LiveNX Reports

Authentication

Description: We need authentication token from LiveNX Server for all requests made to Server. The below API will return the bearer token.

POST https://<server-uri>:8093/v1/oauth/token

Payload - Body (Sample)*

Username	<user></user>
Password	<password></password>
grant_type	Password
client_id	<cli><cli>id></cli></cli>
client_secret	<cli><cli>ent-secret></cli></cli>

^{*} Refer API docs for list of parameters

Headers

Content-Type	application/x-www-form-urlencoded

Output - JSON (Sample)

```
{
    "access_token": "205d1ec9f6f5179d53955d3b6920824c",
    "refresh_token": "7319dfbb1cdf5f1323baef3892d66631",
    "token_type": "bearer",
    "expires_in": 9223372036854775
}
```

Code Sample

We have used 172.31.1.200 as our LiveNX IP, admin as Username and abcdef as Password

cURL

```
curl -X POST \
https:// 172.31.1.200:8093/v1/oauth/token \
-H 'cache-control: no-cache' \
-H 'content-type: application/x-www-form-urlencoded' \
-d 'username=admin&password=abcdef&grant_type=password&client_id=liveaction&clien t_secret=secret'
```

NodeJS

```
var unirest = require("unirest");
var req = unirest("POST", "https://172.31.1.200:8093/v1/oauth/token");
req.headers({
"cache-control": "no-cache",
"content-type": "application/x-www-form-urlencoded"
});
req.form({
"username": "admin",
"password": "abcdef",
"grant_type": "password",
 "client_id": "liveaction",
 "client secret": "secret"
});
req.end(function (res) {
if (res.error) throw new Error(res.error);
console.log(res.body);
```

GO

```
package main

import (
    "fmt"
    "strings"
    "net/http"
```

```
"io/ioutil"
)

func main() {
    url := "https://172.31.1.200:8093/v1/oauth/token"
    payload :=
    strings.NewReader("username=admin&password=abcdef&grant_type=password&client_id=liveaction&client_secret=secret")
    req, _ := http.NewRequest("POST", url, payload)
    req.Header.Add("content-type", "application/x-www-form-urlencoded")
    req.Header.Add("cache-control", "no-cache")
    res, _ := http.DefaultClient.Do(req)
    defer res.Body.Close()
    body, _ := ioutil.ReadAll(res.Body)
    fmt.Println(res)
    fmt.Println(string(body))
}
```

Java

```
HttpResponse<String> response = Unirest.post("https://
172.31.1.200:8093/v1/oauth/token")
.header("content-type", "application/x-www-form-urlencoded")
.header("cache-control", "no-cache") .body("username=
admin&password=abcdef&grant_type=password&client_id=liveaction&client_secret=sec
ret")
.asString();
```

Python

```
import requests

url = "https:// 172.31.1.200:8093/v1/oauth/token"
```

```
payload =
"username=admin&password=abcdef&grant_type=password&client_id=liveaction&clien
t_secret=secret"
headers = {
    'content-type': "application/x-www-form-urlencoded",
    'cache-control': "no-cache",
    'postman-token': "2deae296-da4b-0926-dd47-cada547c40c8"
    }

response = requests.request("POST", url, data=payload, headers=headers)
print(response.text)
```

Advanced Reports

Description: We can run Flow/QoS reports. We need to get the bearer token and list of required parameters to an API

POST https://<server-uri>:8093/v1/reports/queue

Payload - JSON (Sample)*

```
{
  "name": "Test-Report",
  "reports": [
  {
      "reportId": {
            "category": "flow",
            "id": "8"
      },
      "parameters": {
            "startTime": 1493735082737,
            "endTime": 1493735982737,
            "deviceSerial": "ALL_DEVICES_SERIAL",
            "interface": "All Interfaces",
            "displayFilter": "No Display Filtering",
            "direction": "outbound",
            "flowType": "basic",
            "executionType": "timeseries",
            "sortBy": "BIT_RATE",
```

```
"flexSearch": "",
   "businessHours": "none",
   "binDuration": "auto"
  "reportId": {
   "category": "qos",
   "id": "16"
  "parameters": {
   "startTime": 1493735081122,
   "direction": "combined",
   "endTime": 1493735981122,
   "executionType": "aggregation",
   "flexSearch": ""
"timeZone": {
 "id": "Asia/Calcutta",
 "enableDst": false
"sharingConfig": [
]
```

* Refer API docs for list of parameters. Here two reports are combined in a single report (Advanced Report)

Headers

Content-Type	application/json
Authorization	Bearer 205d1ec9f6f5179d53955d3b6920824c

