



Infrastructure Attribution API Guide

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Endpoints

See how an infrastructure is attributed to your organization and manage your infrastructure.

Path	Purpose	Description
/v1/companies/ company _guid/assets	GET: Assets	Get a company's asset information (domains and IP addresses), including asset importance and the number of findings.
/v1/companies/ company _guid/company-tree	GET: Ratings Tree	Retrieve a company's information, followed by all of its subsidiaries. Since subsidiaries may also possess their own subsidiaries that are related to the parent company as part of the bundle, this path continues past the first generation when returning subsidiary data.
/v1/companies/ company _guid/countries	GET: IP Addresses by Country	Get the number of IP addresses in an organization's IP address space, by country.
/v1/companies/ company _guid/infrastructure/ changes	GET: Infrastructure Changes	See changes in your organization's infrastructure (infrastructure changes) and details about the change.
/v1/companies/ company _guid/infrastructure/ reasons	GET: Infrastructure Attribution Reasons	View the reason why an IP or CIDR has been attributed to your organization (infrastructure attributions).
/v1/companies/ company _guid/reports/infrast ructure	GET: My Infrastructure	Get information about your infrastructure.
/v1/companies/infrast ructure/expiration	POST: Set an End Date for Company-Provided Infrastructure	Get the service providers of the products used in a specific domain.

GET: Assets

`https://api.bitsighttech.com/ratings/v1/companies/company_guid/assets`

Get a company's asset information (domains and IP addresses), including asset importance and the number of findings.

⌘ Requires Attack Surface Analytics.

- [Parameters](#)
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Parameters

See [query parameters](#) for details on the following parameters:

- fields
- format (Default: json)
 - csv
 - json
 - xml
- limit (Default: 100)
- offset (Default: 100)
- q
- sort

*Required.

Parameter	Description	Values
asset [Query]	Filter by asset name.	[String] Domain name.
combined_override s.importance [Query]	Filter by asset importance, regardless of whether its importance is calculated or user-assigned.	[String] Comma-separated asset importance. Example: "combined_overrides.importance=medium,none"
company_guid* [Path]	Identify the company to query.	[String] Company unique identifier [company_guid]. See GET: Portfolio Details .
countries⌘	Filter by countries.	[String] Comma-separated country names.

[Query]		
country_codes⌘ [Query]	Filter by countries.	[String] Comma-separated country codes.
hosted_by.guid⌘ [Query]	Filter by hosting providers.	[String] Comma-separated company unique identifiers [company_guid] of service providers. See GET: Service Providers .
hosted_by_isnull [Query]	Filter by assets associated with a hosting provider.	[Boolean] <ul style="list-style-type: none"> true = Include only the assets with an associated hosting provider. false = Include all assets, regardless of a known hosting provider.
importance_categories [Query]	Filter by asset importance.	[String] Comma-separated asset importance.
importance_overrides [Query]	Filter assets by those with user-assigned asset importance.	[String] Comma-separated asset importance. Example: "importance_overrides=medium,none"
ip_address [Query]	Filter by IP address.	[String] IP address.
is_ip [Query]	Filter by asset type (domain or IP address).	[Boolean] <ul style="list-style-type: none"> true = Include only the assets that are IP addresses. false = Include only the assets that are domains.
origin_subsidary_isnull [Query]	Filter by assets that are attributed to a subsidiary.	[Boolean] <ul style="list-style-type: none"> true = Include only the assets that are attributed to a subsidiary. false = Include all assets, regardless of an attributed subsidiary.
origin_subsidary.guid⌘ [Query]	Filter by subsidiaries attributed to assets.	[String] Comma-separated company unique identifiers [company_guid] of subsidiaries. See GET: Ratings Tree .
overrides_isnull [Query]	Filter assets with calculated or	[Boolean]

