

# Report Manager Data Sources API v1.0

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## Resource: column\_labels

...

http://{device}/api/npm.reports.sources/1.0/columns/items/{column\_id}/labels

### JSON

```
{
  "column": src_column_strings,
  "column_id": string
}
```

Property Name	Type	Description	Notes
<i>column_labels</i>	<object>	...	
<i>column_labels.column</i>	< <i>src_column_strings</i> >		
<i>column_labels.column_id</i>	< <i>string</i> >		Optional;

## Links

### column\_labels: get

GET http://{device}/api/npm.reports.sources/1.0/columns/items/{column\_id}/labels

#### Response Body

Returns a [column\\_labels](#) data object.

## Resource: columns\_labels

...

http://{device}/api/npm.reports.sources/1.0/columns/labels

### JSON

```
{
  "columns": {
    <prop>: src_column_strings
  }
}
```

Property Name	Type	Description	Notes
<i>columns_labels</i>	<object>	...	
<i>columns_labels.columns</i>	<object>		Optional;
<i>columns_labels.columns.&lt;prop&gt;</i>	< <i>src_column_strings</i> >		

## Links

### columns\_labels: get

GET http://{device}/api/npm.reports.sources/1.0/columns/labels

#### Response Body

Returns a [columns\\_labels](#) data object.

## Resource: field

...

http://{device}/api/npm.reports.sources/1.0/fields/items/{id}

## JSON

```
{
  "categories": [
    string
  ],
  "depends_on": [
    string
  ],
  "description": string,
  "enum": boolean,
  "enum_dup": string,
  "groups": [
    string
  ],
  "id": string,
  "identifier": boolean,
  "internal": boolean,
  "labels": {
    <prop>: string
  },
  "maximum": number,
  "metric": boolean,
  "minimum": number,
  "name": string,
  "precision": integer,
  "type": string,
  "unit": string
}
```

Property Name	Type	Description	Notes
<i>field</i>	<object>	...	
<i>field.categories</i>	<array of <string>>		Optional;
<i>field.categories[items]</i>	<string>		
<i>field.depends_on</i>	<array of <string>>		Optional;
<i>field.depends_on[items]</i>	<string>		
<i>field.description</i>	<string>		Optional;
<i>field.enum</i>	<boolean>		Optional;
<i>field.enum_dup</i>	<string>		Optional;
<i>field.groups</i>	<array of <string>>		Optional;
<i>field.groups[items]</i>	<string>		
<i>field.id</i>	<string>		Optional;
<i>field.identifier</i>	<boolean>		Optional;
<i>field.internal</i>	<boolean>		Optional;
<i>field.labels</i>	<object>		Optional;
<i>field.labels.&lt;prop&gt;</i>	<string>		Optional;
<i>field.maximum</i>	<number>		Optional;
<i>field.metric</i>	<boolean>		Optional;
<i>field.minimum</i>	<number>		Optional;
<i>field.name</i>	<string>		Optional;
<i>field.precision</i>	<integer>		Optional;
<i>field.type</i>	<string>		Optional;
<i>field.unit</i>	<string>		Optional;

## Links

### field: get

```
GET http://{device}/api/npm.reports.sources/1.0/fields/items/{id}
```

### Response Body

Returns a [field](#) data object.

## Resource: fields

...

http://{device}/api/npm.reports.sources/1.0/fields

### JSON

```
{
}
```

Property Name	Type	Description	Notes
fields	<object>	...	

## Links

### fields: get

GET http://{device}/api/npm.reports.sources/1.0/fields

#### Response Body

Returns a [fields](#) data object.

## Resource: source

...

http://{device}/api/npm.reports.sources/1.0/sources/items/{name}

### JSON

```
{
  "capabilities": {
    "filters_on_metrics": boolean,
    <prop>: any
  },
  "columns": src_column_list,
  "granularities": [
    string
  ],
  "info": src_columns_info,
  "name": string
}
```

Property Name	Type	Description	Notes
source	<object>	...	Required properties: [name, columns];
source.capabilities	<object>		Optional;
source.capabilities.filters_on_metrics	<boolean>	Are filters supported on metric columns	Optional;
source.capabilities.<prop>	<any>		Optional;
source.columns	<src_column_list>		
source.granularities	<array of <string>>		Optional;
source.granularities[items]	<string>		
source.info	<src_columns_info>		
source.name	<string>		

## Links

### source: get

GET http://{device}/api/npm.reports.sources/1.0/sources/items/{name}

## Response Body

Returns a [source](#) data object.

