue> (percent of all companies who are affected by this special issue)*

N. */specialissue:<specialissue>/country:<country> (percent of all companies in a country who are affected by this special issue)*

O. */specialissue:<specialissue>/industry:<ind> (percent of all companies in an industry who are affected by this special issue)*

P. */specialissue:<specialissue>/industrygroup:<indgroup> (percent of all companies in an industry group who are affected by this special issue)*

Q. */specialissue:<specialissue>/region:<region> (percent of all companies in a region who are affected by this special issue)*

/search

This entity returns sets of companies that match specific search criteria. The available sub-entities are:

A. */search:country is<country> (returns all companies in a given country)*

B. */search: country is <country> and state is <state> (returns all companies that are in a state, with US companies using two letter abbreviations)*

C. */ search: country is <country> and state is <state> and city is <city> (returns all companies that are in a city in a country). (Note that /search: city is <city> could also be used, if the city name is unique.)*

D. */search:reported by datasource <dsn> (returns all companies in a given data source)*

E. */search:industry is <ind> (returns all companies in a given industry)*

F. */search:industry group is <indgroup> (returns all companies that are in an industry group)*

G. */search:<rating name> <operator> <number> (returns all companies whose rating match the operator and number parameters)*

       Available rating names are:
       a. overall

b. category ratings:
     i. community
     ii. employees
     iii. environment
     iv. governance

c. subcategory ratings:
     i. board
     ii. community dev & philanthropy
     iii. compensation & benefits
     iv. diversity & labor rights
     v. energy & climate change
     vi. environment policy & reporting
     vii. human rights & supply chain
     viii. leadership ethics
     ix. product
     x. resource management
     xi. training health & safety
     xii. transparency & reporting

Available operators are:
a. =
b. >
c. <
d. >=
e. <=

H. /region is <region> (returns all companies that are in this region)

Search arguments can be combined using operators (and, no, or) and modifiers (parenthesis, >, <).

Version Testing

Several functions are available to test the current version of the API. Using the API, request

/api/v2/version

will return version information.

From Excel, use these functions:

A. *CSRHubVersionDate() – Returns the last date on which the CSR Dashboard code was updated.*

B. *CSRHubAPIVersionDate() – Returns the last date on which the API was updated.*

C. *CSRHubAPIVersionNumber() – Returns the Version number of the API.*

Appendix C--List of Parameter Codes

Parameter	Use/meaning
category	The name of one of CSRHub's four rating categories.
cid	Company ID—can be either the internal CSRHub ID or the official CSRHub name.
city	The name of a city.
country	The name of a country. Note there are some special cases such as "USA" for the United States, "South Korea" for the Republic of Korea, etc.
dse	The text used to describe an element of data in a given data source.
dsn	The name of a data source.
ind	The name of an industry.
indgroup	The name of an industry group.
name	User name.
operator	Arithmetic operators.
order	We store up to three industry codes per company. This field indicates which of the three industries the user wants to consider.
pid	Profile ID.
pidname	Profile name (text string)
rating name	A rating type.
region	The name of a region.
searchstring	A string of text that can be translated into an official CSRHub name.
session_id	A 64 character string that uniquely identifies a user and his/her session.
specialissue	The name of a special issue.
state	The name of a state or province. Many countries do not have state names.
subcategory	The name of one of CSRHub's twelve rating subcategories.
thedate	The date of a data set—always in format YYYY-MM-01.
uid	User ID number.

Appendix D—REST-Excel Reference Sheet

	CSRHub Specification for RESTful Access Version 2.3 (January 2016)				
	(Includes equivalent Excel functions, when they are available)				
Purpose	RESTful API Function	Excel Function	Arguments		Description
Average	/api/v2/average/country:<country>/state:<state>/city:<city>	CSRHubAverageCityStateRating	country		Returns average rating for a city (many cities have equal names in different states or countries then state or country specification is required).
			city		
			state	*optional*	
			thedate	*optional*	
			pid	*optional*	
Average	/api/v2/average/country:<country>/state:<state>/city:<city>/category:<category>	CSRHubAverageCityStateRatingCategory	country		Returns average rating for a city by category.
			city		
			state	*optional*	
			category		
			thedate	*optional*	
Average	/api/v2/average/country:<country>/state:<state>/city:<city>/subcategory:<subcategory>	CSRHubAverageCityStateRatingSubcategory	country		Returns average rating for a city by subcategory.
			city		
			state	*optional*	
			subcategory		
			thedate	*optional*	
Average	/api/v2/average/country:<country>	CSRHubAverageCountryRating	country		Returns average