	user-assigned asset importance.	<ul style="list-style-type: none"> • true = Include only the assets with calculated importance. • false = Include only the assets with user-assigned importance.
product.name-version⌘ [Query]	Filter by product name and version.	<p>[String] Comma-separated product names and version pairings [product:version]. See products>product and products>version in the response.</p> <p>Versions can also be set to:</p> <ul style="list-style-type: none"> • null = Unspecified version. • Empty = Include all versions. <p>Example: ?product.name-version=product:version</p>
product.support⌘ [Query]	Filter by product support status.	<p>[String] Comma-separated support status.</p> <ul style="list-style-type: none"> • current-package • current-version • incomplete-version • obsolete-os-release • obsolete-package • obsolete-version • possible-backports • unknown • unknown-patch-status
product.vendor⌘ [Query]	Filter by vendors of identified products.	<p>[String] Comma-separated company unique identifiers [company_guid] of service providers. See GET: Service Providers.</p>
services⌘ [Query]	Filter by services that require an open port.	<p>[String] Comma-separated service names.</p> <ul style="list-style-type: none"> • Detected Services • Typical Services • Potentially Vulnerable

Example Request

```
curl https://api.bitsighttech.com/ratings/v1/companies/company\_guid/assets
-u api\_token:
```

Example Response

```
{
  "links": {
    "next": "https://api.bitsighttech.com/ratings/v1/companies/a940bb61-33c4-42c9-9231-c8194c305db3/assets?limit=100&offset=100",
    "previous": null
  },
  "count": 4015,
  "results": [
    [...]
    {
      "asset": "12.3.456.789",
      "asset_type": "IP",
      "identifier": null,
      "app_grade": null,
      "ip_addresses": [
        "11.2.333.444"
      ],
      "country_code": "A1",
      "country": "Demo Country 1",
      "hosted_by": {
        "guid": "a5e23bf0-38d4-4cea-aa50-19ee75da481d",
        "name": "Black Hills Technologies"
      },
      "importance": 0.0,
      "importance_category": "low",
      "longitude": -123.1234,
      "latitude": 12.1234,
      "is_ip": true,
      "services": [
        "HTTP",
        "HTTPS"
      ],
      "origin_subsidiary": {
        "guid": "13b3c162-e597-46da-bac9-7dde651a9b2c",
        "name": "Saperix, Inc - Wifi testing"
      },
      "findings": {
        "total_count": 3,
        "counts_by_severity": {
          "severe": 0,
          "material": 0,
          "moderate": 0,
          "minor": 3
        }
      },
      "tags": [
        "Guest WiFi",
        "Corporate Network"
      ],
      "overrides": {
```

```

        "importance":null
      },
      "combined_overrides":{
        "importance":"low"
      },
      "products":[
        ]
      }
    ]
  }
}

```

Response Attributes

Field		Description
links <i>Object</i>		Navigation for paginated results.
	next <i>String</i>	The URL to navigate to the next page of the results.
	previous <i>String</i>	The URL to navigate to the previous page of the results.
count <i>Integer</i>		The number of assets.
results <i>Array</i>		Asset details.
	asset <i>String</i>	The asset name.
	asset_type <i>String</i>	The type of asset.
	identifier <i>Null</i>	For internal BitSight use.
	app_grade <i>String</i>	If the asset is a mobile application ("asset_type": "Android" or "asset_type": "iOS"), this is quantified using the Common Vulnerability Scoring System (CVSS).
	ip_addresses <i>String</i>	The associated IP address.
	country_code🔗 <i>String</i>	The originating country code of this asset.

country⌘ String	The originating country of this asset.
hosted_by⌘ Object	The service provider hosting this asset.
guid String [company_guid]	The unique identifier of the service provider.
name String	The name of the service provider.
importance Decimal	The numeric importance of the asset to the organization.
importance_category String	The asset's importance.
longitude Decimal	The east-west geographic coordinate of the asset's origin.
latitude Decimal	The north-south geographic coordinate of the asset's origin.
is_ip Boolean	<p>The asset type.</p> <p>Values:</p> <ul style="list-style-type: none"> • true = IP Address • false = Domain
services⌘ Array	<p>Running services that require an open port.</p> <ul style="list-style-type: none"> • Detected Services • Typical Services • Potentially Vulnerable
origin_subsidary⌘ Object	Details of the subsidiary attributed to the asset.
guid String [company_guid]	The unique identifier of the subsidiary.
name String	The name of the subsidiary.
findings Object	Finding details in this asset.
total_count Integer	The number of findings in this asset.