## Resource: source\_column

...

[http://{device}/api/npm.reports.sources/1.0/sources/items/{source\\_name}/columns/items/{id}](http://{device}/api/npm.reports.sources/1.0/sources/items/{source_name}/columns/items/{id})

### JSON

```
{
  "area": string,
  "categories": [
    string
  ],
  "custom": boolean,
  "custom_id": string,
  "default_if_absent": string,
  "default_sort_direction": string,
  "description": string,
  "direction": string,
  "divisor_formula": string,
  "field": string,
  "field_description": string,
  "formula": string,
  "grouped_by": boolean,
  "groups": [
    string
  ],
  "id": string,
  "identifier": boolean,
  "items_type": string,
  "label": string,
  "maximum": integer,
  "metric": boolean,
  "minimum": integer,
  "operation": string,
  "precision": integer,
  "rate": string,
  "role": string,
  "searchable": boolean,
  "sortable": boolean,
  "source_name": string,
  "superseded_by": string,
  "supports_resample": boolean,
  "synthesized": {
    "depends_on": [
      string
    ],
    "method": string,
    "phase": string,
    "type": string
  },
  "topped_by": {
    "asc": boolean,
    "desc": boolean
  },
  "type": string,
  "unit": string
}
```

Property Name	Type	Description	Notes
<code>source_column</code>	<code>&lt;object&gt;</code>	...	Required properties: [id, field, label];
<code>source_column.area</code>	<code>&lt;string&gt;</code>	Whether the data is wan or lan related.	Optional;
<code>source_column.categories</code>	<code>&lt;array of &lt;string&gt;&gt;</code>	Organization categories that the column belongs to.	Optional;
<code>source_column.categories[items]</code>	<code>&lt;string&gt;</code>	Category to which the column belongs.	
<code>source_column.custom</code>	<code>&lt;boolean&gt;</code>	Whether the column has custom fields.	Optional;
<code>source_column.custom_id</code>	<code>&lt;string&gt;</code>	A custom column ID provided by the data source.	Optional;
<code>source_column.default_if_absent</code>	<code>&lt;string&gt;</code>	If no data is present, the value to use when plotting in a time-series chart	Optional;
<code>source_column.default_sort_direction</code>	<code>&lt;string&gt;</code>	Default sort direction (desc by default)	Optional; Values: asc, desc;
<code>source_column.description</code>	<code>&lt;string&gt;</code>	Description of the column	Optional;

