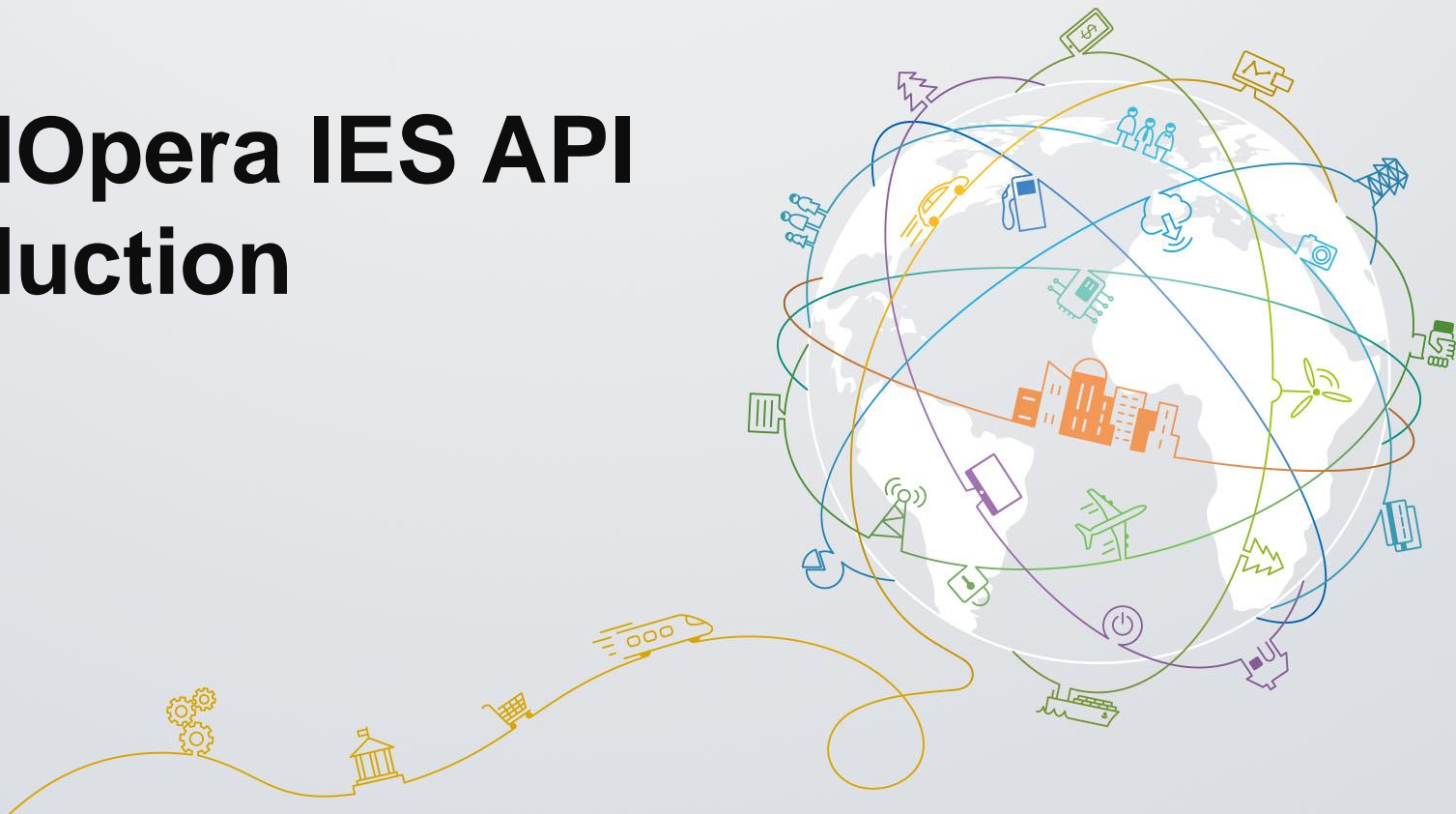


# CloudOpera IES API Introduction



# Huawei CloudOpera IES APIs introduction

*IES contributes the following APIs and CloudVPN service environment.*

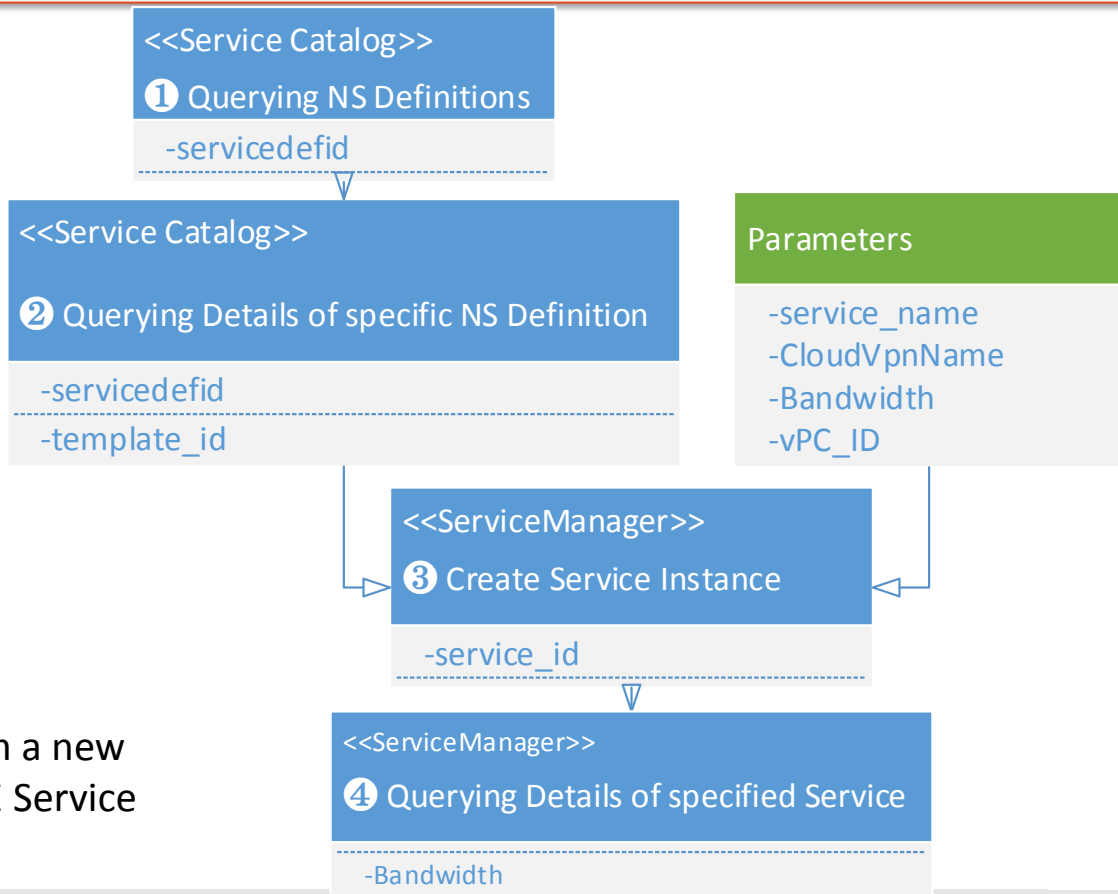
Category	API Name	Action	URL
Service Catalog	Querying NS Definitions	GET	/catalog/v1/servicedefs
	Querying Details of specific NS Definition	GET	/catalog/v1/servicedefs/{servicedefId}/details
ServiceManager	Creating Service Instance	POST	/servicemanager/v1/services
	Querying Service List	GET	/servicemanager/v1/services
	Querying Details of specified Service	GET	/servicemanager/v1/services/{serviceId}