	counts_by_severity <i>Object</i>		Finding counts in this asset, grouped by finding severity.
		severe <i>Integer</i>	The number of severe findings.
		material <i>Integer</i>	The number of material findings.
		moderate <i>Integer</i>	The number of moderate findings.
		minor <i>Integer</i>	The number of minor findings.
	tags <i>Array</i>		Infrastructure tags assigned to this asset.
	overrides <i>Object</i>		User-assigned asset importance details.
		importance <i>String</i>	The level of asset importance.
	combined_overrides <i>Object</i>		User-assigned and calculated asset importance.
		importance <i>String</i>	The level of asset importance.
	products🔗 <i>Array</i>		Details of products used within this asset.
		type <i>String</i>	The type of product.
		vendor <i>String</i>	The service provider of this product.
		product <i>String</i>	The name of this product.
		version <i>String</i>	The version of this product.
		support <i>String</i>	The support status of this product.

GET: Ratings Tree

`https://api.bitsighttech.com/ratings/v1/companies/company_guid/company-tree`

Retrieve a company's information, followed by all of its subsidiaries. Since subsidiaries may also possess their own subsidiaries that are related to the parent company as part of the bundle, this path continues past the first generation when returning subsidiary data.

Example Request

```
curl
'https://api.bitsighttech.com/ratings/v1/companies/company_guid/company-tree
' -u api_token:
```

Example Response

```
{
  "guid": "a940bb61-33c4-42c9-9231-c8194c305db3",
  "name": "Saperix, Inc.",
  "rating": 510,
  "industry": "Technology",
  "is_service_provider": false,
  "rating_type": "CURATED",
  "is_subscribed": true,
  "is_primary": false,
  "children": [
    {
      "guid": "eed24cfa-c3ea-4467-aeefa-89648881e277",
      "name": "Saperix Corporate",
      "rating": 750,
      "industry": "Technology",
      "is_service_provider": false,
      "rating_type": "CURATED, SELF-PUBLISHED",
      "is_subscribed": true,
      "is_primary": true,
      "children": [
        [...]
        {
          "guid": "69aecac1-cd14-4e2f-b951-32fda8bb3bb6",
          "name": "Saperix Corporate - US West",
          "rating": 750,
          "industry": "Technology",
          "is_service_provider": false,
          "rating_type": "CURATED, SELF-PUBLISHED",
          "is_subscribed": false,
```

```

        "is_primary":false,
        "children":[
        ]
    }
},
[...],
]
}

```

Response Attributes

Field	Description
guid <i>String</i> [<i>company_guid</i>]	The unique identifier of this company.
name <i>String</i>	The display name of this company.
rating <i>Integer</i>	The current security rating of this company.
industry <i>String</i>	The industry of this company.
is_service_provider <i>Boolean</i>	A true value indicates this company is a service provider.
rating_type <i>String</i>	Indicates how this rating was curated. See rating types .
is_subscribed <i>Boolean</i>	A true value indicates that you're subscribed to this company.
is_primary <i>Boolean</i>	A true value indicates this rating is designated as the primary, which the publisher believes is the most accurate indication of their security posture.
children <i>Object</i>	Contains the subsidiaries of this company.

GET: IP Addresses by Country

https://api.bitsighttech.com/ratings/v1/companies/company_guid/countries

Get the number of IP addresses in an organization's IP address space, by country.

