Manage Fourth Parties via API

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Use these endpoints to view details of the service providers for your third parties and manage your fourth parties, available with BitSight for 4th Party Risk Management:

- View service provider details of your third parties.
- View products associated with service providers.
- Assess the importance and criticality of the provider and their providers to companies in your portfolio.

Endpoints

Companies

Path	Purpose	Description
/v1/companies/company_guid/domains/domain_name/providers	GET: Service Providers for a Specific Domain	Get the service providers of the products used in a specific domain.
/v1/companies/company_guid/products	GET: Products of a Company	Get the enterprise products used at the domains of a particular company.
/v1/companies/company_guid/products/product_guid/domains	GET: Domains of a Company Using a Specific Product	List the domains that belong to a company using a specific service provider product.
/v1/companies/company_guid/providers	GET: Service Providers of a Specific Company	Get the service providers that a specific company depends on.
/v1/companies/company_guid/providers/provider_guid/domains	GET: Shared Service Provider Domains	Get the domains that are shared by a company and their service provider.

The following endpoints include information for all companies in the Ratings Tree of a selected third party:

Path	Purpose	Description
/v1/companies/company_guid/company-tree/products	GET: Products in a Ratings Tree	Get service provider products that are used by companies in a Ratings Tree.
/v1/companies/company_guid/company-tree/products/product_guid/companies	GET: Product Usage of Companies in a Ratings Tree	List the third parties in a Ratings Tree that use a particular service provider product.

/v1/companies/`company_guid`/company-tree/product-types	[GET: Product Types in a Ratings Tree](#)	List the product types used by all companies in the Ratings Tree of a third party.
/v1/companies/`company_guid`/company-tree/providers	[GET: Service Providers of a Third Party](#)	Get all service providers for the entire Ratings Tree of one of the companies you're monitoring.
/v1/companies/`company_guid`/company-tree/providers/`provider_guid`/companies	[GET: Dependency on a Specific Service Provider in a Ratings Tree](#)	Get the companies in a Ratings Tree that depend on a specific service provider.
/v1/companies/`company_guid`/company-tree/providers/`provider_guid`/products	[GET: Products of a Specific Service Provider in a Ratings Tree](#)	Get the products provided by a specific service provider to companies within a Ratings Tree.

Folders

Path	Purpose	Description
/v1/folders/`folder_guid`/products	[GET: Products in a Folder](#)	Get service provider products that companies in a folder depend on.
/v1/folders/`folder_guid`/products/`product_guid`/companies	[GET: Product Usage of Companies in a Folder](#)	List the third parties in a folder that use a particular service provider product.
/v1/folders/`folder_guid`/product-types	[GET: Product Types in a Folder](#)	Get the service provider product types that are used by all companies in a particular folder.
/v1/folders/`folder_guid`/providers	[GET: Service Providers in a Folder](#)	Get all service providers that companies in a specific folder depend on.
/v1/folders/`folder_guid`/providers/`provider_guid`/companies	[GET: Companies in a Folder that Depends on a Specific Service Provider](#)	Get all companies within a folder that depends on a specific service provider.
/v1/folders/`folder_guid`/providers/`provider_guid`/products	[GET: Products in a Specific Folder](#)	Get the products of a particular service provider used by companies within a specific folder.

Portfolio

Path	Purpose	Description
/v1/portfolio/products	GET: Portfolio Products	Get the service provider products used by companies in your portfolio.
/v1/portfolio/products/product_guid/companies	GET: Product Usage of Companies in Your Portfolio	List the third parties in your portfolio that use a particular service provider product.
/v1/portfolio/product-types	GET: Product Types in Your Portfolio	List the product types used by third parties in your portfolio.
/v1/portfolio/providers	GET: Service Providers	Get all service providers for the companies in your portfolio.
/v1/portfolio/providers/provider_guid/companies	GET: Portfolio Companies Dependent on a Specific Service Provider	Get the companies in your portfolio that depend on a specific service provider.
/v1/portfolio/providers/provider_guid/products	GET: Service Provider Products in Your Portfolio	Get the products provided by a specific service provider in your portfolio.

Products

Path	Purpose	Description
/v1/products/product_guid	GET: Product Details	Get information about a particular service provider product.
/v1/products/product_guid/companies	GET: Companies Using a Product	Get the companies in your portfolio that use a particular product.

Providers

Path	Purpose	Description
/v1/providers/provider_guid	GET: Service Provider Details	Get information about a specific service provider.

Tiers

Path	Purpose	Description
/v1/tiers/tier_guid/products/product_guid/companies	GET: Product Usage of Companies in a Tier	List the third parties in a tier that use a particular service provider product.
/v1/tiers/tier_guid/product-types	GET: Product Types in a Tier	List the product types used by third parties in a tier.
/v1/tiers/tier_guid/providers	GET: Service Providers in a Tier	Get all service providers within a tier.
/v1/tiers/tier_guid/providers/provider_guid/companies	GET: Tiered Companies Dependent on a Specific Service Provider	Get companies within one of your tiers that depends on a specific service provider.
/v1/tiers/tier_guid/providers/provider_guid/products	GET: Service Provider Products in a Tier	Get the service provider products within a tier.

GET: Service Providers for a Specific Domain

`https://api.bitsighttech.com/ratings/v1/companies/company_guid/domains/domain_name/providers`

Get the service providers of the products used in a specific domain.

Parameters
*Required.

See query parameters for details on the following parameters:

- `fields`
- `limit`
- `offset`
- `q`
- `sort`

Parameter	Description	Values
company_guid* [*string, path*]	Identify the company to query.	Company unique identifier [`company_guid`]. See GET: Portfolio Details.
domain_name* [string, path]	Identify the domain of the company to query.	Domain name. **Example:** `saperix.com`

Example Request
```
curl
https://api.bitsighttech.com/ratings/v1/companies/company_guid/domains/domain_name/providers -u api_token:
```

Example Response
```
{
[…]
    {
        "provider_guid":"bbbbbbbb-3333-bbbb-3333-bbbbbbbbbbbb",
        "provider_name":"Example Provider LLC",
        "provider_industry":"Technology",
        "product_types":[
            "CDN (Content Delivery Network)",
            "CMS (Content Management System)",
            "Email",
            "Hosting",
            "Search Engines"
```

```
        ],
        "company_count":1,
        "product_count":4,
        "domain_count":1,
        "relative_importance":0.46875,
        "percent_dependent":6.3,
        "percent_dependent_company":100.0,
        "relative_criticality":"high"
    }
  ]
}
```

Response Attributes

Field	Description
provider_guid *String* [company_guid]	The unique identifier of this service provider.
provider_name *String*	The name of this service provider.
provider_industry *String*	The industry of this service provider.
product_types *Array*	The category of services provided by this product.

Errors
See the list of common errors and status codes.

Code	Status	Description
404	Not found	The domain does not belong to the company.

GET: Products of a Company

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

Get the enterprise products used at the domains of a particular company.

Parameters
*Required.

See query parameters for details on the following parameters:

- `fields`
- `limit` (Default All)
- `offset`
- `q`
- `sort`

Parameter	Description	Values
company_guid* [string, path]	The company to query.	Company unique identifier [company_guid]. See GET: Portfolio Details.