			thed ate	*opt ion al*	rating for a country.
			pid	*opt ion al*	
Aver age	/api/v2/average/country:<country>/categor y:<category>	CSRHubAverageCoun tryRatingCategory	coun try		Returns average
			categ ory		rating for a country by
			thed ate	*opt ion al*	category.
Aver age	/api/v2/average/country:<country>/subcate gory:<subcategory>	CSRHubAverageCoun tryRatingSubcategor y	coun try		Returns average
			subc ateg ory		rating for a country by
			thed ate	*opt ion al*	subcategor y.
Aver age	/api/v2/average/datasource:<dsn>	CSRHubAverageData sourceRating	dsn		Returns average
			thed ate	*opt ion al*	rating for a data
			pid	*opt ion al*	source.
Aver age	/api/v2/average/datasource:<dsn>/category :<category>	CSRHubAverageData sourceRatingCategor y	dsn		Returns average
			categ ory		rating for a data
			thed ate	*opt ion al*	source by category.
Aver age	/api/v2/average/datasource:<dsn>/subcateg ory:<subcategry>	CSRHubAverageData sourceRatingSubcate gory	dsn		Returns average
			subc ateg ory		rating for a data
			thed ate	*opt ion al*	source by subcategor y.
Aver age	/api/v2/average/industrygroup:<ind>	CSRHubAverageIndgr oupRating	indgr oup		Returns average
			thed ate	*opt ion al*	rating for an industry group.

				pid	*opt ion al*	
Aver age	/api/v2/average/industrygroup:\<ind\>/catego ry:\<category\>	CSRHubAverageIndgr oupRatingCategory	indgr oup			Returns average rating for an industry group by category.
			categ ory			
			thed ate	*opt ion al*		
Aver age	/api/v2/average/industrygroup:\<ind\>/subcat egory:\<subcategory\>	CSRHubAverageIndgr oupRatingSubcatego ry	indgr oup			Returns average rating for an industry group by subcategor y.
			subc ateg ory			
			thed ate	*opt ion al*		
Aver age	/api/v2/average/industry:\<ind\>	CSRHubAverageIndu stryRating	ind			Returns average rating for an industry.
			thed ate	*opt ion al*		
			pid	*opt ion al*		
Aver age	/api/v2/average/industry:\<ind\>/category:\<c ategory\>	CSRHubAverageIndu stryRatingCategory	ind			Returns average rating for an industry by category.
			categ ory			
			thed ate	*opt ion al*		
Aver age	/api/v2/average/industry:\<ind\>/subcategory :\<subcategory\>	CSRHubAverageIndu stryRatingSubcatego ry	ind			Returns average rating for an industry by subcategor y.
			subc ateg ory			
			thed ate	*opt ion al*		
Aver age	/api/v2/average/company	CSRHubAverageRatin g	thed ate	*opt ion al*		Average rating for all fully rated companies .
			pid	*opt ion al*		
Aver age	/api/v2/average/company/category:\<catego ry\>	CSRHubAverageRatin gCategory	categ ory			Average category

			thed ate	*opt ion al*	rating for all companies which have this category rated.
Aver age	/api/v2/average/company/subcategory:<sub category>	CSRHubAverageRatin gSubcategory	subc ateg ory		Average subcategor y rating for all companies which have this subcategor y rated.
			thed ate	*opt ion al*	
Aver age	/api/v2/average/region:<region>	CSRHubAverageRegi onRating	regio n		Returns average rating for a region.
			thed ate	*opt ion al*	
			pid	*opt ion al*	
Aver age	/api/v2/average/region:<region>/category:< category>	CSRHubAverageRegi onRatingCategory	regio n		Returns average rating for a region by category.
			categ ory		
			thed ate	*opt ion al*	
Aver age	/api/v2/average/region:<region>/subcategor y:<subcategory>	CSRHubAverageRegi onRatingSubcategory	regio n		Returns average rating for a region by subcategor y.
			subc ateg ory		
			thed ate	*opt ion al*	
Aver age	/api/v2/average/country:<country>/state:<s tate>	CSRHubAverageState Rating	coun try		Returns average rating for a state (many states have equal names in
			state		
			thed ate	*opt ion al*	
			pid	*opt ion*	