	Modifying Service Instance	PUT	/servicemanager/v1/services/{serviceId}
	Deleting Service Instance	DEL	/servicemanager/v1/services/{serviceId}
CloudVPN Watch	Querying CloudVPN traffic	GET	/cloudvpnwatch/v1/traffic/connections/{connection-name}/{metric}

# API Scenario1: Create & activate CloudVPN service

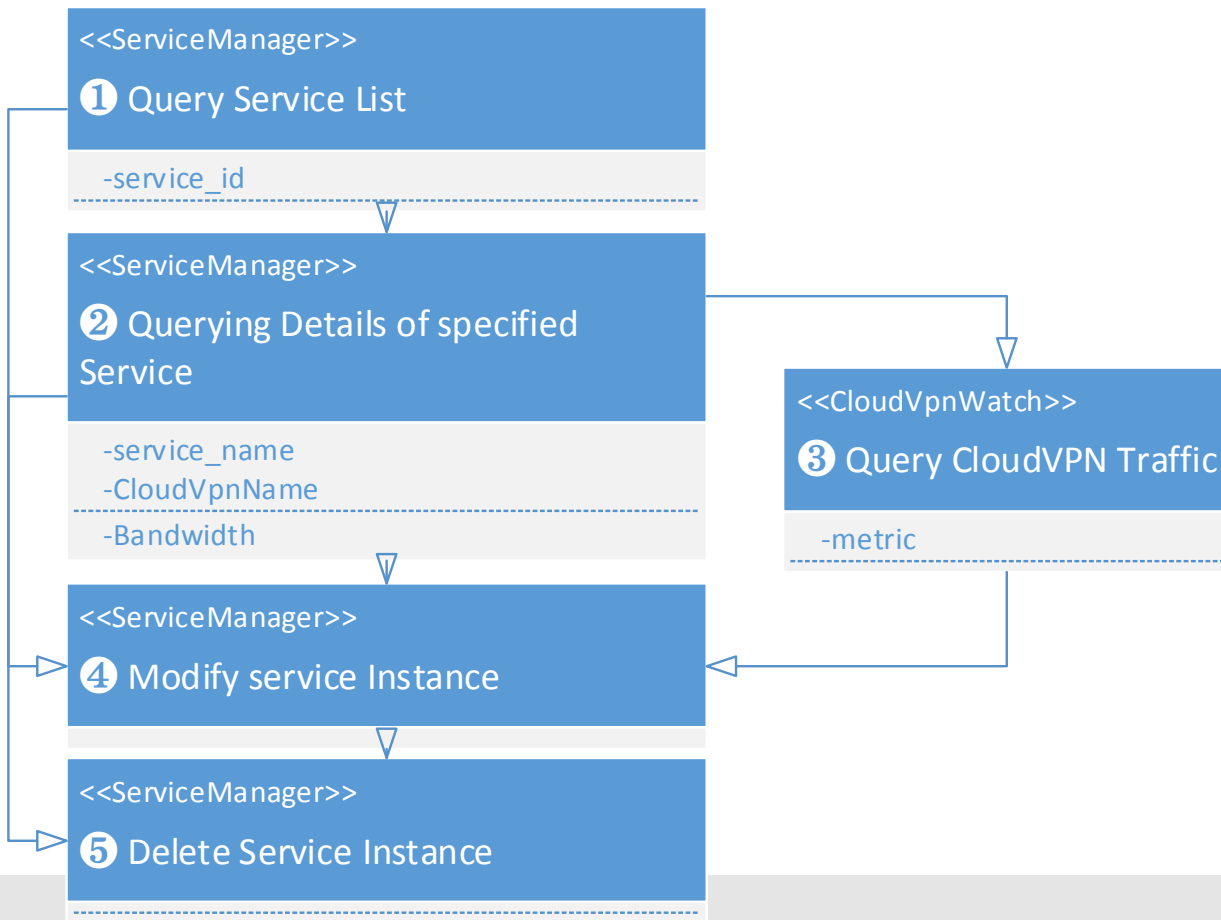
- ① Query available network service definition and get “**servicedefid**”
- ② Get the “**template\_id**” of network service definition
- ③ Create CloudVPN service to complete E2E service provisioning and return “**service\_id**”
- ④ Check service status and bandwidth