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

Example Response
```
[
    {
        "product_guid":"55555555-pppp-rrrr-oooo-dddddddddddd",
        "product_name":"Black Hills POS",
        "product_types":[
            "Order Management"
        ],
        "provider_guid":"a5e23bf0-38d4-4cea-aa50-19ee75da481d",
        "provider_name":"Black Hills Technologies",
        "provider_industry":"Technology",
        "company_count":1,
        "domain_count":2,
        "percent_dependent":8.3,
        "percent_dependent_company":100.0,
        "relative_importance":0.10714285714285714,
        "relative_criticality":"high",
        "relationship_source":"bitsight"
    }
]
```

Response Attributes
The server will return an array with the following object:

Field	Description
product_guid *String* [product_guid]	The unique identifier of the product.
product_name *String*	The name of the product.
provider_name *String*	The name of the product provider.
product_types *Array*	The category of services provided by this product.
provider_guid *String* [company_guid]	The unique identifier of the service provider.
provider_name *String*	The name of the product provider.
provider_industry *String*	The industry of the service provider.
company_count *Integer*	The number of companies that use this product.
domain_count *Integer*	The number of domains that use this product.
percent_dependent *Decimal*	The percentage of assets (domains) in this response that depends on this product.
percent_dependent_company *Decimal*	The percentage of companies in this response that depend on this product.
relative_importance *Decimal*	A measurement of this product's importance. **Values:** • 0 ⇆ .005 = Low Criticality • .005 ⇆ .075 = Medium Criticality • .075 ⇆ .5 = High Criticality • .5 ⇆ 1 = Critical Criticality

| relative_criticality
String | Reiterates the relative_importance field.

Values:
   • low = 0 ≤ .005 Importance
   • medium = .005 ≤ .075 Importance
   • high = .075 ≤ .5 Importance
   • critical = .5 ≤ 1 Importance |
| relationship_source
String | How the relationship between this company and the service provider was curated. See [fourth party relationships](). |

GET: Domains of a Company Using a Specific Product

`https://api.bitsighttech.com/ratings/v1/compani es/company_guid/products/product_guid/domains`

List the domains that belong to a company using a specific service provider product.

Parameters
*Required.

See query parameters for details on the following parameters:

- fields
- limit
- offset
- q
- sort

Parameter	Description	Values
company_guid* [string, path]	Identify the company to query.	Company unique identifier [company_guid]. See GET: Portfolio Details.
product_guid* [string, path]	Identify a service provider product to query.	Product unique identifier [product_guid]. See GET: Products of a Company.

Example Request
```
curl
https://api.bitsighttech.com/ratings/v1/companies/company_guid/products/produc
t_guid/domains -u api_token:
```

Example Response
```
{
    "count":2,
    "results":[
[…]
        {
            "importance":0.0,
            "criticality":"low",
            "domain_name":"kennedymotors.com",
            "product_count":13
        }
    ]
}
```

Response Attributes

Field	Description
count *Integer*	The number of domains that belong to the company.
results *Array*	Product usage details of the company, grouped by their domains.

importance
    Decimal
	A measurement of the product's importance.
	
	Values:
	   • `0` ⮀ `.005` = Low Criticality
	   • `.005` ⮀ `.075` = Medium Criticality
	   • `.075` ⮀ `.5` = High Criticality
	   • `.5` ⮀ `1` = Critical Criticality

criticality
    String
	Reiterates the `importance` field.
	
	Values:
	   • `low` = `0` ⮀ `.005` Importance
	   • `medium` = `.005` ⮀ `.075` Importance
	   • `high` = `.075` ⮀ `.5` Importance
	   • `critical` = `.5` ⮀ `1` Importance.

domain_name *String*	The name of this domain.
product_count *Integer*	The number of shared products in the domain.

GET: Service Providers of a Specific Company

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

Get the service providers that a specific company depends on.

Parameters
*Required.

See query parameters for details on the following parameters:

- fields
- limit (Default: All)
- offset
- q
- sort

Parameter	Description	Values
company_guid* [string, path]	Identify the company to query.	Company unique identifier [company_guid]. See GET: Portfolio Details.

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

Example Response
```
{
[…]
    {
        "provider_guid":"dddddddd-5555-dddd-5555-dddddddddddd",
        "provider_name":"Example Provider, Inc.",
        "provider_industry":"Technology",
        "product_types":[
            "Network Management",
            "Server Technologies"
        ],
        "company_count":1,
        "product_count":1,
        "domain_count":9,
        "relative_importance":3.125,
        "percent_dependent":56.3,
        "percent_dependent_company":100.0,
        "relative_criticality":"critical",
        "relationship_source":"bitsight"
    }
```

```
    ]
}
```

Response Attributes

Field	Description
provider_guid *String* [company_guid]	The unique identifier of this service provider.
provider_name *String*	The name of this service provider.
provider_industry *String*	The industry of this service provider.
product_types *Array*	The category of services provided by this product.
relative_criticality *String*	Reiterates the relative_importance field. **Values:** • low = 0 ⪕ .005 Importance • medium = .005 ⪕ .075 Importance • high = .075 ⪕ .5 Importance • critical = .5 ⪕ 1 Importance
relationship_source *String*	How the relationship between this company and the service provider was curated. See fourth party relationships.

Errors and Status Codes

See common errors and status codes.

```
200
```

GET: Shared Service Provider Domains

`https://api.bitsighttech.com/ratings/v1/compani`
`es/`company_guid`/providers/`provider_guid`/domains`

Get the domains that are shared by a company and their service provider.

Parameters
*Required.

See query parameters for details on the following parameters:

- fields
- limit
- offset
- q
- sort

Parameter	Description	Values
company_guid* [string, path]	Identify the company to query.	Company unique identifier [company_guid]. See GET: Portfolio Details.
provider_guid* [string, path]	Identify the service provider of the company to query.	Company unique identifier [company_guid]. See GET: Service Providers for a Specific Domain.

Example Request
curl
https://api.bitsighttech.com/ratings/v1/companies/company_guid/providers/provider_guid/domains -u api_token:

Example Response
```
{
[…]
        {
            "importance":0.75,
            "criticality":"high",
            "domain_name":"saperix.com",
            "product_count":5
        }
    ]
}
```

Response Attributes

Field	Description

`importance`
Decimal
	A measurement of this product's importance.
	
	Values:
	   • `0` ⇆ `.005` = Low Criticality
	   • `.005` ⇆ `.075` = Medium Criticality
	   • `.075` ⇆ `.5` = High Criticality
	   • `.5` ⇆ `1` = Critical Criticality

`criticality`
String
	Reiterates the `importance` field.
	
	Values:
	   • `low` = 0 ⇆ .005 Importance
	   • `medium` = .005 ⇆ .075 Importance
	   • `high` = .075 ⇆ .5 Importance
	   • `critical` = .5 ⇆ 1 Importance.

`domain_name` *String*	The name of the shared domain.
`product_count` *Integer*	The number of shared products in the domain.

GET: Products in a Ratings Tree

`https://api.bitsighttech.com/ratings/v1/compani es/company_guid/company-tree/products`

Get service provider products that are used by companies in a Ratings Tree.

Parameters
*Required.

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

- `fields`
- `limit`
- `offset`
- `q`
- `sort`

Parameter	Description	Values
`company_guid`* *[string, path]*	Identify the company to query.	Company unique identifier [`company_guid`]. See [GET: Portfolio Details](#).