Output - JSON (Sample)

```
{
  "meta": {
    "href": "https://<server-uri>:8093/v1/reports/queue",
    "http": {
```

```
"method": "POST",
  "statusCode": 200,
  "statusReason": "OK"
},
"jobId": "044381da-3832-430e-90de-8a0fefe6ec45",
"request": {
 "name": "Application",
 "sharingConfig": [],
 "reports": [
   "reportId": {
    "category": "flow",
    "id": "8"
   "parameters": {
    "startTime": 1493735082737,
    "endTime": 1493735982737,
    "deviceSerial": "ALL_DEVICES_SERIAL",
    "interface": "All Interfaces",
    "displayFilter": "No Display Filtering",
    "direction": "outbound",
    "flowType": "basic",
    "executionType": "timeseries",
    "sortBy": "BIT_RATE",
    "flexSearch": "",
    "businessHours": "none",
    "binDuration": "auto"
   "reportId": {
    "category": "qos",
    "id": "16"
   "parameters": {
    "startTime": 1493735081122,
    "direction": "combined",
    "endTime": 1493735981122,
    "executionType": "aggregation",
    "flexSearch": ""
```

```
"resultsUrl": null,
 "callback": null,
 "timeZone": {
  "id": "Asia/Calcutta",
  "enableDst": false
 },
 "useFastLane": null
"jobInfo": {
 "name": "Application",
 "reports": [
   "reportInfo": {
    "id": "8",
    "reportCategory": "flow",
    "reportBase": "COMBINED_APPLICATION",
    "name": "Application",
    "group": "Applications",
    "isSavedReport": false,
    "allowsAllDevices": true,
    "allowsAllInterfaces": true,
    "availableParameters": [
      "queryKey": "startTime",
      "parameterType": "StartDateParameter"
      "queryKey": "endTime",
      "parameterType": "EndDateParameter"
      "queryKey": "deviceSerial",
      "parameterType": "DeviceSerialParameter",
      "defaultValue": {
       "apiValue": "ALL_DEVICES_SERIAL",
       "displayValue": null
      "queryKey": "interface",
      "parameterType": "DeviceInterfaceParameter",
      "defaultValue": {
```

```
"apiValue": "All Interfaces",
"displayValue": "All Interfaces"
"queryKey": "displayFilter",
"parameterType": "DisplayFilterParameter",
"defaultValue": {
"apiValue": "No Display Filtering",
"displayValue": "No Display Filtering"
"availableValues": [
  "apiValue": "No Display Filtering",
  "displayValue": "No Display Filtering"
  "apiValue": "[ad hoc filter]",
  "displayValue": "[ad hoc filter]"
  "apiValue": "*DefaultFilterGroup",
  "displayValue": "*DefaultFilterGroup"
  "apiValue": "*Hide-SD-WAN-Control",
  "displayValue": "*Hide-SD-WAN-Control"
  "apiValue": "CPOF",
  "displayValue": "CPOF"
  "apiValue": "Custom Flows Filter001",
  "displayValue": "Custom Flows Filter001"
  "apiValue": "Directory",
  "displayValue": "Directory"
  "apiValue": "DNS",
  "displayValue": "DNS"
```

```
"apiValue": "Enterprise Applications",
"displayValue": "Enterprise Applications"
"apiValue": "FTP",
"displayValue": "FTP"
"apiValue": "HTTP",
"displayValue": "HTTP"
"apiValue": "HTTPS",
"displayValue": "HTTPS"
"apiValue": "Internet",
"displayValue": "Internet"
"apiValue": "IPSec AH",
"displayValue": "IPSec AH"
"apiValue": "IPSec ESP",
"displayValue": "IPSec ESP"
"apiValue": "IPv4 Traffic",
"displayValue": "IPv4 Traffic"
"apiValue": "IPv6 Traffic",
"displayValue": "IPv6 Traffic"
"apiValue": "Multicast Routing",
"displayValue": "Multicast Routing"
"apiValue": "Network Mail Services",
```

```
"displayValue": "Network Mail Services"
"apiValue": "Network Management",
"displayValue": "Network Management"
"apiValue": "Peer-to-Peer/Non-essential",
"displayValue": "Peer-to-Peer/Non-essential"
"apiValue": "Routing",
"displayValue": "Routing"
"apiValue": "RTP",
"displayValue": "RTP"
"apiValue": "SAP",
"displayValue": "SAP"
"apiValue": "SIP",
"displayValue": "SIP"
"apiValue": "Skinny",
"displayValue": "Skinny"
"apiValue": "TCP Only",
"displayValue": "TCP Only"
"apiValue": "Teredo by IP",
"displayValue": "Teredo by IP"
"apiValue": "TFTP",
"displayValue": "TFTP"
```

```
"apiValue": "UDP Only",
  "displayValue": "UDP Only"
 "apiValue": "Ventrilo",
 "displayValue": "Ventrilo"
  "apiValue": "Video",
  "displayValue": "Video"
  "apiValue": "Voice",
  "displayValue": "Voice"
 "apiValue": "Web",
  "displayValue": "Web"
"queryKey": "direction",
"parameterType": "FlowDirectionParameter",
"defaultValue": {
"apiValue": "outbound",
"displayValue": "Outbound"
"availableValues": [
 "apiValue": "inbound",
  "displayValue": "Inbound"
  "apiValue": "outbound",
  "displayValue": "Outbound"
  "apiValue": "both",
 "displayValue": "Inbound and Outbound"
```

```
"queryKey": "flowType",
"parameterType": "FlowTypeParameter",
"defaultValue": {
"apiValue": "basic",
"displayValue": "Basic Flow"
"availableValues": [
  "apiValue": "basic",
  "displayValue": "Basic Flow"
  "apiValue": "medianet",
  "displayValue": "Medianet"
  "apiValue": "avc",
  "displayValue": "Application (AVC)"
  "apiValue": "nsel",
  "displayValue": "Firewall"
  "apiValue": "pfr",
  "displayValue": "PfR"
  "apiValue": "wireless",
  "displayValue": "Wireless"
  "apiValue": "unknown",
  "displayValue": "Unknown"
"queryKey": "executionType",
"parameterType": "ExecutionTypeParameter",
"defaultValue": {
"apiValue": "timeseries",
```

```
"displayValue": "Time Series"
"availableValues": [
 "apiValue": "timeseries",
 "displayValue": "Time Series"
  "apiValue": "aggregation",
 "displayValue": "Aggregation"
"queryKey": "sortBy",
"parameterType": "TotalDataSortByParameter",
"defaultValue": {
"apiValue": "BIT_RATE",
"displayValue": "Bit Rate"
"availableValues": [
  "apiValue": "BYTE",
  "displayValue": "Bytes"
  "apiValue": "BIT_RATE",
 "displayValue": "Bit Rate"
  "apiValue": "PACKET",
  "displayValue": "Packets"
  "apiValue": "PACKET_RATE",
 "displayValue": "Packet Rate"
  "apiValue": "FLOW",
  "displayValue": "Flow"
```

```
"queryKey": "flexSearch",
"parameterType": "FlexSearchParameter",
"defaultValue": {
"apiValue": "",
"displayValue": ""
"queryKey": "businessHours",
"parameterType": "BusinessHoursParameter",
"defaultValue": {
"apiValue": "none",
"displayValue": "All Hours"
"availableValues": [
  "apiValue": "none",
  "displayValue": "All Hours"
  "apiValue": "enable",
  "displayValue": "Business Hours Only"
  "apiValue": "invert",
  "displayValue": "Non-Business Hours Only"
"queryKey": "binDuration",
"parameterType": "FlowBinDurationParameter",
"defaultValue": {
"apiValue": "auto",
"displayValue": "Auto"
"availableValues": [
  "apiValue": "auto",
  "displayValue": "Auto"
```

```
"apiValue": "1min",
     "displayValue": "1 Minute"
     "apiValue": "5min",
     "displayValue": "5 Minutes"
"parameters": {
"startTime": "1493735082737",
"endTime": "1493735982737",
"deviceSerial": "ALL_DEVICES_SERIAL",
"interface": "All Interfaces",
"displayFilter": "No Display Filtering",
"direction": "outbound",
"flowType": "basic",
"executionType": "timeseries",
"sortBy": "BIT_RATE",
"flexSearch": "",
"businessHours": "none",
"binDuration": "auto"
"reportInfo": {
"id": "16",
"reportCategory": "qos",
"reportBase": "BURSTABLE_RATE",
"name": "Interface Burstable Rate",
"group": "Interface",
"isSavedReport": false,
 "availableParameters": [
   "queryKey": "flexSearch",
   "parameterType": "FlexSearchParameter",
   "defaultValue": {
    "apiValue": "",
    "displayValue": ""
```

```
"queryKey": "startTime",
"parameterType": "StartDateParameter"
"queryKey": "direction",
"parameterType": "BurstableInterfaceDirectionParameter",
"defaultValue": {
"apiValue": "combined",
"displayValue": "Inbound and Outbound Combined"
"availableValues": [
  "apiValue": "combined",
  "displayValue": "Inbound and Outbound Combined"
  "apiValue": "inbound",
  "displayValue": "Inbound"
  "apiValue": "outbound",
  "displayValue": "Outbound"
  "apiValue": "separated",
  "displayValue": "Inbound and Outbound Separated"
"queryKey": "executionType",
"parameterType": "ExecutionTypeParameter",
"defaultValue": {
"apiValue": "aggregation",
"displayValue": "Aggregation"
"availableValues": [
  "apiValue": "aggregation",
  "displayValue": "Aggregation"
```

```
"queryKey": "endTime",
        "parameterType": "EndDateParameter"
    "parameters": {
     "flexSearch": "",
     "startTime": "1493735081122",
     "direction": "combined",
     "executionType": "aggregation",
     "endTime": "1493735981122"
  "sharingConfig": [],
  "visibility": "private",
  "callback": null,
  "timeZone": {
   "id": "Asia/Calcutta",
   "enableDst": false,
   "supportsDst": false,
   "standardOffset": 19800
  "time": "2017-05-02T14:57:05.129Z",
  "status": "https://<server-uri>:8093/v1/reports/queue/044381da-3832-430e-90de-
8a0fefe6ec45",
  "result": "https://<server-uri>:8093/v1/reports/results/044381da-3832-430e-90de-
8a0fefe6ec45"
```