It will take about 10 minutes from a new CloudVPN service creation to E2E Service activation.



# API Scenario2: Elastically scale CloudVPN network



- ① Get “service\_id” of CloudVPN service Instance;
- ② Get the details of the “service\_id”, including “CloudVpnName” / “bandwidth” / “service\_name”;
- ③ Monitoring CloudVPN traffic;
- ④ Modify bandwidth of CloudVPN
- ⑤ Delete CloudVPN to free up network resource.

## Querying NS Definitions

GET /servicedefs

ServiceCatalog

### Summary

Query NS Definitions

### Description

Query all the NS definitions available to the current tenant. curl:

```
curl -i -H "Content-Type:application/json" -X GET  
"https://accessip:port/rest/catalog/v1/servicedefs"
```

### Responses

Code	Description	Schema
200	Operation successful	<pre>▼GetServiceDefinitionRsp {   totalNum:   ▶ integer   pageSize:   ▶ integer   totalPageNum: ▶ integer   currentPage: ▶ integer   data:       ▶ [] }</pre>
400	Parameter error	
500	Internal error	

# API Description: Service Catalog APIs

## Querying NS Definitions : Request & Response

### ➤ Request Code:

GET /rest/catalog/v1/servicedefs HTTP/1.1

Host: 218.4.33.207:17100

X-Auth-Token:

```
MIIETAYJKoZIhvcNAQcCoIIPTCCBDkCAQExDTALBglghk  
gBZQMEAgEwggKaBgkqhkiG9w0BBwGgggKLBIICh3siZX  
hwaXJlc19hdCI6IjIwMTctMDQzMjVUMjE6NTE6
```

Authorization: Bearer 6a8cbc0e-e93c-4684-9a39-40d085bd657e

Cache-Control: no-cache

Postman-Token: 03ebe5c2-4789-0eef-d8bd-ab6cc02b2568

✓ Return **“servicedefId”** that belongs to current tenant.

### ➤ Response Body:

Pretty

Raw

Preview

JSON



```
1 {  
2   "currentPage": 0,  
3   "data": [  
4     {  
5       "categories": null,  
6       "createdAt": 1493948644546,  
7       "creator": "om_team",  
8       "description": "IES_TMF_OpenHack_Nice",  
9       "domain": "stack",  
10      "format": "JSON",  
11      "formatVersion": "2017-05-5",  
12      "name": "IES_TMF_OpenHack_Nice",  
13      "offlineAt": 0,  
14      "onlineAt": 0,  
15      "publishTenantType": [  
16        "om_team",  
17        "op_tenant"  
18      ],  
19      "refCount": 6,  
20      "serviceDefId": "8c34e27ed6644bbfbce93a41a05cb7ab",  
21      "serviceType": "service",  
22      "status": "active",  
23      "systemDef": false,  
24      "tenantId": "db58f937c61141b3a92f28899cbb1555",  
25      "version": "v2"  
26    },  
27  ]  
28 }
```

# API Description: Service Catalog APIs

## Querying Details About an NS Definition

GET /catalog/v1/servicedefs/{serviceDefId}/details

### Summary

Querying Details of specific NS Definition

### Description

Query all the available NS definitions to the current tenant.

