

# 某局点ADDC5.3方案通过vpn实例名称查找对应租户的经典案例

ADDC解决方案 秦昌云 2023-11-02 发表

## 问题描述

ADDC5.3方案，现场设备查到某vpn多了一条路由，当前只有vpn实例名称信息，需要找到控制器上对应租户和对应的虚拟路由器。现场有40个租户，每个租户有较多虚拟路由器，逐一查找不便。

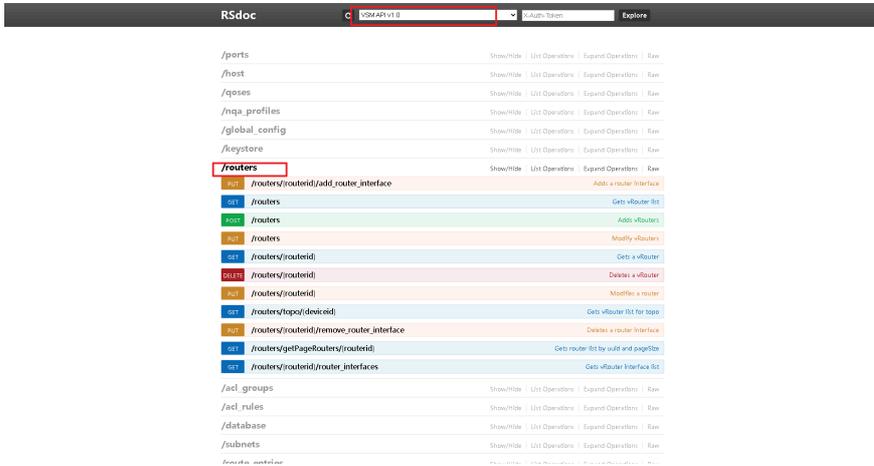
如果是DC6.0方案，可以通过所有租户的网络页面查找：



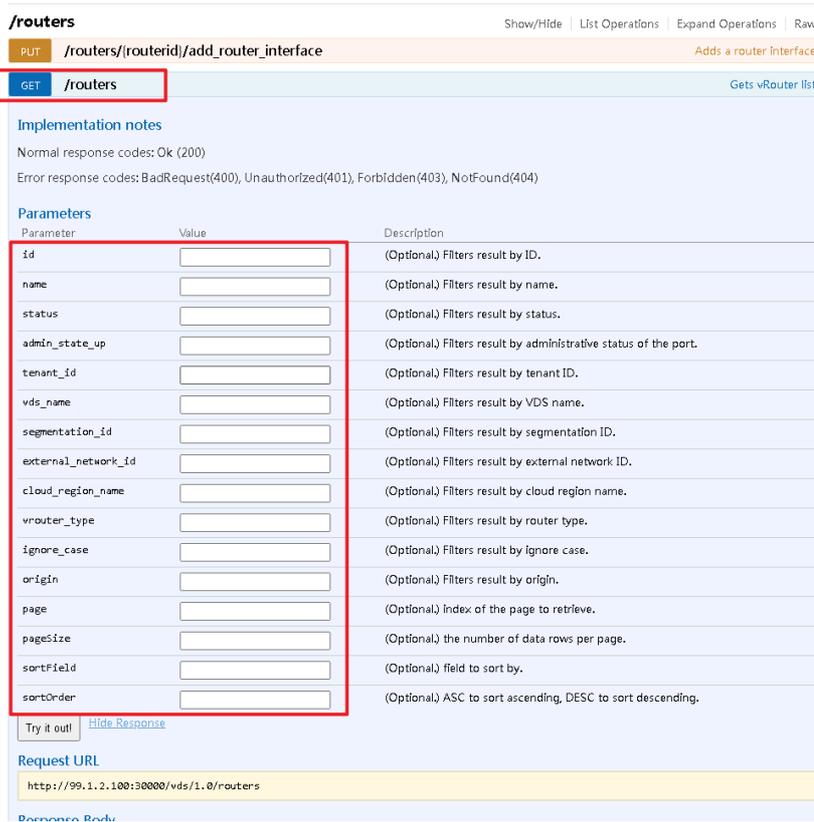
## 过程分析

由于DC5.3 E36xx版本控制器无所有租户的网络页签，可以根据如下方式快速对应。

1. 登录控制器的API页面（<https://x.x.x.x:10443/api>或者<http://x.x.x.x:10080/api>，x.x.x.x为SNA Center的北向虚IP），选择“VSM API v1.0”分类，然后点击 Explore 。