				al	different countries then country specificati on is required).
Aver age	/api/v2/average/country:<country>/state:<s tate>/category:<category>	CSRHubAverageState RatingCategory	coun try		Returns average rating for a state by category.
			state		
			categ ory		
			thed ate	*opt ion al*	
Aver age	/api/v2/average/country:<country>/state:<s tate>/subcategory:<subcategory>	CSRHubAverageState RatingSubcategory	coun try		Returns average rating for a state by subcategor y.
			state		
			subc ateg ory		
			thed ate	*opt ion al*	
Com pany	/api/v2/company:<cid>/address	CSRHubCompanyAdd ress	cid		Returns post address for a company.
Com pany	/api/v2/company:<cid>/city	CSRHubCompanyCity	cid		Returns city for a company.
Com pany	/api/v2/company:<cid>/country	CSRHubCompanyCou ntry	cid		Returns country for a company.
Com pany	/api/v2/company:<cid>/csrsite	CSRHubCompanyCsr site	cid		Returns URL that describes company CSR (if available).
Com pany	/api/v2/company:<cid>/description	CSRHubCompanyDes cription	cid		Returns short description of a company.

Com pany	/api/v2/company:<cid>/datasource:<dsn>/d slink	CSRHubCompanyDsL ink	cid		Returns a link to the page on the data source for this company.
			dsn		
Com pany	/api/v2/company:<cid>/industrygroup	CSRHubCompanyInd group	cid		Returns industry group for a company.
			order		
Com pany	/api/v2/company:<cid>/industry	CSRHubCompanyInd ustry	cid		Returns industry for a company. Company may belong to several industries. Order (starting from 1) determine s what industry (primary, secondary etc) we want to get.
			order		
Com pany	/api/v2/company:<cid>/ISIN	CSRHubCompanyISIN	cid		Returns ISIN for a company.
Com pany	/api/v2/company:<cid>/namevariants	CSRHubCompanyNa meVariants	cid		Returns the variants of a company's name.
Com pany	/api/v2/company:<cid>/phone	CSRHubCompanyPho ne	cid		Returns phone number for a company.
Com pany	/api/v2/company:<cid>/profileurl	CSRHubCompanyPro fileURL	cid		Returns URL on the

					CSRHub site that represents a company.
Company	/api/v2/company:<cid>/region	CSRHubCompanyRegion	cid		Returns region for a company.
Company	/api/v2/company:<cid>/state	CSRHubCompanyState	cid		Returns state for a company (if available).
Company	/api/v2/company:<cid>/ticker	CSRHubCompanyTicker	cid		Returns ticker for a company.
Company	/api/v2/company:<cid>/website	CSRHubCompanyWebsite	cid		Returns web site for a company (if available).
Company	/api/v2/company:<cid>/zip	CSRHubCompanyZip	cid		Returns the postal code for a company.
Company	/api/v2/company:<cid>/datasource:<dsn>/element:<element>	CSRHubDsElement	cid		Returns a data element value for a company. Latest element for the specified date is returned. When different data sources have elements with the same name then
			dsn		
			dse		
			thedate	*optional*	