Example Request

```
curl
https://api.bitsighttech.com/ratings/v1/companies/company_guid/countries -u
api_token:
```

Example Response

```
{
  "ipv4": {
    "RU": 2,
    "PT": 1,
    "AL": 1,
    "US": 4765,
    "IT": 28,
    "KR": 2,
    "TH": 1035,
    "CR": 1,
    "MX": 1
  }
}
```

Response Attributes

Field		Description
ipv4 Object		A list of two-letter country codes for counting IPV4 addresses by country.
	Country Code Integer	The number of the organization's IP addresses in that country. Example: "IT": 28

GET: Infrastructure Changes

https://api.bitsighttech.com/ratings/v1/companies/company_guid/infrastructure/changes

See changes in your organization's infrastructure (infrastructure changes) and details about the change.

- Track IP addresses and domains attributed to your organization.
- Stay informed of existing infrastructure elements and new items that are added to your infrastructure.
- Work with registrars to keep registrations up-to-date (if applicable). Such quick turnarounds will ensure that an organization's BitSight Security Rating will correctly reflect their security posture.

Parameters

***Required.**

See [query parameters](#) for details on the following parameters:

- limit (Default: 100)
- offset (Default: 100)

Parameter	Description	Values
change_date [string, query]	Filter by when the infrastructure was changed.	YYYY-MM-DD
county [string, query]	Filter by country of origin.	Two-letter country code.
guid* [string, path]	Identify the organization to query.	Your organization's company unique identifier [company_guid]. See GET: Portfolio Details .
infrastructure_type [string, query]	Filter by asset type.	<ul style="list-style-type: none">• CIDR• domain
source [string, query]	Filter by the data source.	The data source. See infrastructure data sources .

Example Request

```
curl
https://api.bitsighttech.com/ratings/v1/companies/a940bb61-33c4-42c9-9231-c8194c305db3/infrastructure/changes -u api\_token:
```


Example Response

```
{
  "count": 1,
  "links": {
    "next":
      "https://service.bitsighttech.com/companies/guid/a940bb61-33c4-42c9-9231-c8194c305db3/infrastructure/changes?limit=100&offset=100",
    "prev": null
  },
  "results": [
    {
      "change_date": "2020-12-20",
      "company": {
        "guid": "a940bb61-33c4-42c9-9231-c8194c305db3",
        "name": "Saperix, Inc."
      },
      "country": null,
      "end_date": null,
      "infrastructure": "206.255.90.67",
      "infrastructure_change_type": "REMOVAL",
      "infrastructure_type": "CIDR",
      "prev_end_date": null,
      "source": "User Provided",
      "start_date": "2011-01-01"
    }
  ],
  "summaries": {
    "company": [
      {
        "company": "Saperix, Inc.",
        "guid": "a940bb61-33c4-42c9-9231-c8194c305db3"
      }
    ],
    "country": [
      "IT",
      "TH",
      "US"
    ],
    "source": [
      "APNIC",
      "RIPE",
      "User Provided"
    ]
  }
}
```

```
}
```

Response Attributes

Field		Description
count <i>Integer</i>		The number of changes.
links <i>Object</i>		Navigation for multiple pages of results.
next <i>String</i>		The URL to navigate to the next page of results.
prev <i>String</i>		The URL to navigate to the previous page of results.
results <i>Array</i>		Infrastructure change details.
change_date <i>String</i> [YYYY-MM-DD]		The date when the change occurred.
company <i>Object</i>		Company details.
guid <i>String</i> [company_guid]		The unique identifier of the company.
name <i>String</i>		The name of the company.
country <i>String</i>		The country code of the registration location.
end_date <i>String</i> [YYYY-MM-DD]		The date when the infrastructure stopped being attributed to the company.
infrastructure <i>String</i>		The attributed asset (CIDR block, IP address, or domain name).
infrastructure_change_type <i>String</i>		The type of change.
infrastructure_type <i>String</i>		The type of asset (CIDR or DOMAIN).
prev_end_date		The date when the infrastructure is no longer active.

