

# 知 某局点802.1x开局无线终端认证失败

802.1X 王伟栋 2023-12-04 发表

## 组网及说明

设备WX2580X，版本R5616，开局做802.1x认证。

## 问题描述

开局做1x认证。服务器为第三方服务器，终端采用1x客户端登录。点击登录后，长时间无反应，提示登录失败。



## 过程分析

检查AC配置，无任何问题，通过抓取两边的radius报文，发现AC发送了request报文，服务器回复了challenge报文，AC没有再发起请求。

No.	Time	Source	Destination	Protocol Info
428	85.771820000	10.129.252.253	172.27.246.79	RADIUS Access-Request(1) (id=89, l=408)
429	85.819644000	172.27.246.79	10.129.252.253	RADIUS Access-challenge(1) (id=89, l=64)
466	88.827744000	10.129.252.253	172.27.246.79	RADIUS Access-Request(1) (id=89, l=408) Duplicate Request ID:89
467	88.861711000	172.27.246.79	10.129.252.253	RADIUS Access-challenge(1) (id=89, l=64)
481	91.827430000	10.129.252.253	172.27.246.79	RADIUS Access-Request(1) (id=89, l=408)
483	91.867540000	172.27.246.79	10.129.252.253	RADIUS Access-challenge(1) (id=89, l=64)
750	147.600506000	10.129.252.253	172.27.246.79	RADIUS Access-Request(1) (id=133, l=408)
751	147.642940000	172.27.246.79	10.129.252.253	RADIUS Access-challenge(1) (id=133, l=64)
762	150.828406000	10.129.252.253	172.27.246.79	RADIUS Access-Request(1) (id=133, l=408) Duplicate Request ID:133
763	150.865555000	172.27.246.79	10.129.252.253	RADIUS Access-challenge(1) (id=133, l=64)
775	153.827878000	10.129.252.253	172.27.246.79	RADIUS Access-Request(1) (id=133, l=408)
776	153.867493000	172.27.246.79	10.129.252.253	RADIUS Access-challenge(1) (id=133, l=64)
800	156.741099000	10.129.252.253	172.27.246.79	RADIUS Access-Request(1) (id=134, l=408)
801	156.784878000	172.27.246.79	10.129.252.253	RADIUS Access-challenge(1) (id=134, l=64)
810	159.828370000	10.129.252.253	172.27.246.79	RADIUS Access-Request(1) (id=134, l=408) Duplicate Request ID:134
811	159.866125000	172.27.246.79	10.129.252.253	RADIUS Access-challenge(1) (id=134, l=64)
825	162.828615000	10.129.252.253	172.27.246.79	RADIUS Access-Request(1) (id=134, l=408)
826	162.861417000	172.27.246.79	10.129.252.253	RADIUS Access-challenge(1) (id=134, l=64)

继续在AC上debug radius，发现存在如下错误

The response packet has an invalid Response Authenticator value.

提示报文无效，怀疑设备和服务器radius密钥不一致。多次确认后，发现密钥一致。通过第三方服务器排查组件，系服务器故障导致。

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Received reply packet successfully, src-IP: 172.27.246.79, code: 11, length: 64.
*Dec 1 17:48:40:234 2023 BG-AC-19#-2F-DC-WX2580X-10.129.252.253 RADIUS/7/EVENT:
Found request context destIP: 172.27.246.79, destPort: 4812, vMm Instance: (public), socketFd: 211, pktID: 131.
*Dec 1 17:48:40:234 2023 BG-AC-19#-2F-DC-WX2580X-10.129.252.253 RADIUS/7/ERROR:
The response packet has an invalid Response Authenticator value.
*Dec 1 17:48:40:234 2023 BG-AC-19#-2F-DC-WX2580X-10.129.252.253 RADIUS/7/ERROR:
The reply packet is invalid.
*Dec 1 17:40:40:130 2023 BG-AC-19#-2F-DC-WX2580X-10.129.252.253 RADIUS/7/EVENT:
Response timed out.
*Dec 1 17:48:43:196 2023 BG-AC-19#-2F-DC-WX2580X-10.129.252.253 RADIUS/7/EVENT:
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## 解决方法

服务器侧修改。