Com pany	/api/v2/company:<cid>/datasource	CSRHubDsList	cid		data source specificati on is required.
			thed ate	*opt ion al*	Returns list of data sources providing data for a company's rating (or marked as "flag"). Excel function returns the results separated by «;».
Com pany	/api/v2/company:<cid>/datasourcesall or /api/v2/company:<cid>/datasource/includeo utdated	CSRHubDsListAll	cid		Returns list of all data sources providing data for a company (but not marked as "flag"). Excel function returns the results separated by «|». /includeou tdated gives all informatio n; /datasourc esall gives only data source names.
Com pany	/api/v2/company:<cid>/datasource:<dsn>	CSRHubDsPresence	cid		Returns
			dsn		data

				thed ate	*opt ion al*	source object if data source provides data for a company's current rating (but not marked as "flag"). "NA" otherwise. API returns "Yes" even if the source is not current.
Com pany	/api/v2/company:\<cid>/datasource:\<dsn>	CSRHubDsPresenceA ll	cid			Returns data source object if data source provides data for a company (but not marked as "flag"). "NA" otherwise.
			dsn			
Com pany	/api/v2/company:\<cid>/flag	CSRHubFlagList	cid			Returns list of flags that a company has in the data set (current is default).
Com pany	/api/v2/company:\<cid>/flag/includeoutdate d	CSRHubFlagListAll	cid			Returns list of flags that a company has in any

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					data set.
Com pany	/api/v2/company:<cid>/flag:<dsn>	CSRHubFlagPresence	cid		Returns data source object if data source provides data for a company that is used the data set (current is default) and is marked as "flag". "NA" otherwise.
			dsn		
			thed ate	*opt ion al*	
Com pany	/api/v2/company:<cid>/flag:<dsn>	CSRHubFlagPresence All	cid		Excel function returns data source object if data source provides data for a company at any time and is marked as "flag". "NA" otherwise. API users must check actual_for _date field in the result.
			dsn		
Com pany	/api/v2/company:<cid>/specialissue	CSRHubIssuesList	cid		Returns list of special
			thed	*opt*	

			ate	*ion al*	issues that a company currently has.
Com pany	/api/v2/company:<cid>/specialissuesall	CSRHubIssuesListAll	cid		Returns list of special issue names that a company has.
Com pany	/api/v2/company:<cid>/specialissue:<special issue>	CSRHubIssuePresenc e	cid		The special issue object if specified company has specified issue currently. "NA" otherwise.
			speci alissu e		
			thed ate	*opt ion al*	
Com pany		CSRHubIssuePresenc eAll	cid		The special issue object if specified company has specified issue. "NA" otherwise. No equivalent API function.
			speci alissu e		
Com pany	/api/v2/company:<cid>/overall	CSRHubRating	cid		Returns overall rating for a company.
			thed ate	*opt ion al*	
			pid	*opt ion al*	
Com pany	/api/v2/company:<cid>/category:<category>	CSRHubRatingCatego ry	cid		Returns category rating for a company.
			categ ory		
			thed ate	*opt ion*	

				al	
Com pany	/api/v2/company:<cid>/subcategory:<subcat egory>	CSRHubRatingSubcat egory	cid		Returns subcategor y rating for a company.
			subc ateg ory		
			thed ate	*opt ion al*	
Coun t	/api/v2/count/company	CSRHubCompaniesC ount	thed ate	*opt ion al*	Returns the number of companies in the data set for the given date.
Coun t	/api/v2/count/country	CSRHubCountriesCo unt	thed ate	*opt ion al*	Returns number of countries that have rated companies .
Coun t	/api/v2/count/datasource	CSRHubDatasources Count	thed ate	*opt ion al*	Returns number of data sources in the data set, for <thedate>.
Coun t	/api/v2/count/datasource/includeoutdated	CSRHubDatasources CountAll	thed ate	*opt ion al*	Returns number of data sources in the data set overall time.
Coun t	/api/v2/count/company:<cid>/datasource	CSRHubDsCount	cid		Returns count of data sources that provide data for a company for <thedate>.
			thed ate	*opt ion al*	

Count	/api/v2/count/company:<cid>/datasource/includeoutdated	CSRHubDsCountAll	cid		Returns count of data sources that provide data for a company at any time.
Count	/api/v2/count/element	CSRHubDsElementsCount	thedate	*optional*	Returns number of data elements in the ratings calculation for <thedate>.
Count	/api/v2/count/element/includeoutdated	CSRHubDsElementsCountAll			Returns number of data elements in the data set.
Count	/api/v2/count/datasource:<dsn>/element:<element>	CSRHubDsElementValuesCount	dsn		Returns count of companies that have value for a specified data element.
			dse		
			thedate	*optional*	
Count	/api/v2/count/company:<cid>/flag	CSRHubFlagCount	cid		Returns count of data sources that are marked as a "flag" for a company for <thedate>.
			thedate	*optional*	
Count	/api/v2/count/company:<cid>/flag/includeoutdated	CSRHubFlagCountAll	cid		Returns count of data sources

