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Traffic from individual IP addresses

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Traffic from individual IP addresses

📄 by **Hellfire** » October 2nd, 2019, 2:00 pm

Hi,

Is it somehow possible to monitor the traffic of individual IP addresses, permanently? I am currently assembling a dashboard that shows me important data from IPFire.

I'm pretty far on that, and I can also use SNMP to tap the traffic of the individual network interfaces and display them graphically.
Now I don't have the possibility to monitor the traffic on the IP level for all IP addresses that hit the IPFire.

Of course, there shouldn't be anything graphical in the console now, but rather I thought of a command whose output I could parse.
Is there anything like that?I don't think an Ala Tshark parcel sniffer is very effective because it is too oversized and it may also put too much strain on the system.

Michael

Hellfire

Posts: 697
Joined: November 8th, 2015, 8:54 am

IPFire 2.25 - Core Update 153 on x86_64
AMD GX-412TC SOC @ 924MHz x2 - 4GB

Re: Traffic from single IP addresses

by **RadioCarbon** » October 2nd, 2019, 7:10 pm

Back then I wrote the add-on "IPTraffic" for IPCop. There I used
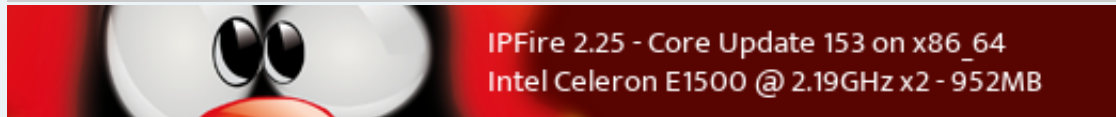
> **"**
> iptables -nvx -L

to determine the data.

I actually wanted to port IP traffic to ipfire, but haven't gotten around to it yet.

IPFire 2.25 - Core Update 153 on x86_64
Intel Celeron E1500 @ 2.19GHz x2 - 952MB

RadioCarbon

Posts: 17th
Joined: February 23rd, 2017, 7:39 am

Re: Traffic from single IP addresses

by **Hellfire** » October 2nd, 2019, 7:58 pm

Well then let's go to the keys 😁

IPFire 2.25 - Core Update 153 on x86_64
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Hellfire

Posts: 697
Joined: November 8th, 2015, 8:54 am

Re: Traffic from single IP addresses

by **Hellfire** » October 7th, 2019, 5:52 pm

Hellfire

Posts: 697
Joined: November 8th, 2015, 8:54

> **❝ RadioCarbon** wrote: ↑   October 2nd, 2019, 7:10 pm
>
> Back then I wrote the add-on "IPTraffic" for IPCop.

I wanted to look at the mark, but couldn't find it anywhere. Was it a script or did the add-on intervene deeper in the system, I'm thinking of some C routines.

> **❝ RadioCarbon** wrote: ↑   October 2nd, 2019, 7:10 pm
>
> There I used
>
> > **❝**
> >
> > iptables -nvx -L
>
> to determine the data.

Did you then need it because your add-on recorded something that you then read out via iptables or is that an alternative to your add-on?

Of course, I would prefer a counter via IP address that the kernel logs natively and I "only" have to read out. I already get the traffic via the interface via SNMP, but I would like more.

It just occurred to me: if a client in green goes to the Internet via the (transparent) proxy, is it even possible to say how much traffic a single client causes?

Michael

IPFire 2.25 - Core Update 153 on x86_64
AMD GX-412TC SOC @ 924MHz x2 - 4GB

Re: Traffic from single IP addresses

📄 by **Hellfire** » October 7th, 2019, 6:16 pm

There have probably already been other inquiries in this direction: viewtopic.php? t = 8073 other
viewtopic.php? f = 50 & t = 14849

❝

Hellfire

Posts: 697
Joined: November 8th, 2015, 8:54 am

IPFire 2.25 - Core Update 153 on x86_64
AMD GX-412TC SOC @ 924MHz x2 - 4GB

Re: Traffic from single IP addresses

by **RadioCarbon** » October 7th, 2019, 6:52 pm

RadioCarbon

Posts: 17th
Joined: February 23rd, 2017, 7:39 am

> **Hellfire** wrote: ↑   October 7th, 2019, 5:52 pm
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> > > iptables -nvx -L
> >
> > to determine the data.
>
> Did you then need it because your add-on recorded something that you then read out via iptables or is that an alternative to your add-on?

Everything written in Perl and SQLite for data storage. Prepared graphically with the RRD tool. Still on mine page. But there is a lot to adjust, just in the GUI and then the tables in iptables are a little different in the ipfire. Since I do this in my limited free time, it takes a little longer.