<code>source_column.direction</code>	<code>&lt;string&gt;</code>	Direction of the data in the data type (server to client, member to peer, outbound, etc).	Optional;
<code>source_column.divisor_formula</code>	<code>&lt;string&gt;</code>	Divisor formula to use for statistical columns.	Optional;
<code>source_column.field</code>	<code>&lt;string&gt;</code>	Data field into which the column queries	
<code>source_column.field_description</code>	<code>&lt;string&gt;</code>	Description of the field	Optional;
<code>source_column.formula</code>	<code>&lt;string&gt;</code>	Formula to use for statistical columns such as weighted average.	Optional;
<code>source_column.grouped_by</code>	<code>&lt;boolean&gt;</code>	Whether the column can be used in the group-by parameter.	Optional;
<code>source_column.groups</code>	<code>&lt;array of &lt;string&gt;&gt;</code>		Optional;
<code>source_column.groups[items]</code>	<code>&lt;string&gt;</code>		
<code>source_column.id</code>	<code>&lt;string&gt;</code>	Addressable data column ID.	
<code>source_column.identifier</code>	<code>&lt;boolean&gt;</code>	Whether the column represents an entity ID.	Optional;
<code>source_column.items_type</code>	<code>&lt;string&gt;</code>	For array fields, the data type of the items in the array.	Optional;
<code>source_column.label</code>	<code>&lt;string&gt;</code>	Human-readable label for the column, to be used by the UI. May be internationalized	
<code>source_column.maximum</code>	<code>&lt;integer&gt;</code>	Maximum value for the column.	Optional;
<code>source_column.metric</code>	<code>&lt;boolean&gt;</code>	Whether it is a metric column	Optional;
<code>source_column.minimum</code>	<code>&lt;integer&gt;</code>	Minimum value for the column.	Optional;
<code>source_column.operation</code>	<code>&lt;string&gt;</code>	The operation that the field uses in aggregating (min, max, sum, etc).	Optional;
<code>source_column.precision</code>	<code>&lt;integer&gt;</code>	Decimal precision of the column data.	Optional; Range: 0 to 32;
<code>source_column.rate</code>	<code>&lt;string&gt;</code>	The rate at which the data type is measured (per second, per minute, etc).	Optional;
<code>source_column.role</code>	<code>&lt;string&gt;</code>	Role of the data type (server, caller, etc).	Optional;
<code>source_column.searchable</code>	<code>&lt;boolean&gt;</code>	Whether the column can be used in the npm.search API.	Optional;
<code>source_column.sortable</code>	<code>&lt;boolean&gt;</code>	Whether it is possible to sort on the column.	Optional;
<code>source_column.source_name</code>	<code>&lt;string&gt;</code>	Data source to which the column belongs.	Optional;
<code>source_column.superseded_by</code>	<code>&lt;string&gt;</code>	For a deprecated column, its replacement.	Optional;
<code>source_column.supports_resample</code>	<code>&lt;boolean&gt;</code>	Whether it supports resampling (true by default)	Optional;
<code>source_column.synthesized</code>	<code>&lt;object&gt;</code>	Details on how to synthesize the column based on other data.	Required properties: [phase, type, depends_on]; Optional;
<code>source_column.synthesized.depends_on</code>	<code>&lt;array of &lt;string&gt;&gt;</code>	Columns that the synthesis depends on.	
<code>source_column.synthesized.depends_on [items]</code>	<code>&lt;string&gt;</code>		
<code>source_column.synthesized.method</code>	<code>&lt;string&gt;</code>	The type that is being synthesized.	Optional; Values: web_user, web_page_family, host_group, host_groups, app, apps, app_type, port_name;
<code>source_column.synthesized.phase</code>	<code>&lt;string&gt;</code>	At which point in processing to synthesize the data.	Values: firstrequest, everyrequest;
<code>source_column.synthesized.type</code>	<code>&lt;string&gt;</code>	Type for a column with internally-synthesized values (e.g., IP synthesized to DNS Hostname)	Values: custom, bool2name, enum2name, ip2dns, id2name, id2enum, sum, percent, ip2countrycode, ip2regioncode, ip2hostgroups, audit_details, violations_preview, tags, ip2netmask, ip2cidr;
<code>source_column.topped_by</code>	<code>&lt;object&gt;</code>	Whether the column can be used in a top-query.	Optional;
<code>source_column.topped_by.asc</code>	<code>&lt;boolean&gt;</code>	Whether it can be topped by the column, ascending.	Optional;
<code>source_column.topped_by.desc</code>	<code>&lt;boolean&gt;</code>	Whether it can be topped by the column, descending.	Optional;
<code>source_column.type</code>	<code>&lt;string&gt;</code>	Data type of the column contents.	Optional;
<code>source_column.unit</code>	<code>&lt;string&gt;</code>	The unit of the data type being queried (bytes, percent, seconds).	Optional;

## Links

### source\_column: get

GET [http://{{device}}/api/npm.reports.sources/1.0/sources/items/{source\\_name}/columns/items/{id}](http://{{device}}/api/npm.reports.sources/1.0/sources/items/{source_name}/columns/items/{id})

### Response Body

Returns a [source\\_column](#) data object.

## Resource: source\_column\_labels

...