					that are marked as a "flag" for a company at any time.
Count		CSRHubIssueCount	cid		Returns count of issues that affect the specified company for <thedate>. No equivalent API function is available.
			thed ate	*opt ion al*	
Count		CSRHubIssueCountAl l	cid		Returns count of issues that affect the specified company at any time. No equivalent API function is available.
			thed ate	*opt ion al*	
Count	/api/v2/count/industry	CSRHubIndustriesCo unt	thed ate	*opt ion al*	Returns the number of industries in the data set.
Data set	/api/v2/dataset:currentprofile	CSRHubDatasetCurre nt			Returns the user's current profile. This is the default data set.
Data set	/api/v2/dataset:earliest	CSRHubDatasetEarlie st			Returns the earliest

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					data set available.
Data set	/api/v2/dataset:latest	CSRHubDatasetLatest			Returns the latest data set available.
Data sour ce	/api/v2/datasource:<dsn>/element	CSRHubDsElements	dsn		Returns a list of the data source elements for this data source.
Data sour ce	/api/v2/datasource:<dsn>/description	CSRHubDsDescriptio n	dsn		Returns description of a data source.
Data sour ce	/api/v2/datasource:<dsn>/element:<dse>/m ax	CSRHubDsElementM ax	dsn		Returns the maximum value for a data source element.
Data sour ce	/api/v2/datasource:<dsn>/element:<dse>/m in	CSRHubDsElementMi n	dsn		Returns the minimum value for a data source element.
Data sour ce	/api/v2/datasource:<dsn>/firstdate	CSRHubDSFirstDate	dsn		Returns the date that data was first gathered for this data source.
Data sour ce	/api/v2/datasource:<dsn>/lastdate	CSRHubDSLastDate	dsn		Returns the most recent date that data was gathered for this

					data source.
Data sour ce	/api/v2/datasource:<dsn>/dslink	CSRHubDsLink	dsn		Returns a link to the data source's original web page.
Ident ify	/api/v2/identify:<searchstring>	CSRHubFindCompan yId CSRHubFindCompan yName	searc hstri ng		Does a best-guess find of a company by part of name. Returns both ID and Name if success for RESTful API. Separate functions for Excel to return name or ID.
Inves tigat e	/api/v2/investigate/company:<cid>/category :<category>	CSRHubCategoryDat aElements	cid		Returns a list of the data sources that contribute d to the overall rating for a company and category, their data element names, and their data element values.
			categ ory		
			thed ate	*opt ion al*	
Inves tigat		CSRHubCategorySou rces	cid		Returns a list of the
			categ		

			ory		data
e			thed ate	*opt ion al*	sources that contributed to the overall rating for a company and category. No equivalent API function is available.
Inves tigat e	/api/v2/investigate/company:<cid>/overall	CSRHubRatingEleme nts	cid		Returns a list of the data sources that contribute d to the overall rating for a company.
			thed ate	*opt ion al*	
Inves tigat e	/api/v2/investigate/company:<cid>/overall	CSRHubRatingSource s	cid		Returns a list of the data sources that contribute d to the overall rating for a company and category.
			thed ate	*opt ion al*	
Inves tigat e	/api/v2/investigate/company:<cid>/subcate gory:<subcategory>	CSRHubSubcategory DataElements	cid		Returns a list of the data sources that contribute d to the overall rating for a company
			subc ateg ory		
			thed ate	*opt ion al*	

					and subcategory.
Investigate		CSRHubSubcategorySources	cid		Returns a list of the data sources that contributed to the overall rating for a company and category. No equivalent API function is available.
			category		
			thedate	*optional*	
Lookup	/api/v2/lookup:<searchstring>/company	CSRHubCompanyNamesList	searchstring		Finds all company names that matches a string.
Lookup	/api/v2/lookup:<searchstring>/country		searchstring		Finds all countries that match a string.
Lookup	/api/v2/lookup:<searchstring>/datasource		searchstring		Finds all data sources that matches a string.
Lookup	/api/v2/lookup:<searchstring>/industry		searchstring		Finds all industries that matches a string.
Lookup	/api/v2/lookup:<searchstring>/industrygroup		searchstring		Finds all industry groups that match a string.