Example Request
```
curl
https://api.bitsighttech.com/ratings/v1/companies/company_guid/company-tree/pr
oducts -u api_token:
```

Example Response

```
{
    "count":25,
    "results":[
[…]
        {
            "product_guid":"55555555-pppp-rrrr-oooo-ddddddddddd",
            "product_name":"Black Hills POS",
            "product_types":[
                "Order Management"
            ],
            "provider_guid":"a5e23bf0-38d4-4cea-aa50-19ee75da481d",
            "provider_name":"Black Hills Technologies",
            "provider_industry":"Technology",
            "company_count":1,
            "domain_count":2,
            "percent_dependent":8.3,
            "percent_dependent_company":9.1,
            "relative_importance":0.10714285714285714,
            "relative_criticality":"high"
        }
    ]
}
```

Response Attributes

Field	Description
count *Integer*	The number of products used by companies in the company's Ratings Tree.
results *Array*	Product usage details of companies in the company's Ratings Tree.
product_guid *String* [product_guid]	The unique identifier of this product.
product_name *String*	The name of this product.
product_types *Array*	The category of services provided by this product.
provider_guid *String* [company_guid]	The unique identifier of the service provider for this product.
provider_name *String*	The name of the service provider for this product.
provider_industry *String*	The industry of the service provider.

`company_count` *Integer*	The number of companies in this Ratings Tree that use this product.
`domain_count` *Integer*	The number of unique domains in this Ratings Tree that use this product.
`percent_dependent` *Decimal*	The percentage of assets (domains) in this Ratings Tree that use this product.

`percent_dependent_co`
`mpany`
Decimal
	The percentage of companies in this Ratings Tree that use this product.

`relative_importance` *Decimal*	A measurement of this product's importance. **Values:** • `0` ⇆ `.005` = Low Criticality • `.005` ⇆ `.075` = Medium Criticality • `.075` ⇆ `.5` = High Criticality • `.5` ⇆ `1` = Critical Criticality
`relative_criticality` *String*	Reiterates the `relative_importance` field. **Values:** • `low` = `0` ⇆ .005 Importance • `medium` = .005 ⇆ .075 Importance • `high` = .075 ⇆ .5 Importance • `critical` = .5 ⇆ 1 Importance

GET: Product Usage of Companies in a Ratings Tree

**https://api.bitsighttech.com/ratings/v1/compani
es/company_guid/company-tree/products/product_g
uid/companies**

List the third parties in a Ratings Tree that use a particular service provider product.

Parameters
*Required.

See query parameters for details on the following parameters:

- fields
- limit
- offset
- q
- sort

Parameter	Description	Values
company_guid* *[string, path]*	Identify the company to query.	Company unique identifier [company_guid]. See GET: Portfolio Details.
product_guid* *[string, path]*	Identify a service provider product to query.	Product unique identifier [product_guid]. See GET: Products of a Company.

Example Request
curl
https://api.bitsighttech.com/ratings/v1/companies/company_guid/company-tree/pr
oducts/product_guid/companies -u api_token:

Example Response
```
{
    "count":2,
    "results":[
[…]
        {
            "company_guid":"19d16bf5-11a6-467b-b7b1-f5563daece69",
            "company_name":"Pollinate, Inc.",
            "domain_count":2,
            "percent_dependent":15.4,
            "relationship_source":"bitsight"
        }
    ]
}
```

Response Attributes

Field	Description
count *Integer*	The number of companies in this Ratings Tree that use the product.
results *Array*	Product usage details of the companies in the Ratings Tree.
company_guid *String* [company_guid]	The unique identifier of this company.
company_name *String*	The name of this company.
domain_count *Integer*	The number of unique domains of this company that use the product.
percent_dependent *Decimal*	The percentage of assets (domains) of this company that use the product.
relationship_source *String*	How the relationship between this company and the service provider was curated. See fourth party relationships.

GET: Product Types in a Ratings Tree

`https://api.bitsighttech.com/ratings/v1/compani`
`es/``company_guid`**`/company-tree/product-types`**

List the product types used by all companies in the Ratings Tree of a third party.

Parameters
*Required.

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

- `fields`
- `limit`
- `offset`
- `q`
- `sort`

Parameter	Description	Values
`company_guid`* *[string, path]*	Identify the company to query.	Company unique identifier [`company_guid`]. See [GET: Portfolio Details](#).

Example Request
curl
https://api.bitsighttech.com/ratings/v1/companies/company_guid/company-tree/pr
oduct-types -u api_token:

Example Response
```
{
    "count":75,
    "results":[
[…]
        {
            "product_type":"Order Management",
            "company_guids":[
                "a940bb61-33c4-42c9-9231-c8194c305db3"
            ]
        }
    ]
}
```

Response Attributes

Field	Description
count *Integer*	The number of products used by companies in this Ratings Tree.
results *Array*	Product usage details of companies in this Ratings Tree.
product_type *String*	The category of services provided by this product.
company_guids *Array* [company_guid]	The unique identifier of companies that use this product type.

GET: Service Providers of a Third Party

`https://api.bitsighttech.com/ratings/v1/compani`
`es/``company_guid`**`/company-tree/providers`**

Get all service providers for the entire Ratings Tree of one of the companies you're monitoring.

Parameters
*Required.

See query parameters for details on the following parameters:

- `fields`
- `limit`
- `offset`
- `q`
- `sort`

Parameter	Description	Values
`company_guid`* *[string, path]*	Identify the company to query.	Company unique identifier [`company_guid`]. See GET: Portfolio Details.

Example Request
curl
https://api.bitsighttech.com/ratings/v1/companies/company_guid/company-tree/providers -u api_token:

Example Return
```
{
[…]
    {
        "provider_guid":"bbbbbbbb-3333-bbbb-3333-bbbbbbbbbbbb",
        "provider_name":"Example Provider LLC",
        "provider_industry":"Technology",
        "product_types":[
            "Ad Network",
            "Analytics",
            "CDN (Content Delivery Network)",
            "CMS (Content Management System)",
            "Email",
            "Hosting",
            "Marketing Performance Management",
            "Search Engines"
        ],
        "company_count":1,
        "product_count":10,
        "domain_count":3,
        "relative_importance":9.25,
```

```
        "percent_dependent":18.8,
        "percent_dependent_company":9.1,
        "relative_criticality":"critical"
      }
    ]
}
```

Response Attributes

Field	Description
provider_guid *String* [company_guid]	The unique identifier of this service provider.
provider_name *String*	The name of this service provider.
provider_industry *String*	The industry of this service provider.
product_types *Array*	The category of services provided by this service provider product.
relative_criticality *String*	The relative criticality of this service provider. **Values:** ● low ● medium ● high ● critical

GET: Dependency on a Specific Service Provider in a Ratings Tree

https://api.bitsighttech.com/ratings/v1/compani es/company_guid/company-tree/providers/provider _guid/companies

Get the companies in a Ratings Tree that depend on a specific service provider.

Parameters
*Required.

See query parameters for details on the following parameters:

- fields
- limit
- offset
- q
- sort

Parameter	Description	Values
company_guid* [string, path]	Identify the company to query.	Company unique identifier [company_guid]. See GET: Portfolio Details.
provider_guid* [string, path]	Identify the service provider of the company to query.	Company unique identifier [company_guid]. See GET: Service Providers for a Specific Domain.