curl Sample:

```
curl -i -H "Content-Type:application/json" -X GET "https://accessip:port/rest/catalog/v1/servicedefs/{serviceDefId}/details"
```

✓ Input "serviceDefId"

### Parameters

Name	Located in	Description	Required	Schema
serviceDefId	path	Service Definition ID	Yes	⇨ string

### Responses

Code	Description	Schema
200	The GetServiceDefDetailRsp object is returned.	⇨ ▶ GetServiceDefDetailRsp { }
400	Parameter error.	
404	NS definition is not found.	
500	Internal error	

# API Description: Service Catalog APIs

## Querying Details About an NS Definition

### ➤ Request Code:

```
GET
/rest/catalog/v1/servicedefs/8c34e27ed6644bbfbce93a41a05cb7ab/details HTTP/1.1
Host: 218.4.33.207:17100
X-Auth-Token:
MIIETAYJKoZIhvcNAQcColIEPTCCBDkCAQExDTALBglghkgBZQME
AgEwggKaBgkqhkiG9w0BBwGgggKLBIICh3siZXhwaXJlc19hdCI6I
jIwMTctMDQtMjVUMjE6NTE6
Authorization: Bearer 6a8cbc0e-e93c-4684-9a39-
40d085bd657eCache-Control: no-cache
Postman-Token: b5aea431-a2a5-d667-b6ca-7a3f1d4b1b88
```

✓ **servicedefid**

✓ Return **“template\_id”** and **“servicedefid”**

### ➤ Response Body:

```
1
2 "categories": [],
3 "createdAt": 1493948644546,
4 "creator": "om_team",
5 "description": "IES_TMF_OpenHack_Nice",
6 "domain": "stack",
7 "format": "JSON",
8 "formatVersion": "2017-05-5",
9 "name": "IES_TMF_OpenHack_Nice",
10 "offlineAt": 0,
11 "onlineAt": 0,
12 "pkgFileName": "IES_TMF_OpenHack_Nice_V2_20170505.zip",
13 "publishTenantType": [
14   "om_team",
15   "op_tenant"
16 ],
17 "refCount": 6,
18 "serviceDefId": "8c34e27ed6644bbfbce93a41a05cb7ab",
19 "serviceType": "service",
20 "status": "active",
21 "systemDef": false,
22 "templates": [
23   {
24     "id": "e77fc5e21e1e42c9933ec9574c33a5d8",
25     "name": "IES_TMF_OpenHack_Nice.json",
26     "type": "VTL",
27     "url": "/rest/catalog/v1/servicedefs/8c34e27ed6644bbfbce93a41a05cb7ab/tem
28   }
29 ],
```



## Creating Service Instance

POST /servicemanager/v1/services

### Summary

Creating Service Instance

### Description

Create and active a new Service Instance curl Sample:

```
curl -i -H "Content-Type:application/json" -X POST -d "{json}" "https://accessip:port/rest/servicemanager/v1/services"
```

### Parameters

Name	Located in	Description	Required	Schema
createServiceRequestBody	body	service definition ID	Yes	<pre>createServiceRequest {   service_definition_id: string   template_id: string   name: string   onfailure: string   description: string   parameters: undefined   nsd_script: undefined }</pre>

### Responses

Code	Description	Schema
202	When information is returned normally, Location indicates the URI of the creation task. Users can query the URI to obtain the task creation progress.	<pre>createServiceRsp {   createServiceResponse: createServiceResponse {     service_id: string     operation_id: string   } }</pre>

ServiceManager

- ✓ Service\_definition\_id = servicedefid
- ✓ Template\_id
- ✓ Parameters

## Creating Service Instance



Request Code:

```
POST /rest/servicemanager/v1/services HTTP/1.1
Host: 218.4.33.207:17100
X-Auth-Token:
Content-Type: application/json
Authorization: Bearer 6a8cbc0e-e93c-4684-9a39-40d085bd657e
Cache-Control: no-cache
Postman-Token: 616e170f-dc54-51db-493d-f9f3d2f5631d
{
  "onfailure": "rollback",
  "service": {
    "name": "site2dc4_201705071158",
    "description": "",
    "service_definition_id": "8c34e27ed6644bbfbce93a41a05cb7ab",
    "template_id": "e77fc5e21e1e42c9933ec9574c33a5d8",
    "parameters": {
      "Site2DCList": [
        {
          "VPC_ID": "db79cd8b-91e2-43f8-9791-54b8b2181a70",
          "CloudVpnName": "052DC4201705071158",
          "VNI": "2236",
          "CPE_A_Site": "siteDC201705071132",
          "CPE_A_Type": "AR169FGW-L",
          "CPE_A_ESN": "21500102003GG3000704",
          "CPE_A_Position": "siteDC201705071132",
          "CPE_A_POP": "Manager_VPC",
          "Bandwidth": "60000",
          "cidr": "163.113.12.1",
          "cidrBlockSize": "24",
          "action": "create"
        }
      ]
    }
  }
}
```



Response Body:

```
{
  "service":
  {
    "service_id": "4YFCYXi6TPu8gG1CQ7VocA",
    "operation_id": "31af59f1dc72437cb1c8f7"
  }
}
```

✓ Return "service\_id" that is the service instance ID .

