

DEF CON 32

AUG 8-11, 2024

LAS VEGAS



Oh, what a crazy month it's been

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What do we provide?

- DefCon, DefCon-WPA3 and DefCon-Open Wireless
 - for general Internet and conf activities
- Support DEF CON Departments
 - e.g. DCTV talk streaming
- Special requests from the floor
 - contest servers

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This has been a little different...
For a variety of reasons,
We really only had 28 days of hard planning



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Fastest opening for Wi-Fi and Wi-Fi Reg
Fastest completion of the drops
Most miles walked



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What did setup look like

Sunday
Load in,
Core
and
Switches

Monday
Work with
Cox
setting up
patches
Start Wi-Fi
setup

Tuesday
Stand Up
DefCon
DefCon-
Open
Wi-Fi Reg

Wednesday
Drops
Drops
Drops

Thursday
A few
more
Drops
and
Defcon-
WPA3

Sleep

Sleep
Network
Brain
Surgery

Sunday
Take it all
down and
go home

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The Gear List

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- 42 FreeBSD Firewall(s)
- 1 Core Switch (3172PQ - "new")
- 650 Access Points via the Cox Wireless Network
- 32 Edge Access Switches (up 10 from previous year)
 - 100 floor drops (~what we had previously)
- 2 Servers - radius, monitoring
- The DEF CON Media Server