Code Sample

We have used 172.31.1.200 as our LiveNX IP, 74285f2c7356d889f86b1d5900a110ba as access_token from Authentication API

cURL

```
curl -X POST \
https://172.31.1.200:8093/v1/reports/queue \
-H 'authorization: Bearer 74285f2c7356d889f86b1d5900a110ba' \
```

```
-H 'cache-control: no-cache' \
-H 'content-type: application/json' \
-d '{
"name": "Application",
"reports": [
  "reportId": {
   "category": "flow",
   "id": "8"
  "parameters": {
   "startTime": 1493735082737,
   "endTime": 1493735982737,
   "deviceSerial": "ALL_DEVICES_SERIAL",
   "interface": "All Interfaces",
   "displayFilter": "No Display Filtering",
   "direction": "outbound",
   "flowType": "basic",
   "executionType": "timeseries",
   "sortBy": "BIT_RATE",
   "flexSearch": "",
   "businessHours": "none",
   "binDuration": "auto"
"timeZone": {
 "id": "Asia/Calcutta",
 "enableDst": false
"sharingConfig": [
]
```

NodeJS

```
var unirest = require("unirest");
var req = unirest("POST", "https://172.31.1.200:8093/v1/reports/queue");
req.headers({
   "cache-control": "no-cache",
```

```
"authorization": "Bearer 74285f2c7356d889f86b1d5900a110ba",
 "content-type": "application/json"
});
req.type("json");
req.send({
"name": "Application",
 "reports": [
   "reportId": {
    "category": "flow",
    "id": "8"
   "parameters": {
    "startTime": 1493735082737,
    "endTime": 1493735982737,
    "deviceSerial": "ALL_DEVICES_SERIAL",
    "interface": "All Interfaces",
    "displayFilter": "No Display Filtering",
    "direction": "outbound",
    "flowType": "basic",
    "executionType": "timeseries",
    "sortBy": "BIT_RATE",
    "flexSearch": "",
    "businessHours": "none",
    "binDuration": "auto"
 "timeZone": {
  "id": "Asia/Calcutta",
  "enableDst": false
 "sharingConfig": []
});
req.end(function (res) {
if (res.error) throw new Error(res.error);
console.log(res.body);
```

```
func main() {
      url := "https://172.31.1.200:8093/v1/reports/queue"
      payload := strings.NewReader("{\r\n \"name\": \"Application\",\r\n
\"reports\": [\r\n \\r\n \\"reportId\\": {\r\n
                                            \"startTime\":
                     \"endTime\": 1493735982737,\r\n
1493735082737,\r\n
                                                        \"deviceSerial\":
\"ALL_DEVICES_SERIAL\",\r\n
                                  \"interface\": \"All Interfaces\",\r\n
\"displayFilter\": \"No Display Filtering\",\r\n
                                            \"direction\": \"outbound\",\r\n
                           \"executionType\": \"timeseries\",\r\n
\"flowType\": \"basic\",\r\n
\"sortBy": \"BIT_RATE\",\r\n \ \"flexSearch\": \"\",\r\n
                                                           \"businessHours\":
\"none\",\r\n
              \ \"binDuration\": \"auto\"\r\n \\r\n \\r\n \],\r\n
\ "timeZone\": {\r\n \"id\": \"Asia/Calcutta\",\r\n \"enableDst\": false\r\n },\r\n
\mbox{"sharingConfig}: [\r\n \r\n ]\r\n}")
      req, _ := http.NewRequest("POST", url, payload)
      req.Header.Add("content-type", "application/json")
      req.Header.Add("authorization", "Bearer 74285f2c7356d889f86b1d5900a110ba")
      req.Header.Add("cache-control", "no-cache")
      res, _ := http.DefaultClient.Do(reg)
      defer res.Body.Close()
      body, _ := ioutil.ReadAll(res.Body)
      fmt.Println(res)
      fmt.Println(string(body))
```

Java

```
HttpResponse<String> response =

Unirest.post("https://172.31.1.200:8093/v1/reports/queue")
.header("content-type", "application/json")
.header("authorization", "Bearer 74285f2c7356d889f86b1d5900a110ba")
.header("cache-control", "no-cache")
.body("{\r\n \"name\": \"Application\",\r\n \"reports\": [\r\n \\r\n \r\n \\r\n \r\n \\r\n \r\n \\r\n \\r\n \r\n \r\n
```

Python

```
import requests
url = "https://172.31.1.200:8093/v1/reports/queue"
\"reportId\": {\r\n \"category\": \"flow\",\r\n \"id\": \"8\"\r\n
\"parameters\": {\r\n \"startTime\": 1493735082737,\r\n
                                                 \"endTime\":
                   1493735982737,\r\n
\"interface\": \"All Interfaces\",\r\n
                              \"displayFilter\": \"No Display
             \"direction\": \"outbound\",\r\n
                                            \"flowType\": \"basic\",\r\n
Filtering\",\r\n
\"executionType\": \"timeseries\",\r\n
                                 \"sortBy\": \"BIT_RATE\",\r\n
\T: \T: \T' \
                     \"businessHours\": \"none\",\r\n
                                                     \"binDuration\":
\arrayconfig": [\r\n \"Asia/Calcutta\",\r\n \"enableDst\": false\r\n \,\r\n \"sharingConfig\": [\r\n
r\n ]\r\n}
headers = {
 'content-type': "application/json",
 'authorization': "Bearer 74285f2c7356d889f86b1d5900a110ba",
 'cache-control': "no-cache"
response = requests.request("POST", url, data=payload, headers=headers)
print(response.text)
```

Reports - Flow

Description: We will see the flow id and the default parameters required

Required Parameters

* Need to know Device Serial

StartTime and EndTime can be fetched from https://currentmillis.com/

EndTime should be the latest time

Name	Flow id	Parameters
Top Conversations	0	"startTime": 1495595546049,
.,		"endTime": 1495596446049,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"flowType": "basic",
		"executionType": "timeseries",
		"sortBy": "BIT_RATE",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
Bidirectional	1	"startTime": 1495595547284,
Source/Destination		"endTime": 1495596447284,
Pair		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "outbound",
		"flowType": "basic",
		"executionType": "timeseries",
		"sortBy": "BIT_RATE",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
Destination Address	2	"startTime": 1495595547297,
		"endTime": 1495596447297,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "outbound",
		"flowType": "basic",
		"executionType": "timeseries",
		"sortBy": "BIT_RATE",
		"flexSearch": "",
		"businessHours": "none",
1		"binDuration": "auto"

Source Address	3	"startTime": 1495595547284, "endTime": 1495596447284, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "inbound", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE",
		"flexSearch": "", "businessHours": "none", "binDuration": "auto"
Source or Destination Address	4	"startTime": 1495595547285, "endTime": 1495596447285, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto"
Address Pair	5	"startTime": 1495595547268, "endTime": 1495596447268, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "outbound", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto"