- ✓ The variables of "parameters" can get from <IES Environment and Data.xlsx>.
- ✓ "CloudVpnName" and "Bandwidth" are mandatory.

# API Description: ServiceManager APIs

## Query Service List

GET /servicemanager/v1/services

### Summary

Query Service List

### Description

Query the service instance list

curl Sample:

```
curl -i -H "Content-Type:application/json" -X GET -d "{}" "https://accessip:port/rest/servicemanager/v1/services"
```

### Responses

Code	Description
200	The list of all service instances is returned.

Schema

```
▼getServiceListRsp {  
  services: ▼[  
    Indicates the returned List of services  
    ▼serviceRsp {  
      name: ▶ string  
      description: ▶ string  
      creator: ▶ string  
      service_id: ▶ string  
      service_definition_id: ▶ string  
      template_id: ▶ string  
      active_status: ▶ string  
      status: ▶ string  
      created_at: ▶ integer  
    }  
  ]  
}
```

✓ Return all of the service instances belong to current tenant.

# API Description: ServiceManager APIs

## Query Service List

### ➤ Request Code:

GET /rest/servicemanager/v1/services HTTP/1.1

Host: 218.4.33.207:17100

X-Auth-Token:

```
MIETAYJKoZlIhvcNAQcColIEPTCCBDkCAQExDTALBglghkgBZQ  
MEAgEwggKaBgkqhkiG9w0BBwGgggKLBIICh3siZXhwaXJlc19h  
dCI6IjIwMTctMDQtMjVUMjE6NTE6
```

Authorization: Bearer 6a8cbc0e-e93c-4684-9a39-40d085bd657e

Cache-Control: no-cache

Postman-Token: 5d26c3a6-0e9b-f213-f0dc-66eae9d7bbf7

✓ Return **“service\_id”** .

**For the developing scenarios of scaling bandwidth, you can call the API to directly get available service instance;**

**For the E2E service provisioning scenarios, you can get it by calling “Creating Service Instance”**

### ➤ Response Body:

Body Cookies Headers (7) Tests

Pretty

Raw

Preview

JSON



```
1 {  
2   "services": [  
3     {  
4       "active_status": "Deactive",  
5       "created_at": 1494052819361,  
6       "creator": "nbitest_11",  
7       "description": "",  
8       "name": "s2s_201705061433",  
9       "nfv_tag": null,  
10      "service_definition_id": "8c34e27ed6644bbfbc93a41a05cb7ab",  
11      "service_id": "8hiqNgCSZmr1D1MyR0Jbg",  
12      "status": "Completed",  
13      "template_id": "e77fc5e21e1e42c9933ec9574c33a5d8",  
14      "tenant_id": null,  
15      "tenant_name": null  
16    }  
17  ]  
18 }
```

# API Description: ServiceManager APIs

## Querying Details of specified Service

GET /servicemanager/v1/services/{serviceId}

### Summary

Querying Details of specified Service

### Description

Query the information of the specified service.

curl Sample:

```
curl -i -H "Content-Type:application/json" -X GET -d "{}" "https://accessip:port/rest/servicemanager/v1/services/4Ucf14777le4j5RjplJ49Q"
```

✓ service\_id

### Parameters

Name	Located in	Description	Required	Schema
serviceId	path	Service Instance ID	Yes	string

### Responses

Code	Description	Schema
200	When information is returned normally, it returns the specified business instance information	<pre>getServiceRsp {   service: service {     name: string     description: string     creator: string     service_id: string     service_definition_id: string     template_id: string     active_status: string     status: string     created_at: integer     parameters: parameters { }</pre>

# API Description: ServiceManager APIs

## Querying Details of specified Service

### ➤ Request Code:

```
GET /rest/servicemanager/v1/services/8hiquNgCSZmrID1MyROJbg
HTTP/1.1
Host: 218.4.33.207:17100
X-Auth-Token:
MIETAYJKoZlIhvcNAQcColIEPTCCBDkCAQExDTALBglghkgBZQ
MEAgEwggaKaBgkqhkiG9w0BBwGgggKLBIICh3siZXhwaXJlc19h
dCI6IjIwMTctMDQtMjVUMjE6NTE6
Authorization: Bearer 6a8cbc0e-e93c-4684-9a39-40d085bd657e
Cache-Control: no-cache
Postman-Token: 40308738-6117-3f72-a029-fb84e5b2b6e7
```

✓ Return “**service\_name**” “**Bandwidth**” and “**CloudVpnName**”  
If you want to update bandwidth or have done, you can call the APIs to get/ check .