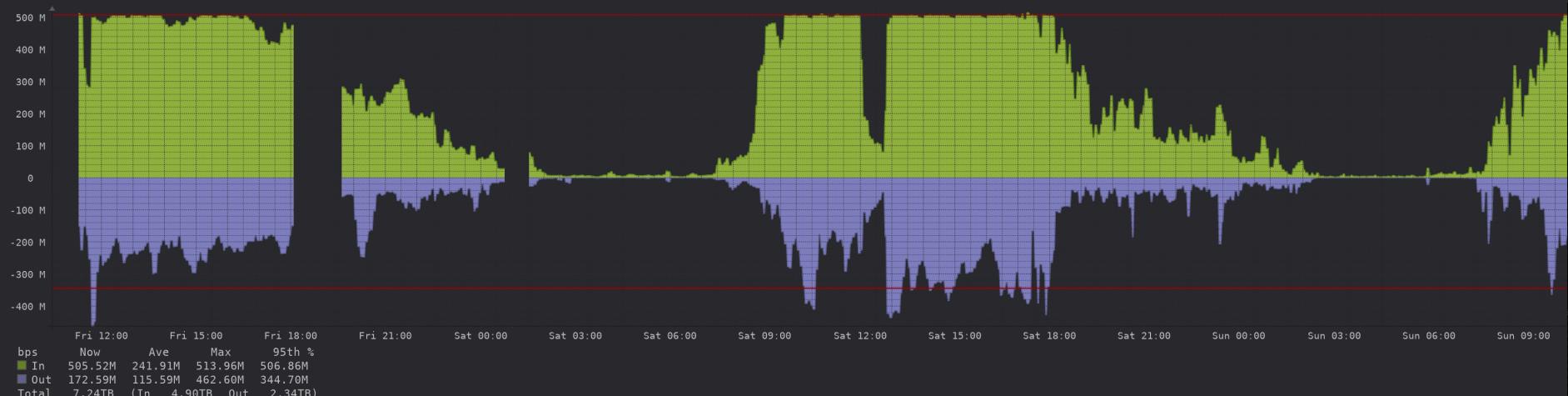


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Internet Bandwidth



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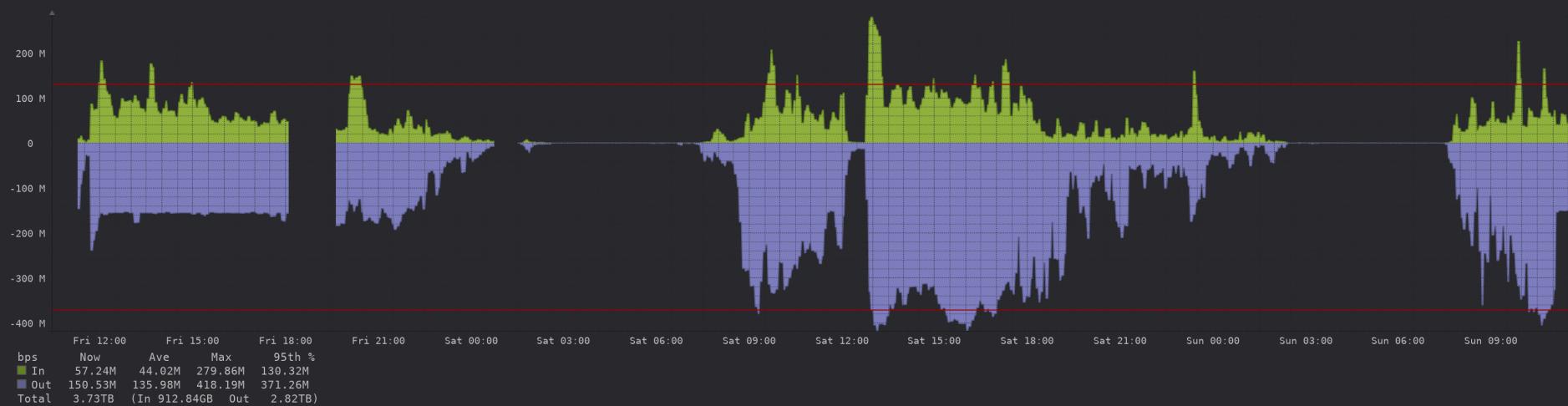
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DefCon Secure (DefCon + DefCon-WPA3)



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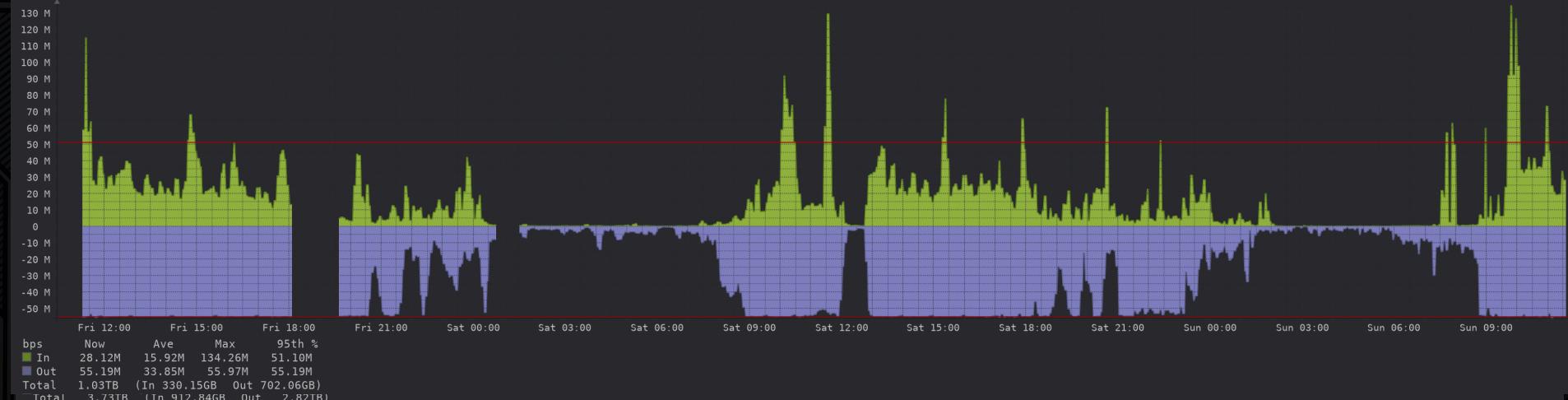