2. 选择routers项目，点击“GET /routers”，API界面直接如下入所示的方式搜索虚拟路由器，但没有基于VPN实例名称搜索的功能。



3. 此时不输入任何过滤信息，直接点击Try it out!，将所有的虚拟路由器信息全部搜索出来。

按照上述方式搜索即可

Try it out!

Request URL

```
http://99.1.2.100:30000/vds/1.0/routers
```

Response Body

```
{
  "routers": [
    {
      "subnet_id": null,
      "port_id": null,
      "id": "39221935-d488-49ef-863d-61e1bb1f0fe7",
      "tenant_id": "2ff96342-ad0e-4c19-acc9-40b53b5c017e",
      "name": "test",
      "status": "ACTIVE",
      "admin_state_up": false,
      "vds_name": "vDsl",
      "subnets": [
        {
          "router_id": "39221935-d488-49ef-863d-61e1bb1f0fe7",
          "subnet_id": "4f78b08a-3329-4fee-8413-cfe5ae180ce",
          "name": "192.168.1.0",
          "cidr": "192.168.1.0/24",
          "gateway_ip": "192.168.1.1",
          "network": "test2",
          "external": false,
          "port_id": "f76d0066-4bb4-408d-8003-7cf36197f13d",
          "direct_external": null,
          "ip_version": 4
        }
      ],
      "routes": [],
      "is_bridged": true,
      "cigrs": [],
      "origin": null,
      "router_interface": "40xg",
      "subnet_ids": null,
      "external_gateway_info": [],
      "tags": [],
      "provider_domain": "ffffffff-0000-0000-000000000000"
    }
  ]
}
```

Response Code

```
200
```

Response Headers

```
cache-control: no-cache, no-store, must-revalidate, private
connection: keep-alive
content-type: application/json
date: Thu, 02 Nov 2023 04:09:23 GMT
expires: Thu, 02 Nov 2023 04:09:23 GMT
kong-default-headers: {}
kong-generator: 1
kong-operator-groups: 1
kong-operator-groups: 1
kong-region-id: 0
kong-tenant-id: abd2d9f6-36d9-45b8-b7e3-7a793b3a6f2c
kong-user-id: 1
```

4. 将回显结果复制到文本或txt中搜索。

```
287      {
288        "network_id": "1109f22f-b797-4b19-a50d-12f023e2819d",
289        "enable_snat": false,
290        "port_id": "b8e06fe3-89f7-4bea-8eb2-482b35709054",
291        "external_fixed_ips": [
292          {
293            "ip": "104.130.1.1",
294            "subnet_id": "c2437a95-1113-4e6a-bfb8-8ff5f3d924a5"
295          }
296        ]
297      },
298      "tags": [],
299      "provider_domain": "ffffffff-0000-0000-000000000001",
300      "provider_vpn_instance_name": "418281datg8ou9e44mu2isqp31",
301      "disable_internal_l3_flow_offload": false,
302      "import_default_routes": false,
303      "import_static_routes": false,
304      "import_expn_mac_ip": false,
305      "import_id_direct_routes": false,
306      "provider_segmentation_id": 11001,
307      "auto_allocate_segmentation_id": false,
308      "bgp_peers": [],
309      "ecmp_number": null,
310      "aggregate_cidrs": [],
311      "route_table_id": null,
312      "tenant_name": "A-公共使用",
313      "direct_external": false,
314      "gateway_list": [
315        "c3be8548-b373-4793-8002-3761c1720db9"
316      ]
317    }
318  ]
319 }
320 }
321 }
```

ind result - 1 hit

Search "418281datg8ou9e44mu2isqp31" (1 hit in 1 file)

new 1 (1 hit)

```
Line 301:      "provider_vpn_instance_name": "418281datg8ou9e44mu2isqp31",
```