### ➤ Response Body:

```
1 {
2   "service": {
3     "active_status": "Deactive",
4     "created_at": 1494052819361,
5     "creator": "nbitest_11",
6     "description": "",
7     "name": "s2s_201705061433",
8     "nfv_tag": null,
9     "parameters": {
10      "Site2SiteList": [
11        {
12          "Bandwidth": "30000",
13          "CPE_A_ESN": "21500102003GG3000630",
14          "CPE_A_Position": "siteA201705061433",
15          "CPE_A_Site": "siteA201705061433",
16          "CPE_A_Type": "AR169FGW-L",
17          "CPE_Z_ESN": "21500102003GG3000674",
18          "CPE_Z_Position": "siteZ201705061433",
19          "CPE_Z_Site": "siteZ201705061433",
20          "CPE_Z_Type": "AR169FGW-L",
21          "CloudVpnName": "VPNS2S201705061433",
22          "VNI": "1236"
23        }
24      ]
25    },
26    "service_definition_id": "8c34e27ed6644bbfbce93a41a05cb7ab",
27    "service_id": "8hiquNgCSZmrID1MyROJbg",
28    "status": "Completed",
29    "template_id": "e77fc5e21e1e42c9933ec9574c33a5d8",
30    "tenant_id": null,
```

## Modify Service Instance

PUT /servicemanager/v1/services/{serviceId}

ServiceManager

### Summary

Modify Service Instance

### Description

Modify a created service instance attributions curl Sample:

Use this API to update CloudVPN bandwidth.

```
curl -i -H "Content-Type:application/json" -X PUT -d "{json}" "https://accessip:port/rest/servicemanager/v1/services/4Ucfi4T7TMeAj5RjpkJ46Q"
```

### Parameters

Name	Located in	Description	Required	Schema
<a href="#">serviceId</a>	path	service id	Yes	$\Rightarrow$ Object type: "string"
<a href="#">updateServiceRequestBody</a>	body	Indicates the returned information of modified service	Yes	$\Rightarrow$ updateServiceRequest { onfailure: string name: string description: string parameters: undefined nsd_script: undefined }

### Responses

Code	Description	Schema
202	When information is returned normally, Location indicates the URI of the query task. Users can query the URI to obtain the task execution progress	$\Rightarrow$ updateServiceResp { }

## Modify Service Instance

### ➤ Request Code:

```
1 PUT /rest/servicemanager/v1/services/8hiqNgCSZmr1D1MyR0Jbg HTTP/1.1
2 Host: 218.4.33.207:17100
3 X-Auth-Token: MIIETAYJKoZIhvcNAQcCoIIIEPTCCBDkCAQEExDTALBg1ghkgBZQMEAgEwggKaBgkqhkiG9w0BBwGgggKL
  BIICh3siZXhwaXJlc19hdCI6IjIwMTctMDQtMjVUMjE6NTE6
4 Content-Type: application/json
5 Authorization: Bearer 6a8cbc0e-e93c-4684-9a39-40d085bd657e
6 Cache-Control: no-cache
7 Postman-Token: 68981b41-d648-f805-71ec-88010bb2526f
8
9 {
10   "onfailure": "rollback",
11   "service": {
12     "name": "s2s_201705061433", ✓ service_name
13     "description": "",
14     "service_definition_id": "8c34e27ed6644bbfbce93a41a05cb7ab",
15     "template_id": "e77fc5e21e1e42c9933ec9574c33a5d8",
16     "parameters": {
17       "Site2SiteList": [
18         {
19           "Bandwidth": "30000",
20           "CloudVpnName": "VPNS2S201705061433",
21           "action": "update"
22         }
23       ]
24     }
25   }
26 }
```

### ➤ Response Body:

```
1 {
2   "operation_id": "LSmM5cIwTM-qbtG0YrhD4Q"
3 }
```

✓ Input **“Bandwidth”** to adjust CloudVPN network bandwidth.



## Delete Service Instance

DELETE /servicemanager/v1/services/{serviceId}

ServiceManager

### Summary

Delete Service Instance

### Description

Delete a created service instance to free up network resource.

curl Sample:

```
curl -i -H "Content-Type:application/json" -X DELETE -d "{}" "https://accessip:port/rest/servicemanager/v1/services/4Ucfi4T7TMeAj5RjpkJ46Q"
```

### Parameters

Name	Located in	Description	Required	Schema
serviceId	path	Service instance ID	Yes	⇒ string

### Responses

Code	Description	Schema
202	When information is returned normally, Location indicates the URI of the query task. Users can query the URI to obtain the task execution progress.	<pre>deleteServiceRsp {   deleteServiceResponse: deleteServiceResponse {     operation_id: string   } }</pre>

## Delete Service Instance

### ➤ Request Code:

```
DELETE /rest/servicemanager/v1/services/8hiqoNgCSZmrlD1MyROJbg
HTTP/1.1
Host: 218.4.33.207:17100
X-Auth-Token:
  MIIETAYJKoZIhvcNAQcCoIIPTCCBDkCAQExDTALBglghkgBZQMEAgEw
  ggKaBgkqhkiG9w0BBwGgggKLBIICh3siZXhwaXJlc19hdCI6IjIwMTctMD
  QtMjVUMjE6NTE6
Content-Type: application/json
Authorization: Bearer 6a8cbc0e-e93c-4684-9a39-40d085bd657e
Cache-Control: no-cache
Postman-Token: b6040b4a-6ca9-58c2-837d-6f5e7028aa89
```

### ➤ Response Body:

```
{
  "operation_id": "W0x8h0IBQq6GJKmys5i74Q"
}
```

✓ **service\_id**

## Querying CloudVPN traffic

```
GET /cloudvpnwatch/v1/traffic/connections/{connection-name}/{metric}
```

CloudVPNWatch

### Summary

Querying CloudVPN traffic

### Description

Query the traffic rate or bandwidth utilization of a specified private line.