	String [YYYY-MM-DD]	
	source String	The infrastructure data source.
	start_date String [YYYY-MM-DD]	<p>The date when the infrastructure was attributed to the company. Depending upon the source of the data, this date might be set to a prior date on which the infrastructure attribution was discovered by our network mapping process.</p> <div>  <p>The 2011-01-01 date is considered as the beginning of time in the BitSight platform. As a result, many entries use this as a start date.</p> </div>
	summaries Object	Company, country, and source details.
	company Array	Company details.
	company String	The name of this company.
	guid String [company_guid]	The unique identifier of this company.
	country Array	The country code of registration locations.
	source Array	Infrastructure data sources used to attribute infrastructure.

GET: Infrastructure Attribution Reasons

https://api.bitsighttech.com/ratings/v1/companies/company_guid/infrastructure/reasons

View the reason why an IP or CIDR has been attributed to your organization (infrastructure attributions).

- Track IP addresses and CIDR blocks attributed to your organization.
- Work with [registrars](#) to keep registrations up-to-date (if applicable). Such quick turnarounds will ensure that an organization's BitSight Security Rating will correctly reflect their security posture.

Parameters

***Required.**

Parameter	Description	Values
all_matching_cidrs [boolean, query]	Flag to get reasons for all CIDR matches.	true = Get the attribution reasons for all matching CIDR blocks.
guid* [string, path]	Identify the organization to query.	Your organization's company unique identifier [company_guid]. See GET: Portfolio Details .
net_cidr* [string, query]	Identify the IP or CIDR to query.	An IP address or CIDR block that belongs to your organization.
include_subsidiaries [boolean, query]	Include reasons for your subsidiaries.	true = Include reasons for your subsidiaries.

Example Request

```
curl https://api.bitsighttech.com/ratings/v1/companies/a940bb61-33c4-42c9-9231-c8194c305db3/infrastructure/reasons?net_cidr=217.141.213.96/30 -u api_token:
```

Example Response

```
[
  {
    "reasons": [
      {
        "category": "CIDR_network_description",
        "value": "TELECOM ITALIA SPA"
      }
    ],
    "source": "RIPE",
    "cidr": "217.141.213.96/30",
    "virtual_as": [
      "Mock as - ripe - Manual"
    ]
  }
]
```

Response Attributes

Field		Description
reasons Array		Infrastructure attribution details.
	category String	For internal BitSight use to provide a description of the source for attributing the IP or CIDR to the company.
	value String	The name of the CIDR network.
source String		The infrastructure data source.
cidr String		The attributed IP or CIDR block.
virtual_as Array		For internal BitSight use to identify a group of CIDR blocks.

GET: My Infrastructure

https://api.bitsighttech.com/ratings/v1/companies/company_guid/reports/infrastructure

Use this endpoint to get information about your infrastructure.

- Track IP addresses and domains attributed to your organization.
- Stay informed of existing infrastructure elements and new items that are added to your infrastructure.
- Work with registrars to keep registrations up-to-date (if applicable). Such quick turnarounds will ensure that an organization's BitSight Security Rating will correctly reflect their security posture.

Parameters

***Required.**

Parameter	Description	Values
active_only [Query]		[Boolean] <ul style="list-style-type: none">• true = Include only active CIDR blocks.• false (default) = Include all CIDR blocks.
company_guid* [Path]	Identify the company to query.	[String] Company unique identifier [company_guid]. See GET: Portfolio Details .
-o my_infrastructure.csv [Query]	Writes the CSV data to the my_infrastructure.csv file.	[String]
format* [Query]	Formats the response as a CSV.	[String] csv
type* [Query]	Filter by asset type.	[String] <ul style="list-style-type: none">• ip• domain

Example Request

Ensure you write the response to a file or prepare another system to receive the data stream.

```
curl
'https://api.bitsighttech.com/ratings/v1/companies/company_guid/reports/infr
astructure/?format=csv&type=ip' -u api_token: -o my_infrastructure.csv
```

