

组网及说明

现场终端到BRAS设备即SR8808-X设备，终端到路由器跨了三层网络，并且在SR8808-X上终端流量的入接口上起了三层的portal认证。

问题描述

现场8808-X上起了3层的portal认证，目前portal认证过程正常，但是idle-cut参数对于部分终端上线后未授权给用户，导致用户始终无法idle-cut下线，部分终端有被授权idle-cut参数的是能正常idle-cut下线的。

以下面两个认证用户为例：

用户Username: 201263502117@ytu未被授权idle-cut参数：

Basic:

Current IP address: 10.10.1.90
Original IP address: 10.10.1.90
Username: 201263502117@ytu
User ID: 0x18003e8c
Acct-Session-ID: 00000007201903121909510006f3bd2080100475

Access interface: Route-Aggregation1.10

Service-VLAN/Customer-VLAN: 10/-
MAC address: 0000-0000-0000
Domain name: ytu
VPN instance: N/A
Status: Online
Portal server: srun
Portal authentication method: Layer3

AAA:

Realtime accounting interval: 720s, retry times: 5

Idle cut: N/A //idle-cut参数未被授权

Session duration: N/A, remaining: N/A
Remaining traffic: N/A
Login time: 2019-03-12 19:09:51 UTC
Online time: 302:47:56
Accounting-start fail action: Online
Accounting-update fail action: Online
Accounting quota-out action: Offline
DHCP IP pool: N/A

ACL&QoS&Multicast:

Inbound CAR: N/A
Outbound CAR: N/A
Inbound priority: N/A
Outbound priority: N/A
ACL number: N/A
User profile: N/A
Session group profile: N/A
Max multicast addresses: 4
User group: N/A

Flow statistic:

Uplink packets/bytes: 252801/23069353
Downlink packets/bytes: 133346/153905939

用户 Username: 201763503225@ytu有被授权idle-cut参数：

Basic:

Current IP address: 10.10.1.24
Original IP address: 10.10.1.24
Username: 201763503225@ytu
User ID: 0x180033e0
Acct-Session-ID: 0000000720190325094251000746812080100475

Access interface: Route-Aggregation1.10

Service-VLAN/Customer-VLAN: 10/-

MAC address: 0000-0000-0000
Domain name: ytu
VPN instance: N/A
Status: Online
Portal server: srwn
Portal authentication method: Layer3

AAA:

Realtime accounting interval: 720s, retry times: 5

Idle cut: 7200 sec, 20480 bytes, direction: Both //idle-cut参数授权成功

Session duration: N/A, remaining: N/A

Remaining traffic: N/A

Login time: 2019-03-25 09:42:50 UTC

Online time: 00:14:57

Accounting-start fail action: Online

Accounting-update fail action: Online

Accounting quota-out action: Offline

DHCP IP pool: N/A

ACL&QoS&Multicast:

Inbound CAR: N/A

Outbound CAR: N/A

Inbound priority: N/A

Outbound priority: N/A

ACL number: N/A

User profile: N/A

Session group profile: N/A

Max multicast addresses: 4

User group: N/A

Flow statistic:

Uplink packets/bytes: 5041/671922

Downlink packets/bytes: 3638/3852587

过程分析

(1) 首先检查配置，配置无误：

在子接口上起了portal认证：

```
interface Route-Aggregation1.10
ip address 10.10.1.254 255.255.255.0
vlan-type dot1q vid 10
portal enable method layer3
portal bas-ip 192.168.11.10
portal apply web-server srwn
```

(2) 检查设备上认证域的参数生效情况如下：

现场客户登陆认证使用的认证域为ytu，Domain域参数上看是使能了idle-cut参数的：

#

```
domain name ytu
authorization-attribute idle-cut 120 20480
authentication portal radius-scheme srwn
authorization portal radius-scheme srwn
accounting portal radius-scheme srwn
```

#

```
<SR8808-X>dis domain ytu
```

```
Domain: ytu
Current state: Active
State configuration: Active
```

.....

Authorization attributes:

Idle cut: Enabled //idle-cut参数生效中

Idle timeout: 120 minutes

Flow: 20480 bytes

Traffic direction: Both

根据现场情况分析，并未发现设备当前有什么问题，此时问题陷入了僵局，后来现场工程师进行了测试：

(1) 新地址认证可以下发idle-cut参数

(2) 没有下发idle-cut参数的用户踢掉后重新认证可以下发idle-cut参数

根据现场测试情况发现，我们设备目前认证过程中idle-cut参数下发正常。后续工程师和现场客户确认，现场的idle-cut参数为后期加入的，前期并没有该参数。并且，未正常下发idle-cut参数的用均为设备上添加idle-cut参数前，已经进行认证上线的用户。

解决方法

后续和产品线工程师确认：认证属性均由服务器和设备下发，认证之后再下发的idle-cut自然无效，因此，idle-cut参数需认证前配置才能下发给新认证上线的用户。