Example Request
curl
https://api.bitsighttech.com/ratings/v1/companies/company_guid/company-tree/pr
oviders/provider_guid/companies -u api_token:

Example Return

```
{
[…]
        {
            "company_guid":"a940bb61-33c4-42c9-9231-c8194c305db3",
            "company_name":"Saperix, Inc.",
            "domain_count":3,
            "percent_dependent":18.8,
            "relationship_source":"bitsight"
        }
    ]
}
```

Response Attributes

Field	Description
company_guid *String* [company_guid]	The unique identifier of this company.
company_name *String*	The name of this company.
domain_count *Integer*	The number of domains among the companies in this Ratings Tree that depend on the service provider.
percent_dependent *Decimal*	
relationship_source *String*	How the relationship between this company and the service provider was curated. See fourth party relationships.

GET: Products of a Specific Service Provider in a Ratings Tree

`https://api.bitsighttech.com/ratings/v1/compani es/company_guid/company-tree/providers/provider _guid/products`

Get the products provided by a specific service provider to companies within a Ratings Tree.

Parameters
*Required.

See query parameters for details on the following parameters:

- fields
- limit
- offset
- q
- sort

Parameter	Description	Values
company_guid* *[string, path]*	Identify the company to query.	Company unique identifier [company_guid]. See GET: Portfolio Details.
provider_guid* *[string, path]*	Identify the service provider of the company to query.	Company unique identifier [company_guid]. See GET: Service Providers for a Specific Domain.
relationship_type *[string, query]*	Filter by the type of relationship between this company and its fourth party.	See relationship types.

Example Request
```
curl
https://api.bitsighttech.com/ratings/v1/companies/company_guid/company-tree/pr
oviders/provider_guid/products -u api_token:
```

Example Response

```
{
[…]
        {
            "product_guid":"aaaaaaaa-5555-aaaa-5555-aaaaaaaaaaaa",
            "product_name":"Example Service App",
            "product_types":[
                "Email"
            ],
            "provider_guid":"bbbbbbbb-3333-bbbb-3333-bbbbbbbbbbbb",
            "provider_name":"Example Provider LLC",
            "provider_industry":"Technology",
            "company_count":1,
            "domain_count":1,
            "percent_dependent":6.3,
            "percent_dependent_company":9.1,
            "relative_importance":0.09375,
            "relative_criticality":"high"
        }
    ]
}
```

Response Attributes

Field	Description
product_guid *String* [product_guid]	The unique identifier of this product.
product_name *String*	The name of this product.
product_types *Array*	The category of services provided by this product.
provider_guid *String* [company_guid]	The unique identifier of the service provider for this product.
provider_name *String*	The name of the service provider for this product.
provider_industry *String*	The industry of the service provider.
company_count *Integer*	The number of companies within the Ratings Tree that use this product.
domain_count *Integer*	

`percent_dependent` *Decimal*	
`percent_dependent_company` *Decimal*	
`relative_importance` *Decimal*	
`relative_criticality` *String*	Reiterates the `relative_importance` field. **Values:** • `low` = 0 ⇆ .005 Importance • `medium` = .005 ⇆ .075 Importance • `high` = .075 ⇆ .5 Importance • `critical` = .5 ⇆ 1 Importance

GET: Products in a Folder

https://api.bitsighttech.com/ratings/v1/folders /folder_guid/products

Get service provider products that companies in a folder depend on.

Parameters
*Required.

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

- `fields`
- `limit`
- `offset`
- `q`
- `sort`

Parameter	Description	Values
`folder_guid`* *[string, path]*	Identify the folder to query.	Folder unique identifier [`folder_guid`]. See [GET: Folder Details](#).

Example Request
curl https://api.bitsighttech.com/ratings/v1/folders/[folder_guid](#)/products/ -u [api_token](#):

Example Response

```
{
    "count":123,
    "results":[
[…]
        {
            "product_guid":"55555555-pppp-rrrr-oooo-dddddddddddd",
            "product_name":"Black Hills POS",
            "product_types":[
                "Order Management"
            ],
            "provider_guid":"a5e23bf0-38d4-4cea-aa50-19ee75da481d",
            "provider_name":"Black Hills Technologies",
            "provider_industry":"Technology",
            "company_count":1,
            "domain_count":1,
            "percent_dependent":0.2,
            "percent_dependent_company":33.3,
            "relative_importance":0.015697703143963113,
            "relative_criticality":"medium"
        }
    ]
}
```

Response Attributes

Field	Description
count *Integer*	The number of products in the folder.
results *Array*	Service provider product details of the folder.
product_guid *String* [product_guid]	The unique identifier of this product.
product_name *String*	The name of this product.
product_types *Array*	The category of services provided by this product.
provider_guid *String* [company_guid]	The unique identifier of the service provider for this product.
provider_name *String*	The name of the service provider for this product.
provider_industry *String*	The industry of the service provider.

`company_count` *Integer*	The number of companies within this folder that depend on this product.
`domain_count` *Integer*	The number of unique domains within this folder that have this product.
`percent_dependent` *Decimal*	The percentage of assets (domains) in this folder that depends on this product.

`percent_dependent_co`
`mpany`
Decimal
	The percentage of companies in this folder that depend on this product.

`relative_importance`
Decimal
	A measurement of this product's importance.
	
	Values:
	   • `0` ⇆ `.005` = Low Criticality
	   • `.005` ⇆ `.075` = Medium Criticality
	   • `.075` ⇆ `.5` = High Criticality
	   • `.5` ⇆ `1` = Critical Criticality

`relative_criticality`
String
	Reiterates the `relative_importance` field.
	
	Values:
	   • `low`
	   • `medium`
	   • `high`
	   • `critical`

GET: Product Usage of Companies in a Folder

https://api.bitsighttech.com/ratings/v1/folders /folder_guid/products/product_guid/companies

List the third parties in a folder that use a particular service provider product.

Parameters
*Required.

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

- fields
- limit
- offset
- q
- sort

Parameter	Description	Values
folder_guid* *[string, path]*	Identify the folder to query.	Folder unique identifier [folder_guid]. See [GET: Folder Details](#).
product_guid* *[string, path]*	Identify a service provider product to query.	Product unique identifier [product_guid]. See [GET: Products of a Company](#).

Example Request
```
curl
https://api.bitsighttech.com/ratings/v1/folders/folder_guid/products/product_g
uid/companies -u api_token:
```

Example Response
```
{
    "count":2,
    "results":[
[…]
        {
            "company_guid":"19d16bf5-11a6-467b-b7b1-f5563daece69",
            "company_name":"Pollinate, Inc.",
            "domain_count":2,
            "percent_dependent":15.4,
            "relationship_source":"bitsight"
        }
    ]
}
```

Response Attributes

Field	Description
count *Integer*	The number of companies in this folder that use the product.
results *Array*	Product usage details of the companies in the folder.
company_guid *String* [company_guid]	The unique identifier of this company.
company_name *String*	The name of this company.
domain_count *Integer*	The number of unique domains of this company that use the product.
percent_dependent *Decimal*	The percentage of assets (domains) of this company that use the product.
relationship_source *String*	How the relationship between this company and the service provider was curated. See fourth party relationships.

GET: Product Types in a Folder

https://api.bitsighttech.com/ratings/v1/folders /folder_guid/product-types

Get the service provider product types that are used by all companies in a particular folder.

Parameters
*Required.

See query parameters for details on the following parameters:

- fields
- limit
- offset
- q
- sort

Parameter	Description	Values
folder_guid* [string, path]	Identify the folder to query.	Folder unique identifier [folder_guid]. See GET: Folder Details.

