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:

例如: PC 端 IPAddress

例如: 设备端 IPAddress

3)   关闭 SELinux:设备为可以 root 的 debug 版本:

图:查看命令和结果

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"已生效,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
[  3]  0.0- 1.0 sec   384 KBytes  3.15 Mbits/sec
[  3]  1.0- 2.0 sec   128 KBytes  1.05 Mbits/sec
[  3]  2.0- 3.0 sec  0.00 Bytes  0.00 bits/sec
[  3]  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]  6.0- 7.0 sec  0.00 Bytes  0.00 bits/sec
[  3]  7.0- 8.0 sec   256 KBytes  2.10 Mbits/sec
[  3]  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] 10.0-11.0 sec  0.00 Bytes  0.00 bits/sec
[  3] 11.0-12.0 sec   256 KBytes  2.10 Mbits/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
[  3] 20.0-21.0 sec   256 KBytes  2.10 Mbits/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
[  3] 28.0-29.0 sec  0.00 Bytes  0.00 bits/sec
[  3] 29.0-30.0 sec  0.00 Bytes  0.00 bits/sec
[  3] 30.0-31.0 sec  0.00 Bytes  0.00 bits/sec
[  3] 31.0-32.0 sec  0.00 Bytes  0.00 bits/sec
[  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
[  3] 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