### Parameters

Name	Located in	Description	Required	Schema	
connection-name	path	Indicates the name of a VPN	Yes	⇔ string	✓ CloudVpnName
metric	path	Indicates the traffic rate or bandwidth utilization	Yes	⇔ string	
direction	query	Indicates the query direction:inbound outbound	Yes	⇔ string	
timedim	query	time dimension	Yes	⇔ string	
starttime	query	Indicates the start time (UTC, in second)	Yes	⇔ ▼ integer (int64)	
endtime	query	Indicates the end time (UTC, in second)	Yes	⇔ ▼ integer (int64)	

### Responses

Code	Description	Schema
200	Data obtained successfully	<pre>⇔ MetricResponse {   Return matrix of traffic rate or bandwidth utilization   metric: ▶ResMetricData { } }</pre>

# API Description: CloudVPNWatch APIs

## Querying CloudVPN traffic

### ➤ Request Code:

GET

```
/rest/cloudvpnwatch/v1/traffic/connections/VPNS2S201705061433/traffic-
```

```
rate?starttime=1493367320&endtime=1495058150&timedim=minute&direction=outbound&indicator=max HTTP/1.1
```

Host: 218.4.33.207:17100

X-Auth-Token:

```
MIIEYAYJKoZIhvcNAQcColIEPTCCBDkCAQExDTALBglghkgBZQM  
EAgEwggKaBgkqhkiG9w0BBwGggKLBIICh3siZXhwaXJlc19hdC  
I6ljlwMTctMDQtMjVUMjE6NTE6
```

Authorization: Bearer 6a8cbc0e-e93c-4684-9a39-40d085bd657e

Cache-Control: no-cache

Postman-Token: eca5e1d6-1840-e7e4-bc99-0f35e4d99ee2

✓ **CloudVpnName**

### ➤ Response Body:

Body Cookies Headers (7) Tests Status: 200 OK

Pretty Raw Preview JSON

```
1 {  
2   "metric": {  
3     "datas": [  
4       {  
5         "time": 1494061140,  
6         "value": "22.826666666666667760560160971294862974900752305984497070312500000"  
7       },  
8       {  
9         "time": 1494060540,  
10        "value": "2791180.14666666680042486485026353992822123473160900175571441650390625"  
11      },  
12      {  
13        "time": 1494059940,  
14        "value": "90.38666666666666709981526467432288995951239485293626785278320312500"  
15      },  
16      {  
17        "time": 1494060600,  
18        "value": "35.4266666666666683643740348719219923623313661664724349975585937500"  
19      },  
20      {  
21        "time": 1494060000,  
22        "value": "104.22666666666666716613894733134415560016350354999303817749023437500"  
23      },  
24      {  
25        "time": 1494060660,  
26        "value": "1158060.85333333338882961984633856999948875454720109701156616210937500"  
27      },  
28    ]  
29  }  
30 }
```

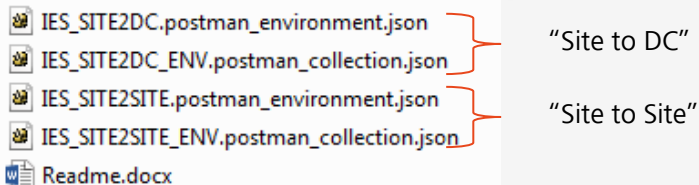
# How to test Huawei CloudOpera IES OpenAPIs?

## Recommend to use Postman to test Huawei CloudOpera IES Open APIs



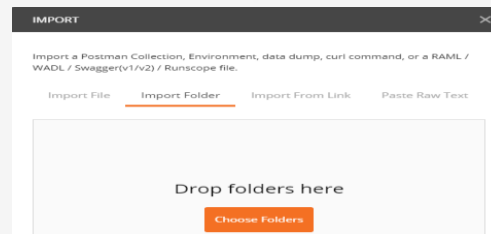
### Step1: Install Postman and import Postman collection

- Extract <Huawei CloudOpera IES OpenAPIs Collection.rar> to the folder of "Huawei CloudOpera IES OpenAPIs Collection", there will be 4 json files