Example Request
curl
https://api.bitsighttech.com/ratings/v1/folders/folder_guid/product-types/ -u
api_token:

Example Response
```
{
    "count":1,
    "results":[
        {
            "product_type":"Audio / Video Delivery",
            "company_guids":[
                "feeccea4-e062-4cf5-9a3d-7034addb12d1",
                "3abbba22-62b7-492e-aeac-b1d67a2f45b3"
            ]
        }
    ]
}
```

Response Attributes

Field	Description
count *Integer*	The number of products within the folder.
results *Array*	Service provider product usage details.
product_type *String*	The service category of this product.
company_guids *Array* [company_guid]	Companies within this folder that use this type of product.

GET: Service Providers in a Folder

`https://api.bitsighttech.com/ratings/v1/folders /folder_guid/providers`

Get all service providers that companies in a specific folder depend on.

Parameters
*Required.

See query parameters for details on the following parameters:

- fields
- format
- limit
- offset
- q
- sort

Parameter	Description	Values
folder_guid* *[string, path]*	Identify the folder to query.	Folder unique identifier [folder_guid]. See GET: Folder Details.

Example Request
curl https://api.bitsighttech.com/ratings/v1/folders/folder_guid/providers -u api_token:

Example Response
```
{
    "count":79,
    "results":[
[…]
        {
            "provider_guid":"55555555-pppp-rrrr-oooo-dddddddddddd",
            "provider_name":"Black Hills Technologies",
            "provider_industry":"Technology",
            "product_types":[
                "Order Management"
            ],
            "company_count":4,
            "product_count":1,
            "domain_count":5,
            "relative_importance":1.3315300783372361E-5,
            "percent_dependent":0.1,
            "percent_dependent_company":0.1,
            "relative_criticality":"low"
        }
    ]
```

```
}
```

Response Attributes

Field	Description
count *Integer*	The number of service providers in the folder.
results *Array*	Service provider information of the folder.
provider_guid *String* [company_guid]	The unique identifier of this service provider.
provider_name *String*	The name of this service provider.
provider_industry *String*	The industry of this service provider.
product_types *Array*	The category of services provided by this product.
company_count *Integer*	The number of companies within this folder that use this service provider.
product_count *Integer*	The number of service provider products within this folder that are used by companies.
domain_count *Integer*	The number of unique domains within this folder that use this service provider.
percent_dependent *Decimal*	The percentage of assets (domains) in this folder that depends on this service provider.
percent_dependent_company *Decimal*	The percentage of companies in this folder that depend on this service provider.

relative_criticality
    String
	The relative criticality of this service provider.
	
	Values:
	    ● Low
	    ● Medium
	    ● High
	    ● Critical

GET: Companies in a Folder that Depends on a Specific Service Provider

`https://api.bitsighttech.com/ratings/v1/folders/folder_guid/providers/provider_guid/companies`

Get all companies within a folder that depends on a specific service provider.

Parameters
*Required.

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

- `fields`
- `limit`
- `offset`
- `q`
- `sort`

Parameter	Description	Values
`folder_guid`* *[string, path]*	Identify the folder to query.	Folder unique identifier [`folder_guid`]. See [GET: Folder Details](#).
`provider_guid`* *[string, path]*	Identify the service provider of the company to query.	Company unique identifier [`company_guid`]. See [GET: Service Providers for a Specific Domain](#).

Example Request
```
curl
https://api.bitsighttech.com/ratings/v1/folders/folder_guid/providers/provider_guid/companies -u api_token:
```

Example Response
```
{
[…]
    {
        "company_guid":"aaaaaaaa-4444-4444-aaaa-444444444444",
        "company_name":"Example Company",
        "domain_count":2,
        "percent_dependent":40.0,
        "relationship_source":"bitsight"
    }
    ]
}
```

Response Attributes

Field	Description
company_guid *String* [company_guid]	The unique identifier of this company.
company_name *String*	The name of this company.
domain_count *Integer*	The number of domains in this folder.
percent_dependent *Decimal*	The percentage of assets (domains) in this folder that depends on this service provider.
relationship_source *String*	How the relationship between this company and the service provider was curated. See fourth party relationships.

GET: Products in a Specific Folder

`https://api.bitsighttech.com/ratings/v1/folders`
`/folder_guid/providers/provider_guid/products`

Get the products of a particular service provider used by companies within a specific folder.

Parameters
*Required.

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

- `fields`
- `limit`
- `offset`
- `q`
- `sort`

Parameter	Description	Values
`folder_guid`* *[string, path]*	Identify the folder to query.	Folder unique identifier [`folder_guid`]. See [GET: Folder Details](#).
`provider_guid`* *[string, path]*	Identify the service provider of the company to query.	Company unique identifier [`company_guid`]. See [GET: Service Providers for a Specific Domain](#).
`relationship_type` *[string, query]*	Filter by how the relationship between this company and its fourth party was curated.	See [relationship types](#).

Example Request
curl
https://api.bitsighttech.com/ratings/v1/folders/<u>folder_guid</u>/providers/<u>provider_guid</u>/products -u <u>api_token</u>:

Example Response
```
{
[…]
    {
        "product_guid":"55555555-pppp-rrrr-oooo-dddddddddddd",
        "product_name":"Black Hills POS",
        "product_types":[
            "Order Management"
        ],
        "provider_guid":"a5e23bf0-38d4-4cea-aa50-19ee75da481d",
        "provider_name":"Black Hills Technologies",
        "provider_industry":"Technology",
```

```
        "company_count":1,
        "domain_count":1,
        "percent_dependent":0.0,
        "percent_dependent_company":0.0,
        "relative_importance":6.486631668032194E-6,
        "relative_criticality":"low"
      }
    ]
}
```

Request Attributes

Field	Description
product_guid *String* [product_guid]	The unique identifier of this product.
product_name *String*	The name of this product.
product_types *Array*	The category of services provided by this product.
provider_guid *String* [company_guid]	The unique identifier of the service provider for this product.
provider_name *String*	The name of the service provider for this product.
provider_industry *String*	The industry of the service provider of this product.
relative_criticality *String*	The relative importance of this service provider. **Values:** • low • medium • high • critical

GET: Portfolio Products

**https://api.bitsighttech.com/ratings/v1/portfol
io/products**

Get the service provider products used by companies in your portfolio.

> (i) Products can be installed on the premises, Infrastructure-as-a-Service products, or other Software-as-a-service offerings; Product types are broader categories that encompass many types of products.

Parameters
See query parameters for details on the following parameters:

- fields
- limit
- offset
- q
- sort

Example Request
curl https://api.bitsighttech.com/ratings/v1/portfolio/products -u api_token:

Example Response

```
{
    "count":1,
    "results":[
        {
            "product_guid":"55555555-pppp-rrrr-oooo-dddddddddddd",
            "product_name":"Black Hills POS",
            "product_types":[
                "Order Management"
            ],
            "provider_guid":"a5e23bf0-38d4-4cea-aa50-19ee75da481d",
            "provider_name":"Black Hills Technologies",
            "provider_industry":"Technology",
            "company_count":2,
            "domain_count":3,
            "percent_dependent":0.1,
            "percent_dependent_company":0.0,
            "relative_importance":5.573602022857138E-6,
            "relative_criticality":"low"
        }
    ]
}
```

Response Attributes

The server will return an array of objects, each representing a single product which may fall under more than one product type.

