SteelCentral Controller Application Statistics Service v1.0

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Resource: application_byte_rates

Get the byte rates for the given protocols and sites.

JSON

```json
{
  "start_time": integer,
  "end_time": integer,
  "resolution": integer,
  "traffic_type": traffic_type,
  "protocols": [ protocol_id ],
  "site_ids": [
    integer
  ],
  "wan_inbound": [
    multiple
  ],
  "wan_outbound": [
    multiple
  ],
  "lan_inbound": [
    multiple
  ],
  "lan_outbound": [
    multiple
  ]
}
```

Property Name	Type	Description	Notes
application_byte_rates	<object>	Get the byte rates for the given protocols and sites.	Required properties: [start_time, end_time, resolution, traffic_type, wan_inbound, wan_outbound, lan_inbound, lan_outbound];
application_byte_rates.start_time	<integer>	Unix epoch timestamp.	
application_byte_rates.end_time	<integer>	Unix epoch timestamp.	
application_byte_rates.resolution	<integer>	The resolution in which the statistics samples have to be returned.	
application_byte_rates.traffic_type	<traffic_type>	The traffic type desired.	Values: any, optimized, passthrough;
application_byte_rates.protocols	<array of <protocol_id>>	List of Layer7 protocol IDs. If this property is not present then it means the data is for all protocols.	Optional;
application_byte_rates.protocols[items]	<protocol_id>	The numeric Vineyard ID for a protocol	
application_byte_rates.site_ids	<array of <integer>>	List of site IDs. If this property is not present then it means the data is for all sites.	Optional;
application_byte_rates.site_ids[items]	<integer>	The Site ID value.	
wan_inbound	<array of <multiple>>	WAN Inbound byte rates	
wan_inbound[items]	<multiple>	The byte rate value.	
wan_inbound[items].oneOf[0]	<byte_rate>	Bytes per second	
wan_inbound[items].oneOf[1]	<null>	A value can be missing in which case the element is type null.	
wan_outbound	<array of <multiple>>	WAN Outbound byte rates	
wan_outbound[items]	<multiple>	The byte rate value.	
wan_outbound[items].oneOf[0]	<byte_rate>	Bytes per second	
wan_outbound[items].oneOf[1]	<null>	A value can be missing in which case the element is type null.	
lan_inbound	<array of <multiple>>	LAN Inbound byte rates	
lan_inbound[items]	<multiple>	The byte rate value.	
lan_inbound[items].oneOf[0]	<byte_rate>	Bytes per second	
lan_inbound[items].oneOf[1]	<null>	A value can be missing in which case the element is type null.	
lan_outbound	<array of <multiple>>	LAN Outbound byte rates	
lan_outbound[items]	<multiple>	The byte rate value.	
lan_outbound[items].oneOf[0]	<byte_rate>	Bytes per second	

lan_outbound[items].oneOf[1]	*<null>*	A value can be missing in which case the element is type null.	

Links

application_byte_rates: get

> GET http://{device}/api/cmc.appstats/1.0/reports/application_byte_rates{?start_time,end_time,site_ids,resolution,traffic_type,protocols}

Response Body
  Returns an [application_byte_rates](#) data object.

Resource: top_applications

The top N applications ordered by WAN average for the given traffic_type and time range.

> http://{device}/api/cmc.appstats/1.0/reports/top_applications{?start_time,site_id,limit,end_time,traffic_type,resolution}

JSON

```
{
  "start_time": integer,
  "end_time": integer,
  "resolution": integer,
  "traffic_type": traffic_type,
  "limit": integer,
  "top_applications": [
    {
      "protocol_id": integer,
      "wan_avg": number
    }
  ]
}
```

Property Name	Type	Description	Notes
top_applications	*<object>*	The top N applications ordered by WAN average for the given traffic_type and time range.	Required properties: [start_time, end_time, resolution, traffic_type, limit, top_applications];
top_applications.start_time	*<integer>*	Unix epoch timestamp.	
top_applications.end_time	*<integer>*	Unix epoch timestamp.	
top_applications.resolution	*<integer>*	The resolution in which the statistics samples have to be returned.	
top_applications.traffic_type	*<traffic_type>*	The traffic type desired.	Values: any, optimized, passthrough;
top_applications.limit	*<integer>*	The limit specifying the 'N' value for top N applications.	Minimum 1;
top_applications.top_applications	*<array of <object>>*	The list of top N applications.	
top_applications.top_applications[items]	*<object>*	Each item is an object describing a protocol and it's corresponding statistics.	Required properties: [protocol_id, wan_avg];
protocol_id	*<integer>*	L7 protocol id	
wan_avg	*<number>*	Average WAN byte rates corresponding to the protocol_id in this item. The average is calculated after combining wan_inbound and wan_outbound byte rates.	Minimum 0.0;

Links

top_applications: get

> GET http://{device}/api/cmc.appstats/1.0/reports/top_applications{?start_time,site_id,limit,end_time,traffic_type,resolution}

Response Body
  Returns a [top_applications](#) data object.

