

SteelCentral Controller Application Statistics Service v1.0

Copyright © Riverbed Technology Inc. 2018

Created Sep 23, 2020 at 05:09 PM

Resource: application_byte_rates

Get the byte rates for the given protocols and sites.

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

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

<code>lan_outbound[items].oneOf[1]</code>	<code><null></code>	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
<code>top_applications</code>	<code><object></code>	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];
<code>top_applications.start_time</code>	<code><integer></code>	Unix epoch timestamp.	
<code>top_applications.end_time</code>	<code><integer></code>	Unix epoch timestamp.	
<code>top_applications.resolution</code>	<code><integer></code>	The resolution in which the statistics samples have to be returned.	
<code>top_applications.traffic_type</code>	<code><traffic_type></code>	The traffic type desired.	Values: any, optimized, passthrough;
<code>top_applications.limit</code>	<code><integer></code>	The limit specifying the 'N' value for top N applications.	Minimum 1;
<code>top_applications.top_applications</code>	<code><array of <object>></code>	The list of top N applications.	
<code>top_applications.top_applications[items]</code>	<code><object></code>	Each item is an object describing a protocol and it's corresponding statistics.	Required properties: [protocol_id, wan_avg];
<code>protocol_id</code>	<code><integer></code>	L7 protocol id	
<code>wan_avg</code>	<code><number></code>	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

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

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

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

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

<code>items.oneOf[1].<prop></code>	<code><any></code>	Optional;
--	--------------------------	-----------

Links

site_configs: create

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

Response Body

Returns a [site_configs](#) data object.

Resource: site_config

Site specific application statistics configuration

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

JSON

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

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

Links

site_config: get

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

Response Body

Returns a [site_config](#) data object.

site_config: set

PUT http://{{device}}/api/cmcc.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
<i>serial</i>	<i><string></i>	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
<i>protocol_id</i>	<i><integer></i>	The numeric Vineyard ID for a protocol	

Type: traffic_type

The traffic type desired.

JSON

string

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

Type: byte_rate

Bytes per second

JSON

```
number
```

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

Type: byte_rate_series

Time series of byte rate values.

JSON

```
[
  multiple
]
```

Property Name	Type	Description	Notes
<i>byte_rate_series</i>	<array of <multiple>>	Time series of byte rate values.	
<i>byte_rate_series</i> [items]	<multiple>	The byte rate value.	
<i>byte_rate_series</i> [items].oneOf[0]	<byte_rate>	Bytes per second	
<i>byte_rate_series</i> [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
<i>identifier</i>	<integer>	A unique identifier	