Field	Description
count *Integer*	The number of products used by companies in your portfolio.
results *Array*	Product details.
product_guid *String* [product_guid]	The unique identifier of this product.
product_name *String*	The name of this product.
product_types *Array*	The categories of this product.
provider_guid *String* [company_guid]	The unique identifier of the company that supplies this product (service provider).
provider_name *String*	The name of the company that supplies this product (service provider).
provider_industry *String*	The industry of the company that supplies this product (service provider).

company_count *Integer*	The number of unique companies in your portfolio that use this product.
domain_count *Integer*	The number of unique domains in your portfolio that use this product.
percent_dependent *Decimal*	The percentage of assets (domains) in this response that depends on this product.
percent_dependent_company *Decimal*	The percentage of companies in this response that depend on this product.
relative_importance *Decimal*	A measurement of this product's importance. **Values:** • `0 ≤ .005` = Low Criticality • `.005 ≤ .075` = Medium Criticality • `.075 ≤ .5` = High Criticality • `.5 ≤ 1` = Critical Criticality
relative_criticality *String*	Reiterates the `relative_importance` field. **Values:** • `low` = 0 ≤ .005 Importance • `medium` = .005 ≤ .075 Importance • `high` = .075 ≤ .5 Importance • `critical` = .5 ≤ 1 Importance

GET: Product Usage of Companies in Your Portfolio

---

https://api.bitsighttech.com/ratings/v1/portfolio/products/product_guid/companies

List the third parties in your portfolio that use a particular service provider product.

Parameters
*Required.

See query parameters for details on the following parameters:

- fields
- limit
- offset
- q
- sort

Parameter	Description	Values
product_guid* [string, path]	Identify a service provider product to query.	Product unique identifier [product_guid]. See GET: Products of a Company.

Example Request
```
curl
https://api.bitsighttech.com/ratings/v1/portfolio/products/product_guid/compan
ies -u api_token:
```

Example Response
```
{
    "count":4418,
    "results":[
[…]
        {
            "company_guid":"a940bb61-33c4-42c9-9231-c8194c305db3",
            "company_name":"Saperix, Inc.",
            "domain_count":36,
            "percent_dependent":41.9,
            "relationship_source":"bitsight"
        }
    ]
}
```

Response Attributes

Field	Description
count *Integer*	The number of products used by the third party.
results *Array*	Company information and product usage of the companies in your portfolio.
company_guid *String* [company_guid]	The unique identifier of this company.
company_name *String*	The name of this company.
domain_count *Integer*	The number of unique domains in your portfolio that use this product.
percent_dependent *Decimal*	The percentage of assets (domains) in your portfolio that use this product.
relationship_source *String*	How the relationship between this company and the service provider was curated. See fourth party relationships.

GET: Product Types in Your Portfolio

https://api.bitsighttech.com/ratings/v1/portfolio/product-types

List the product types used by third parties in your portfolio.

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

- fields
- limit
- offset
- q
- sort

Example Request
curl https://api.bitsighttech.com/ratings/v1/portfolio/product-types -u
api_token:

Example Response
```
{
    "count":75,
    "results":[
[…]
        {
            "product_type":"Order Management",
            "company_guids":[
                "a940bb61-33c4-42c9-9231-c8194c305db3"
            ]
        }
    ]
}
```

Response Attributes

Field	Description
count *Integer*	The number of products used by companies in your portfolio.
results *Array*	Product usage details of your portfolio.
product_type *String*	The category of services provided by this product.

company_guids
    Array
    [company_guid]
	The unique identifier of companies that use this product.

GET: Service Providers

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

Get all service providers for the companies in your portfolio.

Parameters

See query parameters for details on the following parameters:

- fields
- limit
- offset
- q
- sort

Example Request

curl https://api.bitsighttech.com/ratings/v1/portfolio/providers -u api_token:

Example Response

```
{
[…]
    {
        "provider_guid":"cccccccc-7777-cccc-7777-cccccccccccc",
        "provider_name":"Example Corporation",
        "provider_industry":"Business Services",
        "product_types":[
            "Enterprise Applications"
        ],
        "company_count":4,
        "product_count":1,
        "domain_count":5,
        "relative_importance":0.002467629699174716,
        "percent_dependent":0.1,
        "percent_dependent_company":0.1,
        "relative_criticality":"low"
    }
  ]
}
```

Response Attributes

Field	Description
provider_guid *String* [company_guid]	The unique identifier of this service provider.
provider_name *String*	The name of this service provider.

`provider_industry` *String*	The industry of this service provider.
`product_types` *Array*	The category of services provided by this product.
`company_count` *Integer*	The number of companies in this portfolio that depend on this service provider.
`product_count` *Integer*	The number of products in this portfolio that are provided by this service provider.
`domain_count` *Integer*	The number of domains that belong to this company that uses this product.
`relative_importance` *Decimal*	A measurement of this product's importance. **Values:** `0` ⇆ `.005` = Low Criticality `.005` ⇆ `.075` = Medium Criticality `.075` ⇆ `.5` = High Criticality `.5` ⇆ `1` = Critical Criticality
`percent_dependent` *Decimal*	The percentage of assets (domains) in this response that depends on this service provider.
`percent_dependent_company` *Decimal*	The percentage of companies in this response that depend on this service provider.
`relative_criticality` *String*	Reiterates the `relative_importance` field. **Values:** `low` = 0 ⇆ .005 Importance `medium` = .005 ⇆ .075 Importance `high` = .075 ⇆ .5 Importance `critical` = .5 ⇆ 1 Importance

GET: Portfolio Companies Dependent on a Specific Service Provider

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

Get the companies in your portfolio that depend on a specific service provider.

Parameters

*Required.

See query parameters for details on the following parameters:

- fields
- limit
- offset
- q
- sort

Parameter	Description	Values
provider_guid* *[string, path]*	The service provider to query.	Company unique identifier [company_guid]. See GET: Service Providers for a Specific Domain.

Example Request

```
curl
https://api.bitsighttech.com/ratings/v1/portfolio/providers/provider_guid/companies -u api_token:
```

Example Response

```
{
[…]
    {
        "company_guid":"aaaaaaaa-4444-4444-aaaa-444444444444",
        "company_name":"Example Company",
        "domain_count":2,
        "percent_dependent":40.0,
        "relationship_source":"bitsight"
    }
  ]
}
```

Response Attributes

Field	Description
company_guid *String* [company_guid]	The unique identifier of this company that depends on the service provider.
company_name *String*	The name of this company that depends on the service provider.
domain_count *Integer*	The number of domains operated by this company that depend on the service provider.
percent_dependent *Decimal*	The percentage of assets (domains) in this folder that depends on this service provider.
relationship_source *String*	How the relationship between this company and the service provider was curated. See fourth party relationships.

GET: Service Provider Products in Your Portfolio

https://api.bitsighttech.com/ratings/v1/portfolio/providers/provider_guid/products

Get the products provided by a specific service provider in your portfolio.

Parameters
*Required.

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

- `fields`
- `limit`
- `offset`
- `q`
- `sort`

Parameter	Description	Values
provider_guid* [string, path]	Identify the service provider of the company to query.	Company unique identifier [company_guid]. See GET: Service Providers for a Specific Domain.
relationship_type [string, query]	Filter by how the relationship between this company and its fourth party was curated.	See relationship types.

Example Request
curl
https://api.bitsighttech.com/ratings/v1/portfolio/providers/provider_guid/products -u api_token:

Example Response

```
{
[…]
        {
            "product_guid":"55555555-pppp-rrrr-oooo-dddddddddddd",
            "product_name":"Black Hills POS",
            "product_types":[
                "Order Management"
            ],
            "provider_guid":"a5e23bf0-38d4-4cea-aa50-19ee75da481d",
            "provider_name":"Black Hills Technologies",
            "provider_industry":"Technology",
            "company_count":1,
            "domain_count":1,
            "percent_dependent":0.0,
            "percent_dependent_company":0.0,
            "relative_importance":6.486631668032194E-6,
            "relative_criticality":"low"
        }
    ]
}
```

Response Attributes

The server will return an array with an object.