[http://{device}/api/npm.reports.sources/1.0/sources/items/{source\\_name}/columns/items/{column\\_id}/labels](http://{device}/api/npm.reports.sources/1.0/sources/items/{source_name}/columns/items/{column_id}/labels)

### JSON

```
{
  "column": src\_column\_strings,
  "column_id": string,
  "source_name": string
}
```

Property Name	Type	Description	Notes
<code>source_column_labels</code>	<code>&lt;object&gt;</code>	...	Required properties: [items];
<code>source_column_labels.column</code>	<code>&lt;<a href="#">src_column_strings</a>&gt;</code>		
<code>source_column_labels.column_id</code>	<code>&lt;string&gt;</code>		Optional;
<code>source_column_labels.source_name</code>	<code>&lt;string&gt;</code>		Optional;

## Links

### source\_column\_labels: get

GET [http://{device}/api/npm.reports.sources/1.0/sources/items/{source\\_name}/columns/items/{column\\_id}/labels](http://{device}/api/npm.reports.sources/1.0/sources/items/{source_name}/columns/items/{column_id}/labels)

#### Response Body

Returns a [source\\_column\\_labels](#) data object.

## Resource: source\_columns

...

[http://{device}/api/npm.reports.sources/1.0/sources/items/{source\\_name}/columns](http://{device}/api/npm.reports.sources/1.0/sources/items/{source_name}/columns)

### JSON

```
{
  "info": src\_columns\_info,
  "items": src\_column\_list,
  "source_name": string
}
```

Property Name	Type	Description	Notes
<code>source_columns</code>	<code>&lt;object&gt;</code>	...	Required properties: [source_name, items];
<code>source_columns.info</code>	<code>&lt;<a href="#">src_columns_info</a>&gt;</code>		
<code>source_columns.items</code>	<code>&lt;<a href="#">src_column_list</a>&gt;</code>		
<code>source_columns.source_name</code>	<code>&lt;string&gt;</code>		

## Links

### source\_columns: get

GET [http://{device}/api/npm.reports.sources/1.0/sources/items/{source\\_name}/columns](http://{device}/api/npm.reports.sources/1.0/sources/items/{source_name}/columns)

#### Response Body

Returns a [source\\_columns](#) data object.

## Resource: source columns labels

...

http://{device}/api/npm.reports.sources/1.0/sources/items/{source\_name}/columns/labels

#### JSON

```
{
  "columns": {
    <prop>: src_column_strings
  },
  "source_name": string
}
```

Property Name	Type	Description	Notes
source_columns_labels	<object>	...	Required properties: [column];
source_columns_labels.columns	<object>		Optional;
source_columns_labels.columns.<prop>	<src_column_strings>		
source_columns_labels.source_name	<string>		Optional;

## Links

### source\_columns\_labels: get

GET http://{device}/api/npm.reports.sources/1.0/sources/items/{source\_name}/columns/labels

#### Response Body

Returns a [source\\_columns\\_labels](#) data object.

## Resource: source\_field

...

http://{device}/api/npm.reports.sources/1.0/sources/items/{source\_name}/fields/items/{id}

#### JSON

```
{
  "field": field,
  "source_name": string
}
```

Property Name	Type	Description	Notes
source_field	<object>	...	
source_field.field	<field>	...	
source_field.source_name	<string>		Optional;

## Links

### source\_field: get

GET http://{device}/api/npm.reports.sources/1.0/sources/items/{source\_name}/fields/items/{id}

#### Response Body

Returns a [source\\_field](#) data object.

## Resource: source\_fields

...

http://{device}/api/npm.reports.sources/1.0/sources/items/{source\_name}/fields



## JSON

```
{
  "fields": fields,
  "source_name": string
}
```

Property Name	Type	Description	Notes
<i>source_fields</i>	<i>&lt;object&gt;</i>	...	
<i>source_fields.fields</i>	<i>&lt;fields&gt;</i>	...	
<i>source_fields.source_name</i>	<i>&lt;string&gt;</i>		Optional;

## Links

### source\_fields: get

GET [http://{device}/api/npm.reports.sources/1.0/sources/items/{source\\_name}/fields](http://{device}/api/npm.reports.sources/1.0/sources/items/{source_name}/fields)

#### Response Body

Returns a [source\\_fields](#) data object.

## Resource: source\_names

...

<http://{device}/api/npm.reports.sources/1.0/sources/names>

## JSON

```
{
  "items": [
    string
  ]
}
```

Property Name	Type	Description	Notes
<i>source_names</i>	<i>&lt;object&gt;</i>	...	
<i>source_names.items</i>	<i>&lt;array of &lt;string&gt;&gt;</i>		Optional;
<i>source_names.items[items]</i>	<i>&lt;string&gt;</i>		

## Links

### source\_names: get

GET <http://{device}/api/npm.reports.sources/1.0/sources/names>

#### Response Body

Returns a [source\\_names](#) data object.

