

A Method to Simulate A Large Number of AP Upline

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Abstract—As such a convenient data transmission system, Wireless Local Area Networks(WLANs) using radio frequency technology, replacing the old architecture of twisted copper pairs, shunting a 2G/3G data flow and helping to build a 2G comprehensive coverage and 3G hotspot coverage with three characteristics of “high bandwidth”, “IP-based” and “mobility”, has played an increasingly important role in our life. Wireless Access Controller (AC) is an essential part in WLANs based on fit AP(Access Point) network mode. However, long term stable operation of AC is always a big problem haunting us. And how much pressure AC can bear is considered to be a key point of its stability performance. In this paper, a method simulating a large number of virtual AP upline instead of physical AP is put forward to provide sufficient pressure to AC, in order to guarantee the stability of AC and improve testing efficiency.

Keyword—WLAN, AC, multi thread, CAPWAP, raw socket



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