



# 某局点 SR8804-X IPOE WEB认证无感知不生效

Radius

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组网及说明

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#### 问题描述

现场一台SR8804-X作为BRAS设备，提供IPOE WEB认证，服务器是城市热点，认证没有问题，后续想实现无感知时发现根据官网配置完成后，终端无法无感知上线。

## 过程分析

在用户第二次上线时收集debug，首先看到发起MAC绑定查询报文

\*Feb 15 09:48:09:668 2022 BRAS\_SR88X PORTAL/7/EVENT: -MDC=1; MAC-trigger: Received new MAC event, interface=Route-Aggregation3.68, MAC=70b5-e834-8b80, IP=10.61.64.68, ifIndexL2=0, vlan=68.

\*Feb 15 09:48:09:668 2022 BRAS\_SR88X PORTAL/7/EVENT: -MDC=1; MAC-trigger: Received MAC overflow event, MAC=70b5-e834-8b80.

\*Feb 15 09:48:09:669 2022 BRAS\_SR88X PORTAL/7/PACKET: -MDC=1;

Portal sent 42 bytes of packet: **Type=req\_macbind\_info(48)**, ErrCode=0, IP=10.61.64.68

\*Feb 15 09:48:09:669 2022 BRAS\_SR88X PORTAL/7/PACKET: -MDC=1;

[ 11 SESSIONID ][ 8] [70b5-e834-8b80]

[ 10 BASIP ][ 6] [10.50.2.1]

[ 48 NASID ][ 12] [BRAS\_SR88X]

\*Feb 15 09:48:09:669 2022 BRAS\_SR88X PORTAL/7/PACKET: -MDC=1;

01 30 00 00 f5 82 00 00 0a 3d 40 44 00 00 00 03

0b 08 70 b5 e8 34 8b 80 0a 06 0a 32 02 01 30 0c

42 52 41 53 5f 53 52 38 38 58

绑定状态变为WAIT

\*Feb 15 09:48:09:669 2022 BRAS\_SR88X PORTAL/7/EVENT: -MDC=1; MAC-trigger: MAC entry(70b5-e834-8b80) state changed from **DEFAULT to WAIT**.

由于后续没有收到回复，计时器第一次超时超时

\*Feb 15 09:48:11:154 2022 BRAS\_SR88X PORTAL/7/EVENT: -MDC=1; MAC-trigger: BindSearchTimer timed out. Resent the REQ-MAC-BIND packet. MAC entry(70b5-e834-8b80) retry times reached 1.(Max retries=3, retry interval=1 s)

再次发送查询报文

\*Feb 15 09:48:11:154 2022 BRAS\_SR88X PORTAL/7/PACKET: -MDC=1;

Portal sent 42 bytes of packet: **Type=req\_macbind\_info(48)**, ErrCode=0, IP=10.61.64.68

\*Feb 15 09:48:11:155 2022 BRAS\_SR88X PORTAL/7/PACKET: -MDC=1;

[ 11 SESSIONID ][ 8] [70b5-e834-8b80]

[ 10 BASIP ][ 6] [10.50.2.1]

[ 48 NASID ][ 12] [BRAS\_SR88X]

\*Feb 15 09:48:11:155 2022 BRAS\_SR88X PORTAL/7/PACKET: -MDC=1;

01 30 00 00 f5 82 00 00 0a 3d 40 44 00 00 00 03

0b 08 70 b5 e8 34 8b 80 0a 06 0a 32 02 01 30 0c

42 52 41 53 5f 53 52 38 38 58

查询报文仍然没有收到回复，绑定计时器第二次超时

\*Feb 15 09:48:12:154 2022 BRAS\_SR88X PORTAL/7/EVENT: -MDC=1; MAC-trigger: BindSearchTimer timed out. Resent the REQ-MAC-BIND packet. MAC entry(70b5-e834-8b80) retry times reached 2.(Max retries=3, retry interval=1 s)

第三次发送查询报文

\*Feb 15 09:48:12:154 2022 BRAS\_SR88X PORTAL/7/PACKET: -MDC=1;

Portal sent 42 bytes of packet: **Type=req\_macbind\_info(48)**, ErrCode=0, IP=10.61.64.68

\*Feb 15 09:48:12:155 2022 BRAS\_SR88X PORTAL/7/PACKET: -MDC=1;

[ 11 SESSIONID ][ 8] [70b5-e834-8b80]

[ 10 BASIP ][ 6] [10.50.2.1]

[ 48 NASID ][ 12] [BRAS\_SR88X]

\*Feb 15 09:48:10:156 2022 BRAS\_SR88X PORTAL/7/PACKET: -MDC=1;

01 30 00 00 a2 f7 00 00 0a 42 40 65 00 00 00 03

0b 08 9c f6 dd ba 9a b4 0a 06 0a 32 02 01 30 0c

42 52 41 53 5f 53 52 38 38 58

第三次超时后，用户无感知上线失败，绑定状态变为NOBIND，将绑定结果发送给IPOE

\*Feb 15 09:48:13:155 2022 BRAS\_SR88X PORTAL/7/EVENT: -MDC=1; MAC-trigger: BindSearchTi

mer timed out. MAC entry(70b5-e834-8b80) reached the max retry times. Deleted timer

\*Feb 15 09:48:13:156 2022 BRAS\_SR88X PORTAL/7/EVENT: -MDC=1; MAC-trigger: MAC entry(70b5-e834-8b80) state changed from **WAIT** to **NOBIND**.

后联系服务器确认是否支持BRAS告警模式的无感知/后改为mdu认证方式-修改完成后测试用户无感知上线正常

从debug信息来看，设备发送查询报文后，没有收到回复，导致用户无感知上线失败。所以建议现场联系服务器侧确认是否有收到MAC绑定查询报文。