0 411	6	"startTime": 1495595547267,
Source Address	0	
Popularity		"endTime": 1495596447267,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "inbound",
		"flowType": "basic",
		"executionType": "timeseries",
		"sortBy": "DISSEMINATION",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
Destination Address	7	"startTime": 1495595547264,
Popularity		"endTime": 1495596447264,
7 3		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "outbound",
		"flowType": "basic",
		"executionType": "timeseries",
		"sortBy": "DISSEMINATION",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
Application	8	"startTime": 1495595547262,
Τιρριιαιιοπ		"endTime": 1495596447262,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "outbound",
		"flowType": "basic",
		"executionType": "timeseries",
		"sortBy": "BIT_RATE",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"

Protocol	9	"startTime": 1495595547248,
Frotocot		"endTime": 1495596447248,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "outbound",
		"flowType": "basic",
		"executionType": "timeseries",
		"sortBy": "BIT_RATE",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
Protocol Port	10	"startTime": 1495595547246,
		"endTime": 1495596447246,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "outbound",
		"flowType": "basic",
		"executionType": "timeseries",
		"sortBy": "BIT_RATE",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
AVC Application	11	"startTime": 1495595547228,
11 V & 11ppttettion		"endTime": 1495596447228,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "outbound",
		"flowType": "avc",
		"executionType": "timeseries",
		"sortBy": "BIT_RATE",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
		Difference : auto

A1:1:- C	12	"startTime": 1495595547228,
Application Group	12	
		"endTime": 1495596447228,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "outbound",
		"flowType": "basic",
		"executionType": "timeseries",
		"sortBy": "BIT_RATE",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
DSCP vs Application	13	"startTime": 1495595547221,
, ,		"endTime": 1495596447221,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "outbound",
		"flowType": "basic",
		"executionType": "timeseries",
		"sortBy": "BIT_RATE",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
DSCP	14	"startTime": 1495595547219,
Doci		"endTime": 1495596447219,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "outbound",
		"flowType": "basic",
		"executionType": "timeseries",
		"sortBy": "BIT_RATE",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
	15	onio addion . dato
	10	

AS Pair	16	"startTime": 1495595547217, "endTime": 1495596447217, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "outbound", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none",
Bidirectional AS Pair	17	"binDuration": "auto" "startTime": 1495595547206, "endTime": 1495596447206, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "outbound", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto"
Destination AS	18	"startTime": 1495595547191, "endTime": 1495596447191, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "outbound", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto"

Source AS	19	"startTime": 1495595547176, "endTime": 1495596447176, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "inbound", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto"
Source or Destination AS	20	"startTime": 1495595547169, "endTime": 1495596447169, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none",
Bidirectional Network Pair	21	"binDuration": "auto" "startTime": 1495595547167, "endTime": 1495596447167, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "outbound", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto"

Destination Network	22	"startTime": 1495595547154, "endTime": 1495596447154, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "outbound", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none",
		"binDuration": "auto"
Network Pair	23	"startTime": 1495595547153, "endTime": 1495596447153, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "outbound", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto"
Source Network	24	"startTime": 1495595547152, "endTime": 1495596447152, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "inbound", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto"

	25	(T'
Source or	25	"startTime": 1495595547150,
Destination Network		"endTime": 1495596447150,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "both",
		"flowType": "basic",
		"executionType": "timeseries",
		"sortBy": "BIT_RATE",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
Traffic Volume Pair	26	"startTime": 1495595547149,
<i>JJ</i>		"endTime": 1495596447149,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "both",
		"flowType": "basic",
		"executionType": "timeseries",
		"sortBy": "BIT_RATE",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
Top Applications	27	"startTime": 1495595547148,
Performance		"endTime": 1495596447148,
1 erjornunce		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"flowType": "avc",
		"executionType": "aggregation",
		"sortBy": "AVC_TOTAL_VOLUME",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"

		-
Policy Classification	28	"startTime": 1495595547130,
		"endTime": 1495596447130,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "both",
		"flowType": "avc",
		"executionType": "timeseries",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
Top Policy	29	"startTime": 1495595547127,
Performance		"endTime": 1495596447127,
1 erjormanee		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"flowType": "avc",
		"executionType": "aggregation",
		"sortBy": "AVC_TOTAL_VOLUME",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
Top Policy	30	"startTime": 1495595547099,
Applications		"endTime": 1495596447099,
Performance		"deviceSerial": "ALL_DEVICES_SERIAL",
,		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"flowType": "avc",
		"executionType": "aggregation",
		"sortBy": "AVC_TOTAL_VOLUME",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"

	01	(T'
HTTP Host	31	"startTime": 1495595547096,
		"endTime": 1495596447096,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "outbound",
		"flowType": "avc",
		"executionType": "timeseries",
		"sortBy": "BIT_RATE",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
Network Security	32	"startTime": 1495595547094,
Denied Events		"endTime": 1495596447094,
Benneu Beenne		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "inbound",
		"flowType": "nsel",
		"executionType": "timeseries",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
ACL D:	33	"startTime": 1495595547073,
ACL Pair	33	
		"endTime": 1495596447073,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "inbound",
		"flowType": "nsel",
		"executionType": "timeseries",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"

Out - (D-1) E	34	"startTime": 1495595547070,
Out of Policy Events	J 4	·
		"endTime": 1495596447070,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"flowType": "pfr",
		"executionType": "timeseries",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
Alerts by Site	35	"startTime": 1495595547070,
J		"endTime": 1495596447070,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"flowType": "pfr",
		"executionType": "timeseries",
		"sortBy": "TOTAL_ALERTS",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
11 1 0 1	26	
Alerts by Service	36	"startTime": 149559547052,
Provider		"endTime": 1495596447052,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"flowType": "pfr",
		"executionType": "timeseries",
		"sortBy": "TOTAL_ALERTS",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
Alerts by App Group	37	"startTime": 1495595546919,
(DSCP)		"endTime": 1495596446919,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"flowType": "pfr",
		"executionType": "timeseries",
		"sortBy": "TOTAL_ALERTS",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
		viiiDuration , auto

Alerts by Site Pair	38	"startTime": 1495595546917,
-		"endTime": 1495596446917,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"flowType": "pfr",
		"executionType": "timeseries",
		* -
		"sortBy": "TOTAL_ALERTS",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
Alerts All	39	"startTime": 1495595546912,
		"endTime": 1495596446912,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"flowType": "pfr",
		"executionType": "timeseries",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
0 1	40	
Corrected vs.	40	"startTime": 1495595546898,
Uncorrected		"endTime": 1495596446898,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"flowType": "pfr",
		"executionType": "timeseries",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
App Group (DSCP)	41	"startTime": 1495595546849,
Bandwidth		"endTime": 1495596446849,
Difficolonii		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering", "direction": "outbound",
		"flowType": "basic",
		"executionType": "timeseries",
		"sortBy": "BIT_RATE",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"

App Group (DSCP) Bandwidth by Site	42	"startTime": 1495595546834, "endTime": 1495596446834, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "outbound", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto"
App Group (DSCP) Bandwidth by Service Provider	43	"startTime": 1495595546835, "endTime": 1495596446835, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "outbound", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto"
Site Capacity Utilization	44	"startTime": 1495595546828, "endTime": 1495596446828, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "outbound", "flowType": "basic", "executionType": "timeseries", "sortBy": "CAPACITY_UTILIZATION", "flexSearch": "", "businessHours": "none", "binDuration": "auto"