Example Response

The response will be CSV data.

```
CIDR Block,Link,Country,AS Number,Start Date,End Date,Attributed To,IP
Count,Tags
192.168.175.182/29,,TH,,2013-02-04,2018-04-20,"Saperix, Inc.",8,Corporate
Wi-Fi
192.168.1.184/30,,TH,,2009-06-04,Active,"Saperix, Inc.",4,
192.168.5.50,,,,2011-01-01,Active,"Saperix, Inc.",1,
192.168.97.245,,,,2011-01-01,Active,"Saperix, Inc.",1,
192.168.66.168,,,,2011-01-01,Active,"Saperix, Inc.",1,Boston User Network
192.168.200.53,,,,2011-01-01,Active,"Saperix, Inc.",1,
192.168.127.231,,,,2011-01-01,Active,"Saperix, Inc.",1,
192.168.115.75,,,,2011-01-01,Active,"Saperix, Inc.",1,
,,,,,,
Disclaimer: This document contains sensitive information intended only for
authorized viewers. Use of this data must adhere to the BitSight Terms and
Conditions.,,,,,,,
```

POST: Set an End Date for Company-Provided Infrastructure

<https://api.bitsighttech.com/ratings/v1/companies/infrastructure/expiration>

Set an end date for company-provided infrastructure. The removal of company-provided infrastructure takes 1-2 days to process. This change will affect your rating if there are any associated findings.



Only Admin or Group Admin can set an end date for company-provided infrastructure.

Parameters

*Required.

Parameter		Description	Values
infrastructure_type [string, data]		Identify the type of infrastructure.	cidr
expirations [array, data]		Infrastructure to set an end date.	Comma-separated infrastructure objects. Limit: 50 objects.
	company* [string, data]	Identify the company attributed to the infrastructure.	Company unique identifier [company_guid]. See GET: Ratings Tree .
	infrastructure* [string, data]	Identify the infrastructure.	The IP address or CIDR.
	end_date [string, data]	The date to set as the end date.	The end date [YYYY-MM-DD], which could be any day from 2011-01-01 (the start of the BitSight platform) through “today.” Future dates are not permitted. Default: Date of request (today).

Example Request

cURL:

```
curl -X POST --data-ascii '{
  "infrastructure_type": "cidr",
  "expirations": [
    {
      "company": "a940bb61-33c4-42c9-9231-c8194c305db3",
      "infrastructure": "12.3.456.7/20",
      "end_date": "2020-01-01"
    }
  ]
}'
https://api.bitsighttech.com/ratings/v1/companies/infrastructure/expiration
-u api_token: --header "Content-Type:application/json"
```

JSON:

```
{
  "infrastructure_type": "cidr",
  "expirations": [
    {
      "company": "a940bb61-33c4-42c9-9231-c8194c305db3",
      "infrastructure": "12.3.456.7/20",
      "end_date": "2020-01-01"
    }
  ]
}
```

Response Codes

See the [common errors and status codes](#).

Code	Description
201	End date request successfully submitted.
400	Bad data.
401	Unauthorized.
403	You do not have control over the infrastructure and are not permitted to modify it.
404	The specified resource was not found.

API Fields: Asset Importance

BitSight asset importance estimates the importance of the underlying IP or domain/host to the organization, as visually depicted in the Asset Risk Matrix.

Values

The None asset importance option can be manually assigned, which then excludes specific assets to provide a more specific prioritization of findings, like Guest Wi-Fi network exit IPs from the Asset Risk Matrix.

Importance	Slug Name	Numerical Values
Low	low	0 % .005
Medium	medium	.005 % .075
High	high	.075 % .5
Critical	critical	.5 % 1
None	null	null

Assigned Importance

Users may assign an importance level to assets in their SPM companies (My Company, SPM Subsidiary, and subscribed companies in the same Ratings Tree as the My Company).

- The importance of user-assigned assets replaces the BitSight-calculated asset importances any time importances are referenced (e.g., Assets, Asset Risk Matrix on the remediation tab, Attack Surface Analytics charts).
- User-assigned importances are visible to all users in your organization who can see the company where the asset importance was customized. They are not visible to any third parties monitoring your organization.

Types

- **User Importance:** The user-assigned asset importance.
- **Calculated Importance:** The BitSight-calculated asset importance.