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Look up	/api/v2/lookup:<searchstring>/region			searc hstri ng		Finds all regions that matches a string.
Look up	/api/v2/lookup:<searchstring>/specialissue			searc hstri ng		Finds all special issues that matches a string.
Profi le	/api/v2/profile:<pid>			pid		JSON object that returns informatio n about the specified profile ID
Profi le	/api/v2/profile:current					JSON object that returns informatio n about current profile settings
Ratio	/api/v2/ratio/company:<cid>	CSRHubRatio	cid			Returns ratio of company rating relative to all companies .
			thed ate	*opt ion al*	
			pid	*opt ion al*	
Ratio	/api/v2/ratio/company:<cid>/category:<cate gory>	CSRHubRatioCategor y	cid			Returns ratio of a company category rating.
			categ ory		
			thed ate	*opt ion al*	
Ratio	/api/v2/ratio/company:<cid>/subcategory:<s ubcategory>	CSRHubRatioSubcate gory	cid			Returns ratio of a company subcategor y rating.
			subc ateg ory		
			thed ate	*opt ion al*	

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Ratio	/api/v2/ratio/company:<cid>/country:<country>	CSRHubRatioCountry	cid		Returns ratio of company rating relative to a country.
			country		
			thedate	*optional*	
			pid	*optional*	
Ratio	/api/v2/ratio/company:<cid>/country:<country>/category:<category>	CSRHubRatioCategoryCountry	cid		Returns ratio of a company category rating relative to a country.
			category		
			country		
			thedate	*optional*	
Ratio	/api/v2/ratio/company:<cid>/country:<country>/subcategory:<subcategory>	CSRHubRatioSubcategoryCountry	cid		Returns ratio of a company subcategory rating relative to a country.
			subcategory		
			country		
			thedate	*optional*	
Ratio	/api/v2/ratio/company:<cid>/industry:<industry>	CSRHubRatioIndustry	cid		Returns ratio of company rating relative to an industry.
			ind		
			thedate	*optional*	
			pid	*optional*	
Ratio	/api/v2/ratio/company:<cid>/industry:<industry>/category:<category>	CSRHubRatioCategoryIndustry	cid		Returns ratio of a company category rating relative to an industry.
			category		
			ind		
			thedate	*optional*	
Ratio	/api/v2/ratio/company:<cid>/industry:<industry>/subcategory:<subcategory>	CSRHubRatioSubcategoryIndustry	cid		Returns ratio of a company subcategor
			subcategory		

Type	Endpoint	Class	Parameter		Description
			ind		y rating
			thedate	*optional*	relative to an industry.
Ratio	/api/v2/company:<cid>/country:<country>/industry:<industry>	CSRHubRatioIndustryCountry	cid		Returns ratio of company rating relative to an industry inside country.
			ind		
			country		
			thedate	*optional*	
			pid	*optional*	
Ratio	/api/v2/ratio/company:<cid>/country:<country>/industry:<industry>/category:<category>	CSRHubRatioCategoryIndustryCountry	cid		Returns ratio of a company category rating relative to an industry inside country.
			category		
			ind		
			country		
			thedate	*optional*	
Ratio	/api/v2/ratio/company:<cid>/country:<country>/industry:<industry>/subcategory:<subcategory>	CSRHubRatioSubcategoryIndustryCountry	cid		Returns ratio of a company subcategory rating relative to an industry inside country.
			subcategory		
			ind		
			country		
			thedate	*optional*	
Ratio	/api/v2/ratio/specialissue:<specialissue>	CSRHubRatioIssue	specialissue		Returns ratio of a special issue presence for all companies.
			thedate	*optional*	
Ratio	/api/v2/ratio/specialissue:<specialissue>/country:<country>	CSRHubRatioIssueCountry	specialissue		Returns ratio of a special issue presence
			country		