Site Capacity Utilization by App Group (DSCP)	45	"startTime": 1495595546812, "endTime": 1495596446812, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "outbound", "flowType": "basic", "executionType": "timeseries", "sortBy": "CAPACITY_UTILIZATION", "flexSearch": "", "businessHours": "none",
Site Capacity Utilization by Service Provider	46	"binDuration": "auto" "startTime": 1495595546813, "endTime": 1495596446813, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "outbound", "flowType": "basic", "executionType": "timeseries", "sortBy": "CAPACITY_UTILIZATION", "flexSearch": "", "businessHours": "none", "binDuration": "auto"
Service Provider Bandwidth	47	"startTime": 1495595546816, "endTime": 1495596446816, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "outbound", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto"

Service Provider	48	"startTime": 1495595546791,
Bandwidth by App		"endTime": 1495596446791,
Group (DSCP)		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "outbound",
		"flowType": "basic",
		"executionType": "timeseries",
		"sortBy": "BIT_RATE",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
Service Provider	49	"startTime": 1495595546790,
Bandwidth by Site		"endTime": 1495596446790,
J		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "outbound",
		"flowType": "basic",
		"executionType": "timeseries",
		"sortBy": "BIT_RATE",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
Performance by Site	50	"startTime": 1495595546790,
		"endTime": 1495596446790,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "outbound",
		"flowType": "pfr",
		"executionType": "timeseries",
		"sortBy": "PFR_LOSS_AVG",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"

Performance by App Group (DSCP)	51	"startTime": 1495595546725, "endTime": 1495596446725, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "outbound", "flowType": "pfr", "executionType": "timeseries", "sortBy": "PFR_LOSS_AVG", "flexSearch": "",
		"businessHours": "none",
Performance by Service Provider	52	"binDuration": "auto" "startTime": 1495595546637, "endTime": 1495596446637, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "outbound", "flowType": "pfr", "executionType": "timeseries", "sortBy": "PFR_LOSS_AVG", "flexSearch": "", "businessHours": "none", "binDuration": "auto"
Source Country	53	"startTime": 149559546617, "endTime": 1495596446617, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "inbound", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto"

Destination Country	54	"startTime": 1495595546603, "endTime": 1495596446603, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "outbound", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto"
Source Site Traffic	55	"startTime": 1495595546597, "endTime": 1495596446597, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "inbound", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto"
Destination Site Traffic	56	"startTime": 1495595546598, "endTime": 1495596446598, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "outbound", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto"

	1	
Site Traffic	57	"startTime": 1495595546598,
		"endTime": 1495596446598,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "both",
		"flowType": "basic",
		"executionType": "timeseries",
		"sortBy": "BIT_RATE",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
User Filter	58	"startTime": 1495595546577,
		"endTime": 1495596446577,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "both",
		"flowType": "basic",
		"executionType": "timeseries",
		"sortBy": "BIT_RATE",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
Interface Bandwidth	59	"startTime": 1495595546570,
Thirtywee Bundounn		"endTime": 1495596446570,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "outbound",
		"flowType": "basic",
		"executionType": "timeseries",
		"sortBy": "BIT_RATE",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"

Outbound Bandwidth Utilization	60	"startTime": 1495595546570, "endTime": 1495596446570, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "outbound", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
Bandwidth Summary	61	"startTime": 1495595546561, "endTime": 1495596446561, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto"
Interface Bandwidth Summary	62	"startTime": 1495595546526, "endTime": 1495596446526, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto"

Jitter/Loss	63	"startTime": 1495595546527,
		"endTime": 1495596446527,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "both",
		"flowType": "medianet",
		"executionType": "timeseries",
		"sortBy": "JITTER_MEAN",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
Round-Trip Time	64	"startTime": 1495595546545,
Kouna-Imp Time		"endTime": 1495596446545,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "both",
		"flowType": "medianet",
		"executionType": "timeseries",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
Wireless SSID	65	"startTime": 1495595546523,
vvireless 551D	0.5	"endTime": 1495596446523,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "inbound",
		"flowType": "wireless",
		"executionType": "timeseries",
		"sortBy": "BIT_RATE",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"

Wireless SSID DSCP	66	"startTime": 1495595546525, "endTime": 1495596446525, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "inbound", "flowType": "wireless", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto"
Wireless SSID Application	67	"startTime": 149559546518, "endTime": 1495596446518, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "inbound", "flowType": "wireless", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto"
Wireless SSID Unique Clients	68	"startTime": 1495595546559, "endTime": 1495596446559, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "inbound", "flowType": "wireless", "executionType": "timeseries", "sortBy": "DISSEMINATION", "flexSearch": "", "businessHours": "none", "binDuration": "auto"

Wireless Access Point	69	"startTime": 1495595546516, "endTime": 1495596446516, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "inbound", "flowType": "wireless", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none",
Wireless Access Point Application	70	"binDuration": "auto" "startTime": 1495595546516, "endTime": 1495596446516, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "inbound", "flowType": "wireless", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none",
Wireless Access Point Unique Clients	71	"binDuration": "auto" "startTime": 1495595546395, "endTime": 1495596446395, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "inbound", "flowType": "wireless", "executionType": "timeseries", "sortBy": "DISSEMINATION", "flexSearch": "", "businessHours": "none", "binDuration": "auto"

Wireless Client	72	"startTime": 1495595546487, "endTime": 1495596446487, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "inbound", "flowType": "wireless",
		"executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none",
Device Flow Count	73	"binDuration": "auto" "startTime": 1495595546394,
	774	"endTime": 1495596446394, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "flexSearch": "", "businessHours": "none", "binDuration": "auto"
AnyConnect Users	74	"startTime": 1495595546395, "endTime": 1495596446395, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "flowType": "unknown", "executionType": "timeseries", "sortBy": "ANYCONNECT_L4BYTESOUT", "flexSearch": "", "businessHours": "none", "binDuration": "auto"

75	"startTime": 1495595546382,
	"endTime": 1495596446382,
	"deviceSerial": "ALL_DEVICES_SERIAL",
	"interface": "All Interfaces",
	"displayFilter": "No Display Filtering",
	"flowType": "unknown",
	"executionType": "timeseries",
	"sortBy": "ANYCONNECT_L4BYTESOUT",
	"flexSearch": "",
	"businessHours": "none",
	"binDuration": "auto"
76	"startTime": 1495595546365,
	"endTime": 1495596446365,
	"deviceSerial": "ALL_DEVICES_SERIAL",
	"interface": "All Interfaces",
	"displayFilter": "No Display Filtering",
	"flowType": "unknown",
	"executionType": "timeseries",
	"sortBy": "ANYCONNECT_L4BYTESOUT",
	"flexSearch": "",
	"businessHours": "none",
	"binDuration": "auto"
77	"startTime": 1495595546347,
	"endTime": 1495596446347,
	"deviceSerial": "ALL_DEVICES_SERIAL",
	"interface": "All Interfaces",
	"displayFilter": "No Display Filtering",
	"flowType": "unknown",
	"executionType": "timeseries",
	"sortBy": "ANYCONNECT_L4BYTESOUT",
	"flexSearch": "",
	"businessHours": "none",
	"binDuration": "auto"
	76