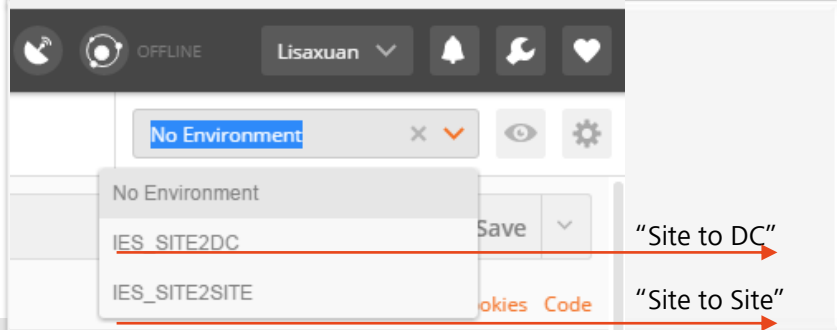


### Step2: Log in Postman and Import the collection

- Choose the collection folder of "Huawei CloudOpera IES OpenAPIs Collection" to import all.

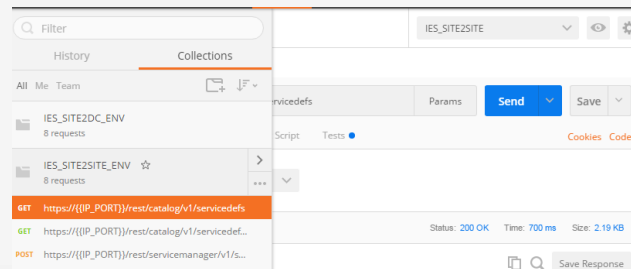


### Step3: Choose and Edit Global Environment variables



### Step4: On Sidebar select API to test

- Select an API and then click "Send" to test



# Sample Data introduction

6 tokens have configured to support the hack. You can choose corresponding parameters of specific token according to your service demand.

User	IES Tenant name	IES Tenant Token	CloudVPN	ServiceID	ServiceName	CloudVpnName	Recommended scenarios
User 1	nbitest_11	MIETAYJKoZihvcNAQcCoIIEPTCCBDkCAQExD TALBgJghkgBZQMEAgEwggKaBgkqhkiG9w0B BwGgggKLBICh3siZXhwaXJlc19hdC16ijlwMTc tMDQtmjVUMJE6NTE6	Site2Site	8h1qoNgCSZmrl D1MyROJbg	s2s_20170506143 3	VPNS2S2017050 61433	Support "Create & activate CloudVPN service" and "Elastically scale CloudVPN network " scenarios
User 2~User 4	nbitest_12	MjguMTM1liwiaXNzdWVhbnVzZjF0Ijo1MjAxNy0w NC0yNFQyMT01MT0yOC4xMzUuLjltZXRob2R zjpuZDVsLj1c2Vyljlp7lmlkjo1Mzg4NzUuLjU YW1lIjo1ZnVqaWFu	Site2DC	9LbuAd11Qe- cuGnVONZ6qw	site2dc_20170507 1132	0S2DC2017050 71132	Support "Elastically scale CloudVPN network " scenarios
User 5~User 7	nbitest_13	ZmVuZy9lClJwcm9qZWNOljp7lmlkjo1Z2xvYm FslwiwibmFTzSI6kRlZmF1bHQgRG9tYWln0sl mRvbWVpbiI6bnVsbCwib2RvbWVpbiI6eyJpZCI 6jAiLjUuYW1l	Site2DC	FLAUUc8NT0qN -mNTM_lcfw	site2dc3_2017050 81840	0S2DC3201705 081840	Support "Elastically scale CloudVPN network " scenarios
User 8~User 11	nbitest_14	Ijo1RGVmYXVsdCBEB21haW4ifSwiZW1haWwi Om51bGwstnRlBGVwaG9uZSI6bnVsbCw1Y2F0 YXVxZy16bnVsbCw1cm95ZXMiOit7lmlkjo1NTg 1NiIs1m5hbWUuOiJn	Site2DC	L8YNdmm4Rg- SJcMnicUQA	site2dc4_2017050 71158	0S2DC4201705 092039	Support "Elastically scale CloudVPN network " scenarios
User 12~User 15	nbitest_15	YXRld2F5LmFwaXMucGF0Y2hPcGVyYXRpb24 ifSx7lmlkjo1NTg4MyIs1m5hbWUuOiJnYXRld2F5 LmFwaXMucGF0Y2hPcGVyYXRpb24 Oii1ODg0liwibmFu	Site2DC	FbqROiHgSyGhZ pzJPXH_BA	site2dc5_2017050 71256	0S2DC5201705 071256	Support "Elastically scale CloudVPN network " scenarios
User 16	nbitest_16	ZSI6ImdhdGV3YXkuYXBPcy5kZWxldGVpcGVy YXRpb24ifSx7lmlkjo1NTg4NSIs1m5hbWUuOiJn YXRld2F5LmFwaXMucGF0Y2V0T3BlcmF0aW9uIn0 seyJpZCI6IjU4ODYi	Site2DC	BkLfG5bKQXybr 0kkj8MQTQ	site2dc6_2017050 71300	0S2DC6201705 071300	Support "Create & activate CloudVPN service" and "Elastically scale CloudVPN network " scenarios

**Thank you**  
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