

# 某局点无线桥接打流测速低问题处理经验案例

wlan接入 李庆 2020-06-23 发表

## 组网及说明



AP1和AP2瘦胖桥接，PC1和PC2分别有线连接交换机SW1和SW2，打流测速。

## 问题描述

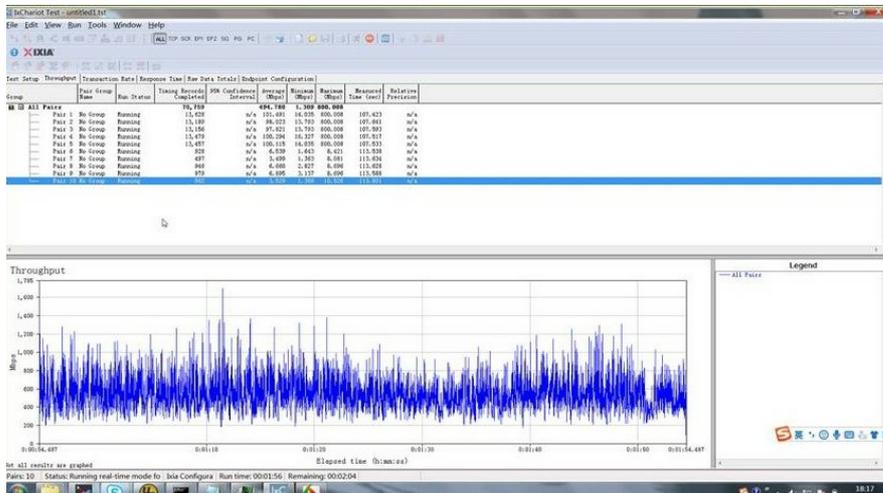
客户两台PC直连交换机使用IxChariot打流测试可以达到700M-800M，但通过AP桥接后打流测试只能测到210M,无法满足要求的350M。

## 过程分析

- 1、检查配置，两边AP的radio1口均设置了80MHz的频宽，36信道；
- 2、查看ap空口正常，mesh链路信号强度良好；

```
=====display ar5drv 1 channelbusy=====
ChannelBusy information
Ctl Channel: 36 Channel Band:80M
Center Freq: 42
Record Interval(s): 9
Date/Month/Year: 17/06/2020
Time(h/m/s): CtlBusy(%) TxBusy(%) RxBusy(%) ExtBusy(%)
01 13:54:45 3 1 0 0
02 13:54:36 3 1 0 0
03 13:54:27 3 1 1 0
04 13:54:18 3 1 0 0
05 13:54:09 3 1 0 0
06 13:54:00 3 1 1 0
07 13:53:51 3 1 0 0
08 13:53:42 3 1 0 0
09 13:53:33 3 1 0 0
10 13:53:24 3 1 1 0
```

- 3、在胖ap上开启快速转发如下，打流测试可以提高到260M,但是仍然无法满足要求；  
# wlan option fast-forwarding level 2
- 4、反观两台PC直连交换机打流只能到700-800M，与经验值相比较低，怀疑是终端性能问题，所以尝试双向打流测试，发现PC2打PC1速率更低



所以判断是终端网卡性能问题。

## 解决方法

更换性能好的笔记本进行打流测试，测试结果366M，能满足客户要求，非设备问题。

Test Setup		Throughput	Transaction Rate	Response Time	Raw Data Totals	Endpoint Configuration				
Group	Pair Group Name	Run Status	Timing Records Completed	95% Confidence Interval	Average (Mbps)	Minimum (Mbps)	Maximum (Mbps)	Measured Time (sec)	Relative Precision	
<input checked="" type="checkbox"/>	All Pairs		54,914		366.108	1.113	133.336			
<input type="checkbox"/>	Pair 1 No Group	Finished: Warning(s)	5,503	-0.314 ± +0.314	39.909	2.447	80.001	117.180	0.836	
<input type="checkbox"/>	Pair 2 No Group	Finished: Warning(s)	5,612	-0.168 ± +0.168	38.329	11.288	88.890	117.134	0.430	
<input type="checkbox"/>	Pair 3 No Group	Finished: Warning(s)	5,600	-0.173 ± +0.173	38.235	11.594	80.001	117.170	0.453	
<input type="checkbox"/>	Pair 4 No Group	Finished: Warning(s)	5,411	-0.318 ± +0.318	36.959	2.439	133.335	117.126	0.860	
<input type="checkbox"/>	Pair 5 No Group	Finished: Warning(s)	5,460	-0.254 ± +0.254	37.276	2.477	80.001	117.185	0.757	
<input type="checkbox"/>	Pair 15 No Group	Finished: Warning(s)	5,462	-0.500 ± +0.500	37.204	1.280	88.890	117.137	1.341	
<input type="checkbox"/>	Pair 16 No Group	Finished: Warning(s)	5,227	-0.484 ± +0.484	35.657	1.280	80.001	117.275	1.357	
<input type="checkbox"/>	Pair 17 No Group	Finished: Warning(s)	5,373	-0.296 ± +0.296	38.567	2.116	72.728	117.120	0.778	
<input type="checkbox"/>	Pair 18 No Group	Finished: Warning(s)	5,562	-0.195 ± +0.195	38.005	11.594	88.890	117.080	0.514	
<input type="checkbox"/>	Pair 19 No Group	Finished: Warning(s)	5,004	-0.546 ± +0.546	37.619	1.113	88.890	117.049	1.452	