Field	Description
product_guid *String* [product_guid]	The unique identifier of this product.
product_name *String*	The name of this product.
product_types *Array*	The category of services provided by this product.
provider_guid *String* [company_guid]	The unique identifier of the service provider used for the request.
provider_name *String*	The name of the service provider used for the request.
provider_industry *String*	The industry of the service provider used for the request.
company_count *Integer*	The number of companies that depend on this product.
domain_count *Integer*	The number of domains that depend on this product.

`percent_dependent` *Decimal*	The percentage of assets (domains) in this response that depends on this product.
`percent_dependent_company` *Decimal*	The percentage of companies in this response that depend on this product.
`relative_importance` *Decimal*	A measurement of this product's importance. **Values:** • `0 ≤ .005` = Low Criticality • `.005 ≤ .075` = Medium Criticality • `.075 ≤ .5` = High Criticality • `.5 ≤ 1` = Critical Criticality
`relative_criticality` *String*	Reiterates the `relative_importance` field. **Values:** • `low` = `0 ≤ .005` Importance • `medium` = `.005 ≤ .075` Importance • `high` = `.075 ≤ .5` Importance • `critical` = `.5 ≤ 1` Importance

GET: Product Details

https://api.bitsighttech.com/ratings/v1/products/product_guid

Get information about a particular service provider product.

Parameters
*Required.

Parameter	Description	Values
product_guid* [string, path]	Identify a service provider product to query.	Product unique identifier [product_guid]. See GET: Products of a Company.

Example Request
curl https://api.bitsighttech.com/ratings/v1/products/product_guid -u api_token:

Example Response
```
{
    "product_guid":"ffffffff-2222-3333-cccc-111111111111",
    "product_name":"Hosting Product",
    "product_types":[
        "Hosting"
    ],
    "provider_guid":"77777777-ffff-aaaa-8888-ffffffffffff",
    "provider_name":"Internet Hosting Co.",
    "provider_industry":"Business Services"
}
```

Response Attributes

Field	Description
product_guid *String* [product_guid]	The unique identifier of the product.
product_name *String*	The name of the product.
product_types *Array*	The type of product.
provider_guid *String* [company_guid]	The unique identifier of the service provider for the product.
provider_name *String*	The name of the service provider for the product.
provider_industry *String*	The industry of the service provider for the product.

GET: Companies Using a Product

https://api.bitsighttech.com/ratings/v1/products/product_guid/companies

Get the companies in your portfolio that use a particular product.

"Products" are software or hardware packages used by organizations for business purposes. Products are delivered by service providers.

Parameters
*Required.

See query parameters for details on the following parameters:

- fields
- limit
- offset
- q
- sort

Parameter	Description	Values
product_guid* [string, path]	Identify a service provider product to query.	Product unique identifier [product_guid]. See GET: Products of a Company.

Example Request
```
curl https://api.bitsighttech.com/ratings/v1/products/product_guid/companies
-u api_token:
```

Example Response
```
[
    {
        "company_guid": "a940bb61-33c4-42c9-9231-c8194c305db3",
        "company_name": "Saperix, Inc.",
        "domains": [
            "saperix.com"
        ]
    }
]
```

Response Attributes

The server will return an array of objects described below, by company.

Field	Description
company_guid *String* [company_guid]	The unique identifier of the company.
company_name *String*	The name of the company.
domains *String*	The domains the company operates that use that product.

GET: Service Provider Details

https://api.bitsighttech.com/ratings/v1/providers/provider_guid

Get information about a specific service provider.

Parameters
*Required.

Parameter	Description	Values
provider_guid* [*string, path*]	Identify the service provider of the company to query.	Company unique identifier [company_guid]. See GET: Service Providers for a Specific Domain.

Example Request
curl https://api.bitsighttech.com/ratings/v1/providers/provider_guid -u api_token:

Example Response
```
{
    "provider_guid":"bbbbbbbb-3333-bbbb-3333-bbbbbbbbbbbb",
    "provider_name":"Example Provider LLC",
    "provider_industry":"Technology"
}
```

Response Attributes

Field	Description
provider_guid *String* [company_guid]	The unique identifier of the service provider.
provider_name *String*	The name of the service provider.
provider_industry *String*	The industry of the service provider.

GET: Product Usage of Companies in a Tier

https://api.bitsighttech.com/ratings/v1/tiers/tier_guid/products/product_guid/companies

List the third parties in a tier that use a particular service provider product.

Parameters
*Required.

See query parameters for details on the following parameters:

- fields
- limit
- offset
- q
- sort

Parameter	Description	Values
tier_guid* *[string, path]*	Identify the tier to query.	Tier unique identifier [tier_guid]. See GET: Tiers.
product_guid* *[string, path]*	Identify a service provider product to query.	Product unique identifier [product_guid]. See GET: Products of a Company.

Example Request
```
curl
https://api.bitsighttech.com/ratings/v1/tiers/tier_guid/products/product_guid/
companies -u api_token:
```

Example Response
```
{
    "count":58,
    "results":[
[…]
        {
            "company_guid":"19d16bf5-11a6-467b-b7b1-f5563daece69",
            "company_name":"Pollinate, Inc.",
            "domain_count":2,
            "percent_dependent":15.4,
            "relationship_source":"bitsight"
        }
    ]
}
```

Response Attributes

Field	Description
count *Integer*	The number of companies in this tier that use the product.
results *Array*	Product usage details of the companies in the tier.
company_guid *String* [company_guid]	The unique identifier of this company.
company_name *String*	The name of this company.
domain_count *Integer*	The number of unique domains of this company that use the product.
percent_dependent *Decimal*	The percentage of assets (domains) of this company that use the product.
relationship_source *String*	How the relationship between this company and the service provider was curated. See fourth party relationships.

GET: Product Types in a Tier

https://api.bitsighttech.com/ratings/v1/tiers/tier_guid/product-types

List the product types used by third parties in a tier.

Parameters
*Required.

See query parameters for details on the following parameters:

- fields
- limit
- offset
- q
- sort

Parameter	Description	Values
tier_guid* [string, path]	Identify the tier to query.	Tier unique identifier [tier_guid]. See GET: Tiers.

Example Request
curl https://api.bitsighttech.com/ratings/v1/tiers/tier_guid/product-types -u api_token:

Example Response
```
{
    "count":75,
    "results":[
[…]
        {
            "product_type":"Order Management",
            "company_guids":[
                "a940bb61-33c4-42c9-9231-c8194c305db3"
            ]
        }
    ]
}
```

Response Attributes

Field	Description
count *Integer*	The number of products used by companies in this tier.
results *Array*	Product usage details of companies in this tier.
product_type *String*	The category of services provided by this product.
company_guids *Array* [company_guid]	The unique identifier of companies that use this product.

GET: Service Providers in a Tier

https://api.bitsighttech.com/ratings/v1/tiers/tier_guid/providers

Get all service providers within a tier.

Parameters
*Required.

See query parameters for details on the following parameters:

- fields
- limit
- offset
- q
- sort

Parameter	Description	Values
tier_guid* *[string, path]*	The tier to query.	Tier unique identifier [tier_guid]. See GET: Tiers.