			thed ate	*opt ion al*	in a country.
Ratio	/api/v2/ratio/specialissue:<specialissue>/ind ustry:<industry>	CSRHubRatioIssueInd ustry	speci alissu e		Returns ratio of a special
			ind		issue
			thed ate	*opt ion al*	presence in an industry.
Ratio	/api/v2/ratio/specialissue:<specialissue>/ind ustrygroup:<industrygroup>	CSRHubRatioIssueInd group	speci alissu e		Returns ratio of a special
			indgr oup		issue presence
			thed ate	*opt ion al*	in an industrygr oup.
Ratio	/api/v2/ratio/specialissue:<specialissue>/reg ion:<region>	CSRHubRatioIssueRe gion	speci alissu e		Returns ratio of a special
			regio n		issue presence
			thed ate	*opt ion al*	in a region.
Sear ch	/api/v2/search:country is <country>	CSRHubSearch(«cou ntry is <country>»)	coun try		Returns all companies
			thed ate	*opt ion al*	in a given country
Sear ch	/api/v2/search:country is <country> and state is <state>	CSRHubSearch(«cou ntry is <country> and state is <state>»)	coun try		Returns all companies
			state		in a given
			thed ate	*opt ion al*	country and state
Sear ch	/api/v2/search:country is <country> and state is <state> and city is <city>	CSRHubSearch(«cou ntry is <country> and state is <state> and city is <city>»)	coun try		Returns all companies
			state	*opt ion al*	in a given country, state and
			city		city
			thed ate	*opt ion al*	

Search	/api/v2/search:industry is <ind>	CSRHubSearch(«industry is <ind>»)	ind		Returns all companies in a given industry
			thed ate	*opt ion al*	
Search	/api/v2/search:industry group is <indgroup>	CSRHubSearch(«industry group is <indgroup>»)	indgr oup		Returns all companies in a given industry group
			thed ate	*opt ion al*	
Search	/api/v2/search:<rating name> <operator> <number>	CSRHubSearch(«<rating name> <operator> <number>»)	ratin g name		Returns all companies that for a rating name/ope rator/num ber combinati on
			oper ator		
			num ber		
			thed ate	*opt ion al*	
Search	/api/v2/search:region is <region>	CSRHubSearch(«region is <region>»)	regio n		Returns all companies in a given region
			thed ate	*opt ion al*	
Search	Many other search options are available. Use Search on the site to get ideas. For instance, these strings will work: first letter is "f"; reported by datasource "Ceres"; not reported by datasource "Ceres"; involved in "animal testing"; not involved in "animal testing"; name contains "anything"; name or description contains "anything". Strings can use operators: "and"; "or"; "but not"; ">"; "<"; "="; ">="; "<=".				
Support	CSRHubAPIVersionDate		none		Returns the last date updated of the API
Support	CSRHubAPIVersionNumber		none		Returns the current version of the API
Support	CSRHubVBAVersionDate		none		Returns the last date updated of the Dashboard Code

Supp ort	CSRHubVBAVersionNumber		none		Returns the current version of the Dashboard Code

Appendix E--Error Handling

If a request fails, the error that is returned will depend upon the problem the system encountered. This is a partial summary of the errors that a user may encounter and their causes:

Request	Errors
Any term that requires a parameter	"No parameter provided."
Average/industry (or industrygroup, country, region, or datasource)	"Unknown entity" = Condition specified does not match the values in the database. For instance, "average/country:Soviet Union" will return this error since there is no country with that name in the system. "Average rating: NA" = Object doesn't exist and cannot be calculated. For instance, an average for a country-industry combination that has no companies in it.
datasource:<dsn>: element:<dse>	"Error: Source parameter not found" = The data source parameter <dsn> did not match a value in the system. "Error: Source name required" = The request is missing an <dsn> parameter. "Error: Element parameter not found" = the element parameter <dse> did not match a value in the system. "Error: Element name required" = the request is missing an <dse> parameter. If a max or min result is not present in the system, the result returned will be "NA".
company: <cid>	"Error: Unknown company" = the <cid> parameter does not match a company name in the system. "Failure: Company name required" = no parameter was specified for <cid> in the request.
datasource: <dsn>	"Error: Unknown datasource <dsn>" = the datasource name is not recognized.