BitSight API
BitSight's API allows developers to integrate our company and industry ratings into their existing systems, such as ServiceNow, or build new applications around the BitSight data. Developers can access the current rating for each company in their portfolio and industry, as well as daily ratings for each company and weekly ratings for their industry. The BitSight Platform is built on open APIs. For more information on our API endpoints, please search our KnowledgeBase.

You access the BitSight API from one of the following URLs:
https://api.bitsighttech.com/ratings/
or
https://api.bitsighttech.com/

Authentication and Token Generation

The BitSight API uses token-based authentication. You can generate an API token from your Account Settings page. Remember, your API token should be treated as a password. Anyone with this token will have information about all companies in your portfolio. If you think your token may have been compromised, you can generate a new one from the same page, which will make the old one invalid. Authentication to the API occurs via HTTP basic authentication. Use your API token as the basic authentication username with no password. All API requests must be made over HTTPS. Calls made over HTTP will fail. You must authenticate for all requests. For more information see the article on API Token Management in our Knowledge Base.

Please use a user token as a Company API token

The API is organized using REST, and can be explored using either cURL or any standard API client. Built-in HTTP features that can be understood by all standard HTTP clients are used, such as basic access authentication. JSON will be returned by default for all responses from the API, including errors. XML responses are available when specified as part of the request (see the XML request example for details). You can find more information on this in our Developer Documents. You can find information on our endpoints here. Please note you will need to be logged into BitSight in order to access these documents. A daily pull of our data as our ratings are updated in one batch each day are suggested. Updates are typically available between 3:00 pm and 5:00 pm Eastern Time. We recommend you schedule your daily data pull after 6:00 pm Eastern Time.

While you may access the full range of API endpoints for enabling workflows for mutual customers, you will initially want to focus on the following API endpoint documentation:
- /portfolio: Get information such as the list of GUIDs for companies in your portfolio, as well as the most up to date ratings information, and the rating category.
- /companies/<GUID>: Get detailed information on a company, including risk vector information (please display the risk vector grades and not the underlying numerical value).

Alerts endpoint:

This endpoint provides data on the alerts and alert details. Use BitSight's alerting to set thresholds on the BitSight data for notification and to prompt action or workflows. You may include in a tool-tip or installation guide that the end-user needs to set the alerts threshold in the BitSight platform.

Linking BitSight Companies in partner application:

Each company has an internal ID called a "Global Unique Identifier (GUID)." This is depicted as a five-part series of letters and numbers (hexadecimal string), separated by dashes.

A company GUID can be found in your portfolio. Go to your Portfolio page, and then click the Companies button to generate a CSV containing security ratings of the selected companies -- each selected company in that dialogue will be in the CSV. The text that is in the "Company ID" field is the GUID for that company.

You will need to store these values to access the company data in your platform.

for a "V1" integration, we typically request the following BitSight Security Ratings information be surfaced:

Data	Endpoint	Notes
BitSight Security Rating & rating date	/portfolio	Returns the GUIDs (global unique identifiers) for all of the companies in a users' BitSight portfolio
Rating Categorization	/defaults **Search for:** - Color of letter grades - Color of Threshold - Threshold Categories (Advanced/Intermediate/Basic) - Risk Categories	These provide the "Basic/Intermediate/Advanced" labels that accompany a security rating - Thresholds: Advanced: 740-900 Intermediate: 640-739 Basic: 250-639
Risk Vector Grades	/companies/\<guid\>	Returns the risk vector grades, as well as the 12-months of historical ratings data
Link back to the BitSight portal	/portfolio	More info in the knowledge base
Platform Alerts	/alerts	Alerting is configured in the BitSightportal- example thresholds are: -Percent Changes of -10% for *Severe*, -5% for *Warn* -If risk vector goes below a certain grade threshold

Company Search API for domain search:
You may choose to leverage the **company search** API, which you can use to search for companies by domain or name (either one will get results, it depends on the preference of the user), and take the most relevant company match returned by either selecting the one at the top automatically or having the customer select from a modal/pop-up with the results of the company search. You can find more information on this API here.
 https://api.bitsighttech.com/companies/search?domain=<domain>
Please note, this endpoint doesn't take a GUID, it retrieves the GUID and then you will need to use the *subscriptions* endpoint to begin monitoring the entity of your choice, followed by the /*companies* or /*portfolios* endpoint to begin retrieving the relevant data.
Please note if you received a 403 errors from the subscriptions endpoint, you do not have sufficient(admin) privileges to apply a BitSight subscription.

For your consideration, many of our customers find this view helpful- The12- Month trend line graphic:
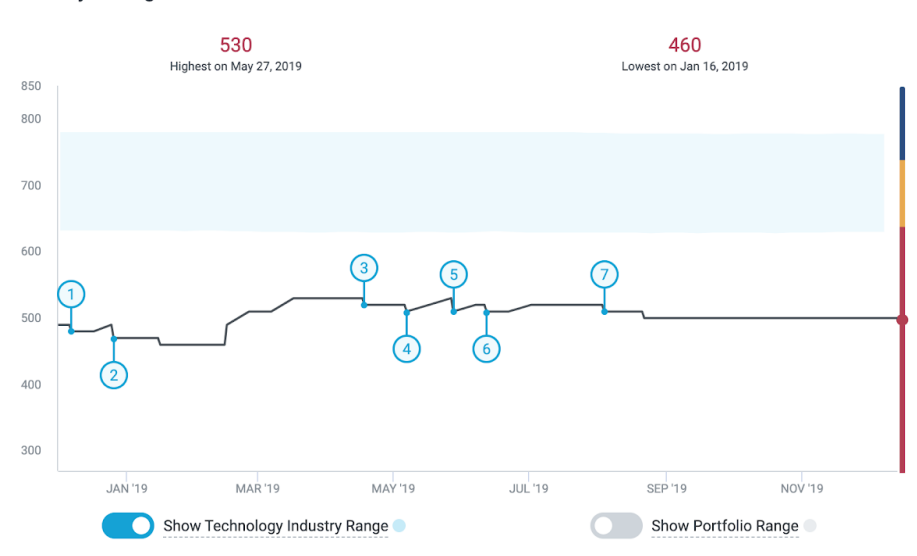
See information below on how to access this:

- The endpoint is:
  https://api.bitsighttech.com/v1/export-views/security-ratings-chart?guid=<company guid>&type=png
- The request will need to include an API Token in the auth header, an example request looks something like:
  > GET
  /v1/export-views/security-ratings-chart?guid=a940bb61-33c4-42c9-9231-c8194c305db3&type=png HTTP/2
  > Host: api.bitsighttech.com
  > authorization: Basic <base64 of the API token>
- The request should take a few seconds; we do not provide server side caching on these requests, but the charts should be good for 24 hours if you want to cache the images, we recommend calling and loading the image at the bottom of a vendor detail view.

- Since the authorization header needs to be included in the request, you will need to proxy the request through your servers or write some custom javascript to make the request on the frontend. But I think you are already doing this to pull the other data.