> **Hellfire** wrote: ↑   October 7th, 2019, 5:52 pm
> Of course, I would prefer a counter via IP address that the kernel logs natively and I "only" have to read out. I already get the traffic via the interface via SNMP, but I would like more.

> **It just occurred to me: if a client in green goes to the Internet via the (transparent) proxy, is it even possible to say how much traffic a single client causes?**
>
> Michael

Since the traffic has to enter the green before it comes to the proxy, it can be counted. What cannot be counted is the traffic between the clients in the respective network segment.

IPFire 2.25 - Core Update 153 on x86_64
Intel Celeron E1500 @ 2.19GHz x2 - 952MB
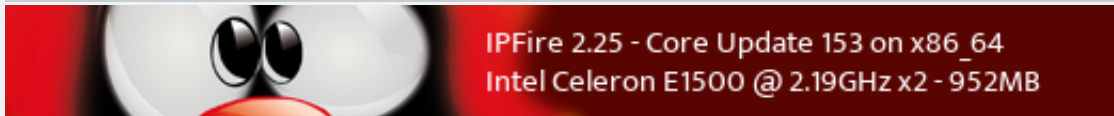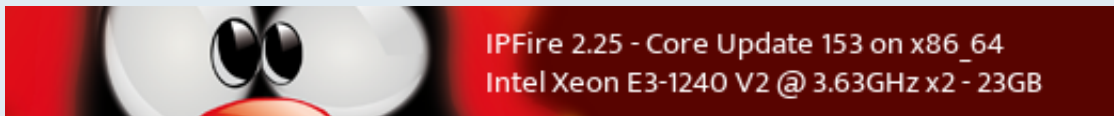
Re: Traffic from single IP addresses

by **Stefan87** » October 11th, 2019, 4:29 pm

I use ntopng

Super Tool for all this to log individual ip addresses and clients

viewtopic.php? f = 50 & t = 19565

Make it all graphically, have fun

IPFire 2.25 - Core Update 153 on x86_64
Intel Xeon E3-1240 V2 @ 3.63GHz x2 - 23GB

Stefan87

Posts: 75
Joined: July 20th, 2017, 11:55 pm

Re: Traffic from single IP addresses

by **FischerM** » October 12th, 2019, 6:35 am

Hello,

> **RadioCarbon wrote:**
> Back then I wrote the add-on "IPTraffic" for IPCop.

Look at. The world is small and so you meet again. 😃

I would like to throw another possibility into the discussion: Back then I got stuck with Simon Schmitz's "XtraGraphs".

FischerM
Community Developer
🟨

Posts: 1025
Joined: November 2nd, 2011, 12:28 pm

I also wrote to him once whether he would be interested in porting, but unfortunately received no answer – the domain is now empty.

I still have the source code for the 0.2.3 version. However, my programming skills are not enough for something like that.

To have at least asked carefully: does anyone know this IPCop add-on and would want / be able to deal with it?

Many greetings,
Matthias

Re: Traffic from single IP addresses

by **Hellfire** » October 14th, 2019, 10:23 am

> **Hellfire**
>
> Posts: 697
> Joined: November 8th, 2015, 8:54 am

> **Stefan87 wrote:** ↑   October 11th, 2019, 4:29 pm
> I use ntopng for all of this

Yes, I know, I've already been running, but very resource-consuming. But since I build my own dashboard, actually there are several, and thus not only IPFire monitors, but also four NAS, several access points and two switches, ntopng doesn't help me any further.

At the moment I am discussing here: viewtopic.php? f = 22 & t = 23446 to tap the traffic possibly via pmacct. Unfortunately, I didn't get the chance to test the proposed solutions from UE at the weekend, but I will definitely make up for it.

Michael

IPFire 2.25 - Core Update 153 on x86_64
AMD GX-412TC SOC @ 924MHz x2 - 4GB

OdonGarma

Re: Traffic from single IP addresses

by **OdonGarma** » October 15th, 2019, 5:00 pm

A port from iptraffic would be great! That went great on the ipcop!

Greetz

Hardware : APU.3C4 (4.10.0.0), AMD GX-412TC SOC x4, 4GB-RAM, 32GB mSata SSD, 3x Intel I211 NIC
Modem : ZyXEL VMG1312-B **VPN** : IPSec (n2n), OpenVPN (Roadwarrior)

Re: Traffic from single IP addresses

FischerM
Community Developer

by **FischerM** » October 16th, 2019, 6:29 pm

Imagine,

because I can't find anyone anymore and unfortunately my memories fail me: maybe you have a screenshot of 'IPTraffic'?

Many thanks in advance,

Matthias

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