## Resource: source\_restrictions

...

[http://{device}/api/npm.reports.sources/1.0/sources/items/{source\\_name}/restrictions](http://{device}/api/npm.reports.sources/1.0/sources/items/{source_name}/restrictions)

## JSON

```

{
  "items": [
    {
      "available_sets": [
        string
      ],
      "id": string
    }
  ],
  "source_name": string
}

```

Property Name	Type	Description	Notes
<i>source_restrictions</i>	<object>	...	Required properties: [items];
<i>source_restrictions.items</i>	<array of <object>>		
<i>source_restrictions.items[items]</i>	<object>		Required properties: [id, available_sets];
<i>source_restrictions.items[items].available_sets</i>	<array of <string>>		
<i>source_restrictions.items[items].available_sets[items]</i>	<string>		
<i>source_restrictions.items[items].id</i>	<string>		
<i>source_restrictions.source_name</i>	<string>		Optional;

## Links

### source\_restrictions: get

GET [http://{{device}}/api/npm.reports.sources/1.0/sources/items/{source\\_name}/restrictions](http://{{device}}/api/npm.reports.sources/1.0/sources/items/{source_name}/restrictions)

#### Response Body

Returns a [source\\_restrictions](#) data object.

## Resource: sources

...

<http://{{device}}/api/npm.reports.sources/1.0/sources>

#### JSON

```

{
  "items": [ source ]
}

```

Property Name	Type	Description	Notes
<i>sources</i>	<object>	...	
<i>sources.items</i>	<array of <source>>		Optional;
<i>sources.items[items]</i>	<source>	...	

## Links

### sources: get

GET <http://{{device}}/api/npm.reports.sources/1.0/sources>

#### Response Body

Returns a [sources](#) data object.

## Type: src\_column\_list

## JSON

```
[ source_column ]
```

Property Name	Type	Description	Notes
<i>src_column_list</i>	<array of < <i>source_column</i> >>		
<i>src_column_list</i> [[items]]	< <i>source_column</i> > ...		

## Type: src\_column\_strings

### JSON

```
{  
  "description": string,  
  "field_description": string,  
  "label": string,  
  "labels": {  
    <prop>: string  
  },  
  <prop>: any  
}
```

Property Name	Type	Description	Notes
<i>src_column_strings</i>	< <i>object</i> >		
<i>src_column_strings</i> .description	< <i>string</i> >		Optional;
<i>src_column_strings</i> .field_description	< <i>string</i> >		Optional;
<i>src_column_strings</i> .label	< <i>string</i> >		Optional;
<i>src_column_strings</i> .labels	< <i>object</i> >		Optional;
<i>src_column_strings</i> .labels.<prop>	< <i>string</i> >		Optional;
<i>src_column_strings</i> .<prop>	< <i>any</i> >		Optional;

## Type: src\_columns\_info

### JSON

```
{  
  "external_api_access": string,  
  "generated_at": string,  
  "vendor": string,  
  "version": string,  
  <prop>: any  
}
```

Property Name	Type	Description	Notes
<i>src_columns_info</i>	< <i>object</i> >		Required properties: [version, vendor, generated_at, external_api_access];
<i>src_columns_info</i> .external_api_access	< <i>string</i> >	The value of this attribute indicates whether this data source should be used in end users' scripts. A value of "supported" indicates that resource is available for API-based use; a value "not_supported" indicates the opposite. API-based access to unsupported resources could cause the following problems: (a) Resource-specific APIs are not guaranteed to be present in future releases; (b) Using the API to interact with unsupported resources may also cause data processing gaps in the appliance.	Values: not_supported, supported;
<i>src_columns_info</i> .generated_at	< <i>string</i> >	Date/time when the source information was generated.	
<i>src_columns_info</i> .vendor	< <i>string</i> >	Name of vendor providing the data source.	
<i>src_columns_info</i> .version	< <i>string</i> >	Columns content version. If you are connecting to two devices and the returned columns are slightly different, please use this property to figure out which one is latest.	
<i>src_columns_info</i> .<prop>	< <i>any</i> >		Optional;