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DefCon-Open

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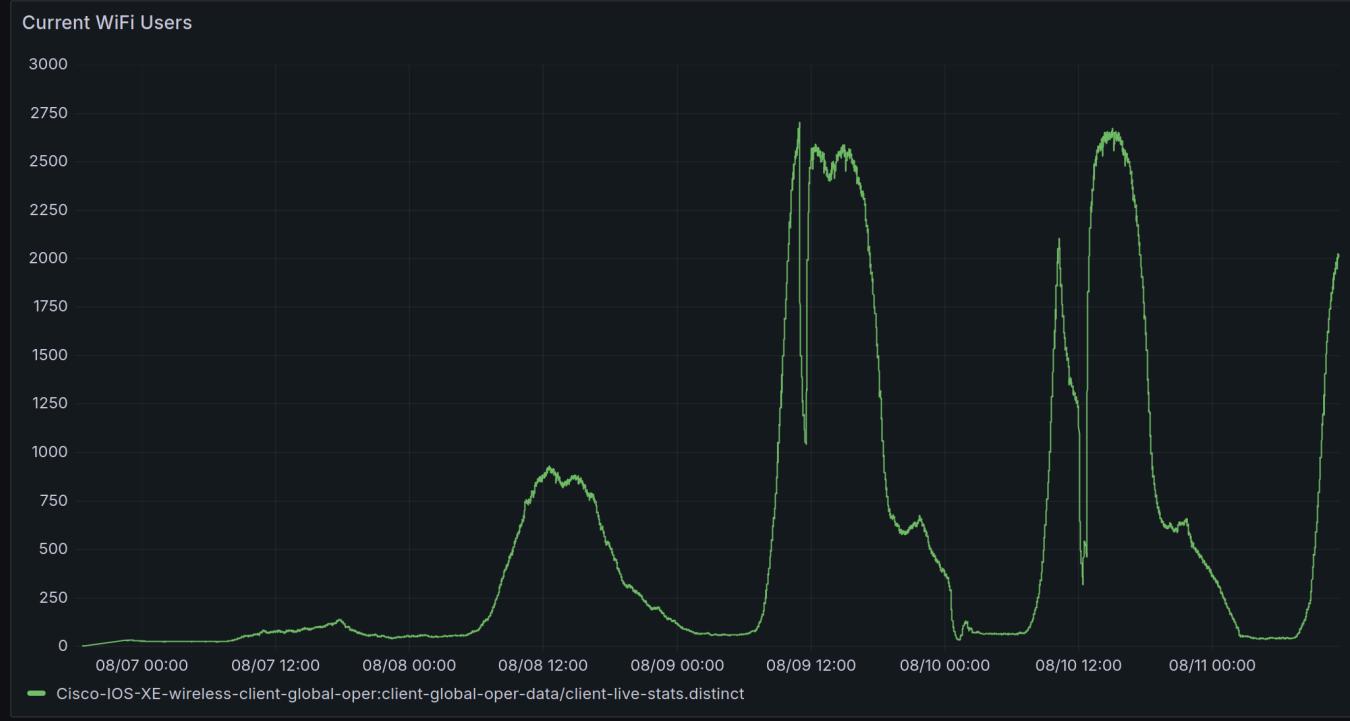
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Wireless Clients

Home > St > WiFi S... > View pa... ★

⋮ ☰ ▾



65% Secure
35% Open

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Challenges

- “OMG THESE PEOPLE ARE HEATHENS”....Defcon NOC monitoring network usage
- “They just cant get enough” NOC monitoring
- Friday Morning outage.... Nothing like hitting the peak right out of the gate and then slamming on the breaks....stop forwarding your self... stop forwarding your self.
- Saturday DHCP server hangover



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Wireless

- Bit of a different setup with DefCon using the internal Wi-Fi setup and Cox assisting.
Same awesome DefCon-Open and DefCon (and DefCon-WPA3) just way more gear.



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Internet

- Bandwidth is a struggle every year and while we would love to have infinite bandwidth, we do the best we can with what we have.



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WIFI Extras

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- 989 = Number of unique SSID's advertised around the NOC
- 38 = Number of unique Pwnagotchis detected around the NOC
- 382 = Number of Frames detected from Pineapple devices
- 31 = Number of De-authentication flood attacks detected around the NOC
- 15 = Number of attempts to spoof any of DefCon SSIDs

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Most advertised unknown networks

- TMobileWingman
- pwned
- big turd
- Council of Ricks
- openwireless.org2
- 0D4YMYD3C0
- HackMyHat
- Searching...
- Dr_Dr0n3-GuessMyPassword
- SwapSpot
- Pineapple_2E49
- Avalon
- Guppy
- MSG_Guest
- SQUEEZE



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Thanks

DT
Janet
Nikita

Mo and GAG LAB
Department Leads

QM
Cox
LVCVA

Every other DEF CON Goon
YOU!

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The NOC Team

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- Leads
 - #sparky
 - mac
- Chief of Staff
 - effffn
- Infra/Systems
 - MikeD
 - c7five
 - booger
 - deadication
 - dp1i
- Monitoring
 - c0mmiebstrd
- Wi-Fi
 - CRV
 - Jon2
- Runners
 - wish
 - strange
 - Toph
 - k4tn155
 - duffguy
 - tater
 - meiBo
 - Johntitor



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