		·
AnyConnect	78	"startTime": 1495595546313,
Application Versions		"endTime": 1495596446313,
, ,		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"flowType": "unknown",
		"executionType": "timeseries",
		"sortBy": "ANYCONNECT_L4BYTESOUT",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
IPs and Ports	79	"startTime": 1495595546313,
		"endTime": 1495596446313,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "outbound",
		"flowType": "basic",
		"executionType": "timeseries",
		"sortBy": "BIT_RATE",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto
Traffic Class	80	"startTime": 1495595546314,
33		"endTime": 1495596446314,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "outbound",
		"flowType": "basic",
		"executionType": "timeseries",
		"sortBy": "BIT_RATE",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"

Business Relevance 81 "startTime": 1495595446288, "endTime": 1495596446288, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "outbound", "flowType": "basic", "executionType": "timeseries", "binDuration": "auto" User Filter DSCP Audit 82 "startTime": 149559546287, "endTime": 149559546287, "endTime": 1495596446287, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto" Application DSCP Audit 83 Application DSCP Audit 84 Application DSCP Audit 85 Application DSCP Audit 87 Application DSCP Audit 88 Application DSCP Audit 89 Application DSCP Audit 89 Application DSCP Audit Application DSCP Audit Base Audi			
"deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "outbound", "flowType": "basic", "executionType": "timeseries", "sortBy": "BTT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto" User Filter DSCP Audit 82 "startTime": 149559546287, "endTime": 1495596446287, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto" Application DSCP Audit 83 "startTime": 149559546285, "endTime": 149559546285, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "rexecutionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "",	Business Relevance	81	"startTime": 1495595546288,
"interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "outbound", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto" User Filter DSCP Audit #2 82 #3 #3 #3 #3 #4 #4 #4 #4 #5 #5 #5 #6 #5 #6 #6 #6 #6 #6			"endTime": 1495596446288,
"displayFilter": "No Display Filtering", "direction": "outbound", "flowType": "basic", "executionType": "timeseries", "sortBy": "BTT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto" User Filter DSCP Audit 82 "startTime": 149559546287, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BTT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto" Application DSCP Audit Audit 83 "startTime": 149559546285, "endTime": 1495596446285, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "govtBy": "BIT_RATE", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flowType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "flowType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "",			"deviceSerial": "ALL_DEVICES_SERIAL",
"direction": "outbound", "flowType": "basic", "executionType": "litmeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto" User Filter DSCP Audit 82 "startTime": 1495595546287, "endTime": 1495596446287, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "binDuration": "auto" Application DSCP Audit 83 Application DSCP Audit 84 Application DSCP Audit 85 "endTime": 149559546285, "endTime": 1495596446285, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "sortBy": "BIT_RATE", "flexSearch": "",			"interface": "All Interfaces",
"flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto" User Filter DSCP Audit User Filter DSCP Audit "startTime": 1495595546287, "endTime": 1495596446287, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto" Application DSCP Audit Application DSCP Audit 83 "startTime": 149559546285, "endTime": 1495595546285, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "flexSearch": "", "sortBy": "BIT_RATE", "flexSearch": "",			"displayFilter": "No Display Filtering",
"executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto" User Filter DSCP Audit 82 "startTime": 149559546287, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "interface": "AlL_DEVICES_SERIAL", "interface": "Both", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "flexSearch": "",			"direction": "outbound",
"executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto" User Filter DSCP Audit 82 "startTime": 149559546287, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "interface": "AlL_DEVICES_SERIAL", "interface": "Both", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "flexSearch": "",			"flowType": "basic",
"sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto" User Filter DSCP Audit 82 "startTime": 1495595446287, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto" Application DSCP Audit 83 "startTime": 149559546285, "endTime": 1495595446285, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "",			
"flexSearch": "", "businessHours": "none", "binDuration": "auto" User Filter DSCP Audit 82 "startTime": 149559546287, "endTime": 1495596446287, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto" Application DSCP Audit 83 "startTime": 149559546285, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "flexSearch": "",			
"binDuration": "auto" User Filter DSCP Audit "startTime": 1495595546287, "endTime": 1495596446287, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto" Application DSCP Audit 83 "startTime": 1495595546285, "endTime": 1495596446285, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "flexSearch": "", "flexSearch": "",			
"startTime": 1495595546287,			"businessHours": "none",
"endTime": 1495596446287, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto" Application DSCP Audit 83 "startTime": 149559546285, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "",			"binDuration": "auto"
"endTime": 1495596446287, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto" Application DSCP Audit 83 "startTime": 1495595546285, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "",	User Filter DSCP	82	"startTime": 1495595546287,
"deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "businessHours": "none", "binDuration": "auto" Application DSCP Audit 83 "startTime": 149559546285, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "",			·
"interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto" Application DSCP Audit 83 "startTime": 149559546285, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "",			· ·
"displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto" Application DSCP Audit 83 "startTime": 1495595546285, "endTime": 1495596446285, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "",			
"direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto" Application DSCP Audit 83 "startTime": 149559546285, "endTime": 1495596446285, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "",			·
"flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto" Application DSCP Audit 83 "startTime": 1495595546285, "endTime": 1495596446285, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "",			
"executionType": "timeseries",			,
"sortBy": "BIT_RATE", "flexSearch": "", "businessHours": "none", "binDuration": "auto" Application DSCP Audit 83 "startTime": 149559546285, "endTime": 1495596446285, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "",			J 1
"flexSearch": "", "businessHours": "none", "binDuration": "auto" Application DSCP Audit 83 "startTime": 1495595546285, "endTime": 1495596446285, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "",			7 -
"businessHours": "none", "binDuration": "auto" Application DSCP Audit 83			
"binDuration": "auto" Application DSCP Audit "startTime": 149559546285, "endTime": 1495596446285, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "",			
Application DSCP Audit "startTime": 1495595546285, "endTime": 1495596446285, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "",			
"endTime": 1495596446285, "deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "",	Application DSCP	83	
"deviceSerial": "ALL_DEVICES_SERIAL", "interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "",			,
"interface": "All Interfaces", "displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "",	1100000		
"displayFilter": "No Display Filtering", "direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "",			
"direction": "both", "flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "",			·
"flowType": "basic", "executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "",			
"executionType": "timeseries", "sortBy": "BIT_RATE", "flexSearch": "",			,
"sortBy": "BIT_RATE", "flexSearch": "",			V 1
"flexSearch": "",			V 1
· ·			
Dustilessi Tours , Horie ,			"businessHours": "none",
"binDuration": "auto"			

84	"startTime": 1495595546259,
	"endTime": 1495596446259,
	"deviceSerial": "ALL_DEVICES_SERIAL",
	"interface": "All Interfaces",
	"displayFilter": "No Display Filtering",
	"flowType": "basic",
	"executionType": "timeseries",
	"sortBy": "BIT_RATE",
	"flexSearch": "",
	"businessHours": "none",
	"binDuration": "auto"
85	"startTime": 1495595546214,
	"endTime": 1495596446214,
	"deviceSerial": "ALL_DEVICES_SERIAL",
	"interface": "All Interfaces",
	"displayFilter": "No Display Filtering",
	"direction": "outbound",
	"flowType": "basic",
	"executionType": "timeseries",
	"sortBy": "BIT_RATE",
	"flexSearch": "",
	"businessHours": "none",
	"binDuration": "auto"
86	"startTime": 1495595546199,
	"endTime": 1495596446199,
	"deviceSerial": "ALL_DEVICES_SERIAL",
	"interface": "All Interfaces",
	"displayFilter": "No Display Filtering",
	"direction": "outbound",
	"flowType": "basic",
	"executionType": "timeseries",
	"sortBy": "BIT_RATE",
	"flexSearch": "",
	"businessHours": "none",
	"binDuration": "auto"
	85