Example Request
curl https://api.bitsighttech.com/ratings/v1/tiers/tier_guid/providers -u api_token:

Example Response

```
{
[…]
        {
            "provider_guid":"a5e23bf0-38d4-4cea-aa50-19ee75da481d",
            "provider_name":"Black Hills Technologies",
            "provider_industry":"Technology",
            "product_types":[
                "Order Management"
            ],
            "company_count":1,
            "product_count":1,
            "domain_count":1,
            "relative_importance":0.0067566781346803375,
            "percent_dependent":0.1,
            "percent_dependent_company":1.1,
            "relative_criticality":"low"
        }
    ]
}
```

Response Attributes

Field	Description
provider_guid *String* [company_guid]	The unique identifier of this service provider.
provider_name *String*	The name of this service provider.
provider_industry *String*	The industry this service provider belongs to.
product_types *Array*	The category of services of the provided product.
company_count *Integer*	The number of companies in this tier that depend on this service provider.
product_count *Integer*	The number of products used by companies in this tier.
domain_count *Integer*	The number of unique domains within this tier that have this product.
relative_importance *Decimal*	A measurement of this product's importance. **Values:** • 0 ⮂ .005 = Low Criticality • .005 ⮂ .075 = Medium Criticality • .075 ⮂ .5 = High Criticality • .5 ⮂ 1 = Critical Criticality
percent_dependent *Decimal*	The percentage of assets (domains) in this tier that depends on this service provider.
percent_dependent_company *Decimal*	The percentage of companies in this tier that depend on the service provider.
relative_criticality *String*	Reiterates the relative_importance field. **Values:** • low • medium • high • critical

GET: Tiered Companies Dependent on a Specific Service Provider

`https://api.bitsighttech.com/ratings/v1/tiers/tier_guid/providers/provider_guid/companies`

Get companies within one of your tiers that depends on a specific service provider.

Parameters
*Required.

See query parameters for details on the following parameters:

- fields
- limit
- offset
- q
- sort

Parameter	Description	Values
tier_guid* *[string, path]*	Identify the tier to query.	Tier unique identifier [tier_guid]. See GET: Tiers.
provider_guid* *[string, path]*	Identify the service provider of the company to query.	Company unique identifier [company_guid]. See GET: Service Providers for a Specific Domain.

Example Request
```
curl
https://api.bitsighttech.com/ratings/v1/tiers/tier_guid/providers/provider_guid/companies -u api_token:
```

Example Response
```
{
[…]
    {
        "company_guid":"a940bb61-33c4-42c9-9231-c8194c305db3",
        "company_name":"Saperix, Inc.",
        "domain_count":3,
        "percent_dependent":18.8,
        "relationship_source":"bitsight"
    }
  ]
}
```

Response Attributes

Field	Description
company_guid *String* [company_guid]	The unique identifier of this company.
company_name *String*	The name of this company.
domain_count *Integer*	The number of unique domains within this response that rely on this provider.
percent_dependent *Decimal*	The percentage of assets (domains) in this tier that depends on this provider.
relationship_source *String*	How the relationship between this company and the service provider was curated. See <u>fourth party relationships</u>.

GET: Service Provider Products in a Tier

https://api.bitsighttech.com/ratings/v1/tiers/tier_guid/providers/provider_guid/products

Get the service provider products within a tier.

Parameters
*Required.

See query parameters for details on the following parameters:

- fields
- limit
- offset
- q
- sort

Parameter	Description	Values
tier_guid* [string, path]	Identify the tier to query.	Tier unique identifier [tier_guid]. See GET: Tiers.
provider_guid* [string, path]	Identify the service provider of the company to query.	Company unique identifier [company_guid]. See GET: Service Providers for a Specific Domain.
relationship_type [string, query]	Filter by how the relationship between this company and its fourth party was curated.	See relationship types.

Example Request
curl
https://api.bitsighttech.com/ratings/v1/tiers/tier_guid/providers/provider_guid/products -u api_token:

Example Response

```
{
[...]
    {
        "product_guid":"55555555-pppp-rrrr-oooo-ddddddddddd",
        "product_name":"Black Hills POS",
        "product_types":[
            "Order Management"
        ],
        "provider_guid":"a5e23bf0-38d4-4cea-aa50-19ee75da481d",
        "provider_name":"Black Hills Technologies",
        "provider_industry":"Technology",
        "company_count":1,
        "domain_count":1,
        "percent_dependent":6.3,
        "percent_dependent_company":9.1,
        "relative_importance":0.09375,
        "relative_criticality":"high"
    }
    ]
}
```

Response Attributes

Field	Description
product_guid *String* [product_guid]	The unique identifier of this product.
product_name *String*	The name of this product.
product_types *Array*	The category of services provided by this product.
provider_guid *String* [company_guid]	The unique identifier of the service provider for this product.
provider_name *String*	The name of the service provider for this product.
provider_industry *String*	The industry of the service provider of this product.
company_count *Integer*	The number of companies within this tier that depend on this product.
domain_count *Integer*	The number of domains within this tier that depends on this product.
percent_dependent *Decimal*	The percentage of assets (domains) in this tier that depends on this product.

`percent_dependent_company` *Decimal*	The percentage of companies in this tier that depends on this product.

`relative_importance`
Decimal
	A measurement of this product's importance.
	
	Values:
	    • `0` ⇆ `.005` = Low Criticality
	    • `.005` ⇆ `.075` = Medium Criticality
	    • `.075` ⇆ `.5` = High Criticality
	    • `.5` ⇆ `1` = Critical Criticality

`relative_criticality`
String
	Reiterates the `relative_importance` field.
	
	Values:
	    • `low` = 0 ⇆ .005 Importance
	    • `medium` = .005 ⇆ .075 Importance
	    • `high` = .075 ⇆ .5 Importance
	    • `critical` = .5 ⇆ 1 Importance

Parameters

Path Parameters

Path parameters use a part of the URL as a parameter.

Path parameters are often unique identifiers (GUID) of a particular data set.

GET: Folder Details

This returns each folder as separate objects and shared folders that are owned by you or are associated with you. Refer to the `guid` key in the response to get the `folder_guid`.

`/v1/folders`

GET: Portfolio Details

Get information about the companies in your portfolio. Refer to the `guid` key in the response to get the `company_guid` (a.k.a. `provider_guid`).

`/v2/portfolio`

GET: Tiers

Get a list of your existing tiers and tier details. Refer to the `guid` key in the response to get the `tier_guid`.

`/v1/tiers`

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]*	The format of the response data.	**Example:** `json`

`limit` *[integer]*	Set the maximum number of results. The results might include fewer records (even zero), but not more.	If not set, the default number of results can vary depending on the 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` *[array]*	Sort the response objects in ascending order (A to Z).	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. **Example:** `'key_1,-key_2'` first sorts by ascending `key_1`, and then by descending `key_2`.

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.
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.
429	Rate Limit Reached	To maintain performance, requests are limited. Please wait 1 minute, and then try again. ● 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.
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.

API Fields: Fourth Party Relationship Types

Fourth party relationships are an indication of how the relationship between a third party and their service provider was curated.

With select fourth-party related endpoints and queries, the `relationship_type` parameter can be used and the `relationship_source` field can be returned.

Field	Description
`bitsight`	These companies were automatically detected and identified as service providers by BitSight.
`self`	These companies were manually identified as service providers by a user within your company.
`none`	These companies have not been identified as service providers.