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Ok-Gladiator-4924



Software vs hardware flow offloading

Hi. I am new to openwrt and today installed it on my archer c6. Everything is working well, however, I noticed CPU to be going near 100% utilization when I am watching HDR content (I am using htop to monitor cpu usage)

I recently came across the software and hardware flow offloading options in firewall, but I am not sure what purpose do they serve.

Would enabling any one of them lessen the toll on my cpu?

Thanks.



3



4



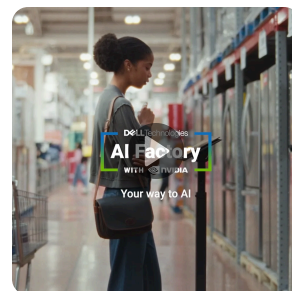
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Yup, enable both if you don't use SQM



5



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Vegeta9001 • 1y ago

Do you know if hardware flow offloading works with Archer C7 V2/V5? I see the option to enable it, but I don't know if the hardware actually supports it. I'm finding conflicting info, older posts say that it's only supported for MT7621 devices.



1



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It will bypass a lot of the network stack so it can't work with SQM. Software flow offloading works on all hardware and will give you a lot more performance if you're CPU limited though. Hardware flow offloading only works on some hardware not all but if yours is supported yes enable both.

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Flow Offloading vs Network Monitoring

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Flow Offloading is faster - but will SQM still manage bandwidth better?

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SQM QoS + flow offloading

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How to check if Router supports Hardware flow offloading before flashing OpenWRT to it.

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Should I enable flow offloading?

1 upvote · 13 comments

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How to enable Hardware Offloading on Totolink X5000R(MT7621)?

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What's the current state of NAT offloading on a TP Link 3600 with OpenWrt 22.x?

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Routing/NAT Offloading in 22.03rc3

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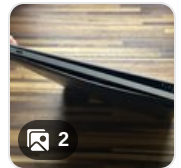
TP-Link Archer C7 v2 + OpenWRT: NAT, SQM, Offloading Benchmarks

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Couldn't get Ethernet to work, I think I found the problem.



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