Ziften Machine	87	"startTime": 1495595546193,
Name		"endTime": 1495596446193,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "outbound",
		"flowType": "basic",
		"executionType": "timeseries",
		"sortBy": "BIT_RATE",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
Ziften OS Name	88	"startTime": 1495595546130,
		"endTime": 1495596446130,
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "outbound",
		"flowType": "basic",
		"executionType": "timeseries",
		"sortBy": "BIT_RATE",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"
Site to Site	89	"startTime": 1495595546074,
Outbound WAN		"endTime": 1495596446074,
Application Status		"deviceSerial": "ALL_DEVICES_SERIAL",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"flowType": "basic",
		"executionType": "timeseries",
		"sortBy": "BIT_RATE",
		"flexSearch": "",
		"businessHours": "none",
		"binDuration": "auto"

Top Analysis*	90	"startTime": 1495595546034,
10p 11nuiysis		"endTime": 1495596446034,
		"deviceSerial": "9LKIQ83QKXABF8UMKX34D",
		"interface": "All Interfaces",
		"displayFilter": "No Display Filtering",
		"direction": "both",
		"flowType": "basic",
		"topAnalysisDisplayType": "bytes",
		"executionType": "aggregation",
		"flexSearch": ""
Security Analysis	67890	"startTime": 1495595546052,
3 3		"endTime": 1495596446052,
		"displayFilter": "No Display Filtering",
		"direction": "both",
		"executionType": "aggregation",
		"flexSearch": ""

Reports - QoS

Description: We will see the QoS id and the default parameters required

Required Parameters

* Need to know Device Serial

StartTime and EndTime can be fetched from https://currentmillis.com/

EndTime should be the latest time

^{**} Need to know Device Serial along with Interface

Name	QoS id	Parameters
NBAR and Post-	0	"deviceSerial": "9LKIQ83QKXABF8UMKX34D",
Policy**		"interface": "GigabitEthernet0/0",
J		"direction": "outbound",
		"startTime": 1495595544459,
		"endTime": 1495596444459,
		"businessHours": "none",
		"executionType": "timeseries"
Pre-Policy and Post-	1	"deviceSerial": "9LKIQ83QKXABF8UMKX34D",
Policy**		"interface": "GigabitEthernet0/0",
		"direction": "outbound",
		"startTime": 1495595544958,
		"endTime": 1495596444958,
		"businessHours": "none",
		"executionType": "timeseries"
Pre-Policy and Post-	2	"deviceSerial": "9LKIQ83QKXABF8UMKX34D",
Policy Drops		"interface": "GigabitEthernet0/0",
		"direction": "outbound",
		"startTime": 1495595544937,
		"endTime": 1495596444937,
		"businessHours": "none",
		"executionType": "timeseries"
Interface/Interface	3	"executionType": "timeseries",
Drops**		"deviceSerial": "9LKIQ83QKXABF8UMKX34D",
,		"endTime": 1495596444495,
		"startTime": 1495595544495,
		"interface": "GigabitEthernet0/0"
Interface Errors**	4	"deviceSerial": "9LKIQ83QKXABF8UMKX34D",
,		"interface": "GigabitEthernet0/0",
		"startTime": 1495595544937,
		"endTime": 1495596444937,
		"executionType": "timeseries",
		"businessHours": "none"
Top Class	5	"direction": "outbound",
Bandwidths		"executionType": "aggregation",
		"excludeClassDefaults": false,
		"flexSearch": "",
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"endTime": 1495596444956,
		"startTime": 1495595544956

T C1 D	(Il dinactionally llocate over all
Top Class Drops	6	"direction": "outbound",
		"executionType": "aggregation",
		"excludeClassDefaults": false,
		"flexSearch": "",
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"endTime": 1495596444938,
		"startTime": 1495595544938
Top Interface	7	"direction": "outbound",
Bandwidths		"executionType": "aggregation",
		"flexSearch": "",
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"endTime": 1495596444935,
		"startTime": 1495595544935
Ton Interface Drome	8	"direction": "outbound",
Top Interface Drops		"executionType": "aggregation",
		"flexSearch": "",
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"endTime": 1495596444933,
		"startTime": 1495595544933
Top CPU Usage	9	"executionType": "aggregation",
		"flexSearch": "",
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"endTime": 1495596444908,
		"startTime": 1495595544908
Top Memory Usage	10	"executionType": "aggregation",
1 3 8		"flexSearch": "",
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"endTime": 1495596444907,
		"startTime": 1495595544907
Top Application	11	"direction": "outbound",
Bandwidth		"executionType": "aggregation",
Dunuwium		"flexSearch": "",
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"endTime": 1495596444918,
T	10	"startTime": 1495595544918
Interface	12	"businessHours": "none",
Bandwidth**		"executionType": "timeseries",
		"deviceSerial": "9LKIQ83QKXABF8UMKX34D",
		"endTime": 1495596444891,
		"startTime": 1495595544891,
		"interface": "GigabitEthernet0/0"

	10	H1 · TT H H H
Interface	13	"businessHours": "none",
Utilization**		"executionType": "timeseries",
		"binDuration": "auto",
		"deviceSerial": "9LKIQ83QKXABF8UMKX34D",
		"endTime": 1495596444895,
		"startTime": 1495595544895,
		"interface": "GigabitEthernet0/0"
Device CPU/Memory	14	"deviceSerial": "9LKIQ83QKXABF8UMKX34D",
Usage*		"startTime": 1495595544893,
8		"endTime": 1495596444893,
		"executionType": "timeseries"
Site Bandwidth	15	"site": "Unspecified",
Site Duniawiani		"direction": "outbound",
		"wan": false,
		"startTime": 1495595544890,
		"endTime": 1495596444890,
		"executionType": "timeseries"
Intouface Deventable	16	"executionType": "aggregation",
Interface Burstable Rate	10	"flexSearch": "",
Kate		"endTime": 1495596444893,
		"direction": "combined",
		"startTime": 1495595544893
C'A TATANTA A	17	
Site WAN Interface	17	"startTime": 1495595544892,
Utilization		"endTime": 1495596444892,
	10	"executionType": "aggregation"
Site Alert	18	"startTime": 1495595544877,
		"endTime": 1495596444877,
		"executionType": "aggregation",
		"flexSearch": ""
Site Alert Detail	19	"startTime": 1495595544892,
		"endTime": 1495596444892,
		"executionType": "aggregation"
Alerts	20	"startTime": 1495595544884,
		"endTime": 1495596444884,
		"flexSearch": "",
		"deviceSerial": "ALL_DEVICES_SERIAL",
		"alertsType": "all",
		"executionType": "timeseries"
Devices	21	"executionType": "aggregation",
		"flexSearch": ""
Interfaces	22	"executionType": "aggregation",
l l l l l l l l l l l l l l l l l l l		"flexSearch": ""
	I	<u> </u>