API Fields: Infrastructure Data Sources

Network infrastructure attribution data sources:

- CERTIFICATES
- Regional internet registries:
 - ARIN
 - APNIC
 - AFRINIC
 - JPNIC
 - KRNIC
 - LACNIC
 - RIPE
 - TWNIC
- RWHOIS
- User Provided = Provided by the company.
- Whois

API Fields: Rating Types

To best manage risk, using the BitSight-curated version in your portfolio rather than the self-published rating is suggested. However, your approach may vary depending on your relationships with the companies in your portfolio.

Description	Slug Name
BitSight-curated – The default designation.	CURATED
Self-published – This has its own BitSight Security Rating Report, which consist of CIDR blocks, IP addresses, and domains that are specifically selected by the company itself, rather than curated by BitSight.	SELF_PUBLISHED
Privately published – These are created by an organization for internal use and are not available for other organizations to monitor. They do not appear in searches by other BitSight customers.	PRIVATE

Related Endpoints

Path	Purpose	Field
/v1/companies/ company_guid /company-tree	GET: Ratings Tree	rating_type

Parameters

Path Parameters

GET: Finding Details

`https://api.bitsighttech.com/ratings/v1/companies/company_guid/findings`

Get an organization's finding details.

GET: Portfolio Details

`https://api.bitsighttech.com/ratings/v2/portfolio`

Get information about the companies in your portfolio.

GET: Service Providers

`https://api.bitsighttech.com/ratings/v1/portfolio/providers`

Get all service providers for the companies in your portfolio.

Query Parameters

Access key/value pairs for filtering or sorting.

Append a question mark (?) to the URL to indicate the start of a query parameter. Additional query parameters are indicated with an ampersand (&), and if present, the URL should be wrapped with double quotes (").

Example:

```
curl "https://example.com/endpoint?key1=value1&key2=value2"
```

Parameter	Description	Values
fields [string]	Filter by fields (keys).	Comma-separated field names. Field names are the names of the fields in the response object. The order of the specific fields might not be reflected in the response.
format [string]	Set the format of the response data.	Example: json
limit [integer]	Set the maximum number of results. The results might include fewer records (even	If not set, the default number of results can vary depending on the

	zero), but not more.	endpoint.
offset [integer]	Set the starting point of the return.	A 0 (zero) value starts the results from the first record in the result set.
q [string]	Perform a full-text search for matching records on all searchable fields.	
sort [string]	Sort the response objects in ascending order (A to Z).	<p>Comma-separated field names. Field names are the names of the fields in the response object. To sort in descending order, place a minus sign (-) immediately before the field name.</p> <p>Example: 'key_1, -key_2' first sorts by ascending key_1, and then by descending key_2.</p>

Errors and Status Codes

We use standard HTTP response codes to indicate success or failure of an API request. Typically, codes in the 2xx range indicate success, codes in the 4xx range indicate an error that resulted from the provided information (e.g., a required parameter was missing), and codes in the 5xx range indicate an error with our servers.

Code	Status	Description
200	Okay	Everything worked as expected.
400	Bad Request	Often missing a parameter.
401	Unauthorized	No valid API token provided with the request.
402	Request Failed	Parameters were valid but the request failed.
403	Rate Limit Reached	To maintain performance, requests are limited. Please wait 1 minute, and then try again. <ul style="list-style-type: none">• In general, rates are limited to 5000 requests within 5 minutes.• In times of heavy processing, rates might be limited to 100 requests within 5 minutes.
404	Not found	The requested item or resource doesn't exist.
405	Method not allowed	An unsupported request type was attempted.
409	Conflict	There's a discrepancy between the request and the target resource. Check the resource, resolve any conflicting information, and then try again. Refer to Cloudflare Troubleshooting for more information.
500 502 503 504	Server errors	Something went wrong on the BitSight end.
524	Time Out	The connection to the web server was successful, but the connection timed out. Refer to Cloudflare Troubleshooting for more information.