Android8.1 MiWifiScanTestTools(IperfTools)标准操作流程

一 准备工作:

1) 客户端/服务端 iperf 版本一致:

案例:客户端用3.1.3,服务端用2.06不能用,MiWifiScanTestTools集成iperf版本为2.06,压缩包提供iperf版本2.06,需要请下载,使用前先确认。

2) Client 端与 Server 端同一网段:

```
user@user-OptiPlex-7040:~/matrixs ifconfigeth Link encap:以太网 硬件地址 48:4d:7e:a4:a5:d5 inet 地址:10.235.170.255 广播:10.235.170.255 掩码:255.255.255.0 inet6 地址:fe80::4a4d:7eff:fea4:a5d5/64 Scope:Link UP BROADCAST RUNNING MULTICAST MTU:1500 跃点数:1 接收数据包:7360836 错误:0 丢弃:0 过载:0 帧数:0 发送数据包:2106158 错误:0 丢弃:0 过载:0 帧数:0 接收字节:7562576627 (7.5 GB) 发送字节:494350061 (494.3 MB)中断:19 Memory:f7000000-f7020000

lo Link encap:本地环回 inet 地址:127.0.0.1 掩码:255.0.0.0 inet6 地址:127.0.0.1 掩码:255.0.0.0 inet6 地址:127.0.0.1 接码:255.0.0.0 近年6 地址:17/128 Scope:Host UP LOOPBACK RUNNING MTU:65536 跃点数:1 接收数据包:4869232 错误:0 丢弃:0 过载:0 帧数:0 发送数据包:4869232 错误:0 丢弃:0 过载:0 帧数:0 发送数据包:4869232 错误:0 丢弃:0 过载:0 载波:0 碰撞:0 发送队列长度:0 接收字节:6198935922 (6.1 GB)
```

例如: PC 端 IPAddress

例如:设备端 IPAddress

关闭 SELinux:设备为可以 root 的 debug 版本:



dangalUHD:/ # setenforce 0 dangalUHD:/ # getenforce Permissive

图: 修改并查看结果

二 开始测试:

4) 启动 Server 端

安装并启动 MiWifiScanTestTools 工具,底部提示展示完毕,点击界面"生效参数"确认:UI 界面弹出"己生效,请等待 60 秒后秒后 iperf 端显示结果"

目的:保证 MiWifScanTestTools iperf server 启动成功

5) 启动 Client 端

注意: -c 参数后为 Server 端 IP Address

```
user@user-OptiPlex-7040:~/matrix$ iperf -c 10.235.222.168 -i 1 -t 60

Client connecting to 10.235.222.168 TCP port 5001

TCP window size: 45.0 KByte (default)

[ 3] local 10.235.170.225 port 43926 connected with 10.235.222.168 port 5001
```

图: 输入 Client 端测试命令

三 测试结果

6) Client 查看测试结果

```
Client connecting to 10.235.222.168, TCP port 5001
TCP window size: 45.0 KByte (default)
......
 3] local 10.235.170.225 port 43926 connected with 10.235.222.168 port 5001
 ID] Interval Transfer Bandwidth
                    384 KBytes 3.15 Mbits/sec
  3] 0.0- 1.0 sec
      1.0- 2.0 sec
                    128 KBytes 1.05 Mbits/sec
  3]
  31
      2.0- 3.0 sec 0.00 Bytes 0.00 bits/sec
      3.0- 4.0 sec
                    128 KBytes 1.05 Mbits/sec
  3]
      4.0- 5.0 sec 0.00 Bytes 0.00 bits/sec
  3]
      5.0- 6.0 sec
                     128 KBytes 1.05 Mbits/sec
  3]
  3]
      6.0- 7.0 sec 0.00 Bytes 0.00 bits/sec
                     256 KBytes 2.10 Mbits/sec
      7.0- 8.0 sec
      8.0- 9.0 sec 0.00 Bytes 0.00 bits/sec
  3]
      9.0-10.0 sec 0.00 Bytes 0.00 bits/sec
  3]
  3] 10.0-11.0 sec 0.00 Bytes 0.00 bits/sec
                    256 KBytes 2.10 Mbits/sec
  3] 11.0-12.0 sec
  3] 12.0-13.0 sec 0.00 Bytes 0.00 bits/sec
  3] 13.0-14.0 sec 0.00 Bytes 0.00 bits/sec
  3] 14.0-15.0 sec
                    384 KBytes 3.15 Mbits/sec
  3] 15.0-16.0 sec 0.00 Bytes 0.00 bits/sec
  3] 16.0-17.0 sec 0.00 Bytes 0.00 bits/sec 3] 17.0-18.0 sec 0.00 Bytes 0.00 bits/sec 3] 18.0-19.0 sec 0.00 Bytes 0.00 bits/sec 3] 19.0-20.0 sec 0.00 Bytes 0.00 bits/sec
                    256 KBytes 2.10 Mbits/sec
  3] 20.0-21.0 sec
  3] 21.0-22.0 sec 0.00 Bytes 0.00 bits/sec
  3] 22.0-23.0 sec 0.00 Bytes 0.00 bits/sec
  3] 23.0-24.0 sec 0.00 Bytes 0.00 bits/sec
  3] 24.0-25.0 sec 0.00 Bytes 0.00 bits/sec
  3] 25.0-26.0 sec
                    384 KBytes 3.15 Mbits/sec
  3] 26.0-27.0 sec 0.00 Bytes 0.00 bits/sec
  3] 27.0-28.0 sec 0.00 Bytes 0.00 bits/sec
     28.0-29.0 sec 0.00 Bytes 0.00 bits/sec 29.0-30.0 sec 0.00 Bytes 0.00 bits/sec
  3]
                    0.00 Bytes 0.00 bits/sec
     30.0-31.0 sec
     31.0-32.0 sec 0.00 Bytes 0.00 bits/sec
  3]
  3] 32.0-33.0 sec 0.00 Bytes 0.00 bits/sec
  3] 33.0-34.0 sec
                    256 KBytes 2.10 Mbits/sec
  3] 34.0-35.0 sec 0.00 Bytes 0.00 bits/sec
  3] 35.0-36.0 sec 0.00 Bytes 0.00 bits/sec
  3] 36.0-37.0 sec 0.00 Bytes 0.00 bits/sec
  3] 37.0-38.0 sec 0.00 Bytes 0.00 bits/sec
  3] 38.0-39.0 sec 0.00 Bytes 0.00 bits/sec
  3] 39.0-40.0 sec 0.00 Bytes 0.00 bits/sec
     40.0-41.0 sec 384 KBytes 3.15 Mbits/sec
```

四 常见问题

7) 报"connect failed: No route to host"可能原因如下

1:client 端与 server 端不在同一网段 2:客户端和服务端 iperf 版本不一致 3:网络环境太差