Site Count by Alert	23	"site": "All Sites (All Devices)",
Туре		"executionType": "aggregation",
		"endTime": 1495596444819,
		"startTime": 1495595544819
Alerts/Utilization by	24	"startTime": 1495595544861,
Site		"endTime": 1495596444861,
		"site": "All Sites (All Devices)",
		"executionType": "aggregation"
Alerts by Device	25	"startTime": 1495595544723,
		"endTime": 1495596444723,
		"site": "All Sites (All Devices)",
		"executionType": "aggregation"
Alerts by Interface	26	"startTime": 1495595544859,
		"endTime": 1495596444859,
		"site": "All Sites (All Devices)",
		"executionType": "aggregation"
Device Count by	27	"startTime": 1495595544748,
Alert Type		"endTime": 1495596444748,
There i ype		"site": "All Sites (All Devices)",
		"executionType": "aggregation"
Site WAN Interface	28	"direction": "outbound",
Bandwidth by		"site": "All Sites (All Devices)",
<i>Application</i>		"executionType": "aggregation",
1 ippromitori		"endTime": 1495596444743,
		"startTime": 1495595544743
Device Status	29	"site": "All Sites (All Devices)",
Device ourno		"executionType": "aggregation",
		"endTime": 1495596444806,
		"startTime": 1495595544806
Interface Status*	30	"executionType": "aggregation",
interface status		"endTime": 1495596444770,
		"deviceSerial": "9LKIQ83QKXABF8UMKX34D",
		"startTime": 1495595544770
WAN	31	"site": "All Sites (All Devices)",
Alerts/Bandwidth by		"executionType": "aggregation",
Application		"endTime": 1495596444721,
11/11/11/11/11		"startTime": 1495595544721
Ton Changed	32	"comparisonMonth": "May 2017",
Top Changed -	32	"flexSearch": "",
Interface Burstable		"businessHours": "none",
Rate		
		"executionType": "aggregation"

Top Changed - CPU Usage Top Changed - Memory Usage	33 34	"deviceSerial": "ALL_DEVICES_SERIAL", "comparisonMonth": "May 2017", "flexSearch": "", "executionType": "aggregation", "businessHours": "none" "deviceSerial": "ALL_DEVICES_SERIAL", "comparisonMonth": "May 2017", "flexSearch": "", "businessHours": "none",
	25	"executionType": "aggregation"
Post-Policy Drops**	35	"deviceSerial": "9LKIQ83QKXABF8UMKX34D", "interface": "GigabitEthernet0/0", "direction": "outbound", "startTime": 1495595544700, "endTime": 1495596444700, "businessHours": "none", "executionType": "timeseries"
Top Changed Comparison - Interface Burstable Rate	36	"startTime": 1495595544656, "endTime": 1495596444656, "flexSearch": "", "businessHours": "none", "executionType": "aggregation"
Top Changed Comparison - CPU Usage	37	"deviceSerial": "ALL_DEVICES_SERIAL", "startTime": 1495595544607, "endTime": 1495596444607, "flexSearch": "", "executionType": "aggregation", "businessHours": "none"
Top Changed Comparison - Memory Usage	38	"deviceSerial": "ALL_DEVICES_SERIAL", "startTime": 1495595544509, "endTime": 1495596444509, "flexSearch": "", "businessHours": "none", "executionType": "aggregation"

More Code Samples

Fetch all Site Status

Description: This API will return all Site Status. We need to get the bearer token from authentication API

GET https://<server-uri>:8093/v1/siteStatus

We have used 172.31.1.200 as our LiveNX IP, 74285f2c7356d889f86b1d5900a110ba as access_token from Authentication API

cURL

```
curl -X GET \
https://172.31.1.200:8093/v1/siteStatus \
-H 'authorization: Bearer 74285f2c7356d889f86b1d5900a110ba' \
-H 'cache-control: no-cache' \
-H 'content-type: application/json'
```

NodeJS

```
var unirest = require("unirest");

var req = unirest("GET", "https://172.31.1.200:8093/v1/siteStatus");

req.headers({
   "cache-control": "no-cache",
   "authorization": "Bearer 74285f2c7356d889f86b1d5900a110ba",
   "content-type": "application/json"
});

req.end(function (res) {
   if (res.error) throw new Error(res.error);
   console.log(res.body);
});
```

```
package main
import (
       "fmt"
       "net/http"
       "io/ioutil"
func main() {
       url := "https://172.31.1.200:8093/v1/siteStatus"
       req, _ := http.NewRequest("GET", url, nil)
       req.Header.Add("content-type", "application/json")
       req.Header.Add("authorization", "Bearer 74285f2c7356d889f86b1d5900a110ba")
       req.Header.Add("cache-control", "no-cache")
       res, _ := http.DefaultClient.Do(req)
       defer res.Body.Close()
       body, _ := ioutil.ReadAll(res.Body)
       fmt.Println(res)
       fmt.Println(string(body))
```

Java

```
HttpResponse<String> response = Unirest.get("https://172.31.1.200:8093/v1/siteStatus")
.header("content-type", "application/json")
.header("authorization", "Bearer 74285f2c7356d889f86b1d5900a110ba")
.header("cache-control", "no-cache")
.asString();
```

Python

```
import requests

url = "https://172.31.1.200:8093/v1/siteStatus"
```

```
headers = {
    'content-type': "application/json",
    'authorization': "Bearer 74285f2c7356d889f86b1d5900a110ba",
    'cache-control': "no-cache"
    }
response = requests.request("GET", url, headers=headers)
print(response.text)
```

Fetch all Device Status

Description: This API will return all Device Status. We need to get the bearer token from authentication API

GET https://<server-uri>:8093/v1/deviceStatus

We have used 172.31.1.200 as our LiveNX IP, 74285f2c7356d889f86b1d5900a110ba as access_token from Authentication API

cURL

```
curl -X GET \
https://172.31.1.200:8093/v1/deviceStatus \
-H 'authorization: Bearer 74285f2c7356d889f86b1d5900a110ba' \
-H 'cache-control: no-cache' \
-H 'content-type: application/json'
```

NodeJS

```
var unirest = require("unirest");

var req = unirest("GET", "https://172.31.1.200:8093/v1/deviceStatus");

req.headers({
   "cache-control": "no-cache",
   "authorization": "Bearer 74285f2c7356d889f86b1d5900a110ba",
   "content-type": "application/json"
});
```

```
req.end(function (res) {
  if (res.error) throw new Error(res.error);
  console.log(res.body);
});
```

GO

```
package main
import (
       "fmt"
       "net/http"
       "io/ioutil"
func main() {
       url := "https://172.31.1.200:8093/v1/deviceStatus"
       req, _ := http.NewRequest("GET", url, nil)
       req.Header.Add("content-type", "application/json")
       req.Header.Add("authorization", "Bearer 74285f2c7356d889f86b1d5900a110ba")
       req.Header.Add("cache-control", "no-cache")
       res, _ := http.DefaultClient.Do(req)
       defer res.Body.Close()
       body, _ := ioutil.ReadAll(res.Body)
       fmt.Println(res)
       fmt.Println(string(body))
```

Java

```
HttpResponse<String> response =
Unirest.get("https://172.31.1.200:8093/v1/deviceStatus")
.header("content-type", "application/json")
```

```
.header("authorization", "Bearer 74285f2c7356d889f86b1d5900a110ba")
.header("cache-control", "no-cache")
.asString();
```

Python

```
import requests

url = "https://172.31.1.200:8093/v1/deviceStatus"

headers = {
    'content-type': "application/json",
    'authorization': "Bearer 74285f2c7356d889f86b1d5900a110ba",
    'cache-control': "no-cache"
    }

response = requests.request("GET", url, headers=headers)

print(response.text)
```