Resource: global_config

Global application statistics configuration

```
http://{device}/api/cmc.appstats/1.0/global_config
```

JSON

```json
{
  "enabled": boolean
}
```

Property Name	Type	Description	Notes
global_config	*<object>*	Global application statistics configuration	Required properties: [enabled];
global_config.enabled	*<boolean>*	Enable application statistics collection	

Links

global_config: get

```
GET http://{device}/api/cmc.appstats/1.0/global_config
```

Response Body
  Returns a [global_config](#) data object.

global_config: set

```
PUT http://{device}/api/cmc.appstats/1.0/global_config
```

Request Body
  Provide a [global_config](#) data object.

Response Body
  Returns a [global_config](#) data object.

Resource: site_configs

List of site_configs

```
http://{device}/api/cmc.appstats/1.0/site_configs
```

JSON

```json
[
  {
    "id": integer,
    "site_id": integer,
    "site_type_id": integer,
    "enabled": boolean
  }
]
```

Property Name	Type	Description	Notes
site_configs	*<array of <items>>*	List of site_configs	
items	*<object>*	Site specific application statistics configuration	Required properties: [enabled];
id	*<integer>*	A unique identifier	Read-only;
items.site_id	*<integer>*	Site ID	Optional;
items.site_type_id	*<integer>*	Site type ID	Optional;
items.enabled	*<boolean>*	Enable application statistics	
items.oneOf[0]	*<object>*		Required properties: [site_id];
items.oneOf[0].<prop>	*<any>*		Optional;
items.oneOf[1]	*<object>*		Required properties: [site_type_id];

items.oneOf[1].<prop>	*<any>*		Optional;

Links

site_configs: create

POST http://{device}/api/cmc.appstats/1.0/site_configs

Request Body
Provide a [site_config](#) data object.

Response Body
Returns a [site_config](#) data object.

site_configs: get

GET http://{device}/api/cmc.appstats/1.0/site_configs

Response Body
Returns a [site_configs](#) data object.

Resource: site_config

Site specific application statistics configuration

http://{device}/api/cmc.appstats/1.0/site_configs/items/{id}

JSON

```
{
  "id": integer,
  "site_id": integer,
  "site_type_id": integer,
  "enabled": boolean
}
```

Property Name	Type	Description	Notes
site_config	*<object>*	Site specific application statistics configuration	Required properties: [enabled];
id	*<integer>*	A unique identifier	Read-only;
site_config.site_id	*<integer>*	Site ID	Optional;
site_config.site_type_id	*<integer>*	Site type ID	Optional;
site_config.enabled	*<boolean>*	Enable application statistics	
site_config.oneOf[0]	*<object>*		Required properties: [site_id];
site_config.oneOf[0].<prop>	*<any>*		Optional;
site_config.oneOf[1]	*<object>*		Required properties: [site_type_id];
site_config.oneOf[1].<prop>	*<any>*		Optional;

Links

site_config: get

GET http://{device}/api/cmc.appstats/1.0/site_configs/items/{id}

Response Body
Returns a [site_config](#) data object.

site_config: set

PUT http://{device}/api/cmc.appstats/1.0/site_configs/items/{id}

Request Body
  Provide a [site_config](#) data object.

Response Body
  Returns a [site_config](#) data object.

site_config: delete

```
DELETE http://{device}/api/cmc.appstats/1.0/site_configs/items/{id}
```

Response Body
  On success, the server does not provide any body in the responses.

Relations

site_config: instances
  All instances of site configurations.

Related resource
  [site_configs](#)

Type: serial

The serial number of the appliance

JSON

```
string
```

Property Name	Type	Description	Notes
serial	*<string>*	The serial number of the appliance	Pattern: '^[A-Za-z][0-9A-Fa-f]{2}[A-Za-z]{0,2}[0-9A-Fa-f]{8}$';

Type: protocol_id

The numeric Vineyard ID for a protocol

JSON

```
integer
```

Property Name	Type	Description	Notes
protocol_id	*<integer>*	The numeric Vineyard ID for a protocol	

Type: traffic_type

The traffic type desired.

JSON

```
string
```

Property Name	Type	Description	Notes
traffic_type	*<string>*	The traffic type desired.	Values: any, optimized, passthrough;

Type: byte_rate

Bytes per second

JSON

```
number
```

Property Name	Type	Description	Notes
byte_rate	<number>	Bytes per second	Minimum 0.0;

Type: byte_rate_series

Time series of byte rate values.

JSON

```
[
   multiple
]
```

Property Name	Type	Description	Notes
byte_rate_series	<array of <multiple>>	Time series of byte rate values.	
byte_rate_series[items]	<multiple>	The byte rate value.	
byte_rate_series[items].oneOf[0]	<byte_rate>	Bytes per second	
byte_rate_series[items].oneOf[1]	<null>	A value can be missing in which case the element is type null.	

Type: identifier

A unique identifier

JSON

```
integer
```

Property Name	Type	Description	Notes
identifier	<integer>	A unique identifier	