
DEFCON®



CLOSING CEREMONIES



DEF CON Memorial Room


CAESARS
FORUM

HACKER HOM3C0MING

DEF CON 30

AUGUST 11-14, 2022

VEGAS and ONLINE





30th ANNIVERSARY



UBER CONTRIBUTORS

1057 b0y

The original Puzzle Master &
Spirit of Inspiration

Richard Thieme

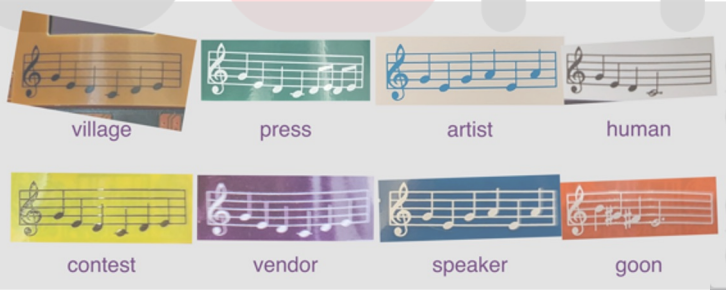
Seeker of a Deeper Meaning &
Explorer of The Unknown

THE BADGE

DESIGNERS – MKFactor

@compukidmike @ktjgeekmom







TRANSPARENCY

Annually published since 2017 at defcon.org/html/links/dc-transparency.html

Medical Assistance – 12
Masking Related Incidents
- Put mask on at our request – Many
- Decided to leave the con instead – at least 9
- Ejected from con by venue security - 3

Privacy policy violations by members of the press
- Badges Revoked – 3
- Individuals Banned – 1
- News Outlets Banned – 1

Hotline (34 calls and 14 texts)
- Most were informational
- Paraprofessional consulting - 3
- Code of Conduct Violations – 4
- Calls about masks - 3
- Accessibility concerns – 5
- Mistaken Registration Calls - too many



#👊-report-a-violation-👊!

TRANSPARENCY

Code of Conduct Violations

- Violations leading to warnings
  - Verbal Harassment – 1
  - Aggressive / threatening behavior – 1
- Goons removed from Staff – 2
- Removed from con by venue security for threatening behavior – 1

Sexual Misconduct Incidents

- Unwanted touching – 5
  - (2 perpetrators identified and permanently banned)
- Predators identified and banned before con start - 1

The more we hear about, the more we can help

safety@defcon.org



PRESS

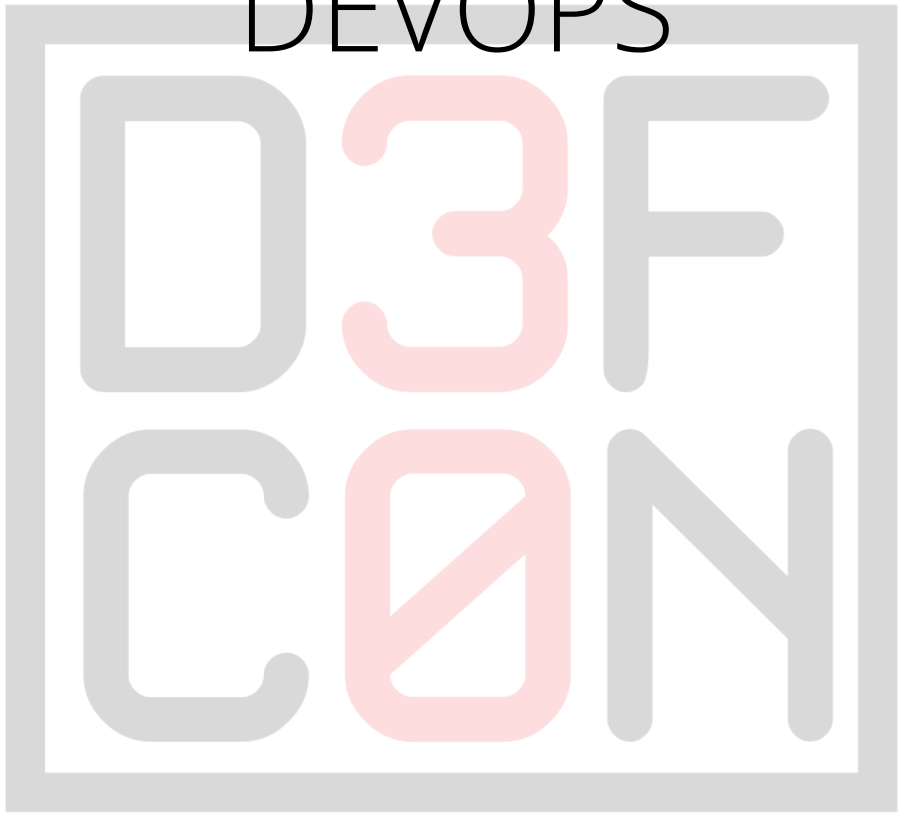
70+ credentialed individuals; nearly 50% "non-traditional" media

15 journalists from the Norwegian institute of Journalism

3 revoked badges, 1 outlet-wide ban

1 individual ban

DEVOPS



DC30 DevOps Totals:



0 - Down time

60 Requests closed

35 Full Bots:
–183 Custom micro-bots
–19 Easter egg commands

3 New bots created
- Kan Ban integrations
- New Kan Ban deployment solution

15,818 Total lines of code in production
6456 Lines of code added or changed
40% of code base changed!

Caesar's Challenge Integration

Discord Stats:

465 Discord channels

55,500 messages sent in general channels

77% of members 1+ years on DEF CON Discord

100 – Virus scans by DevOps
- All Safe?

33% of members are outside of the U.S.
- International contestants

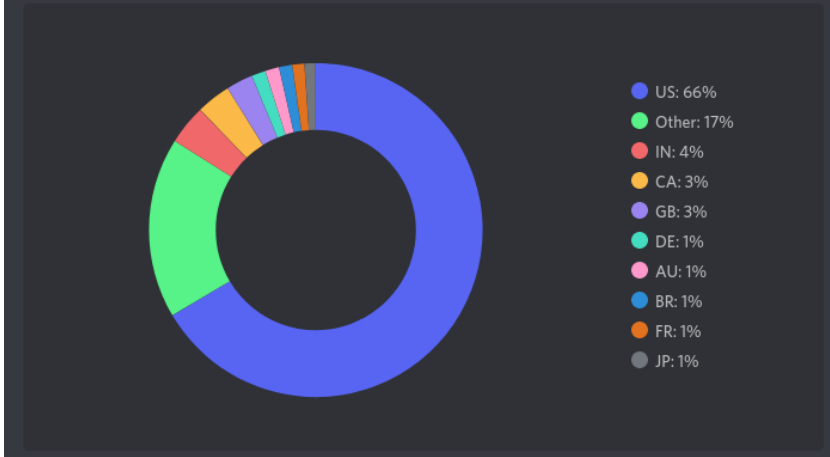
3 Warns issued

0 Bans

Join in 24/7/365!!!

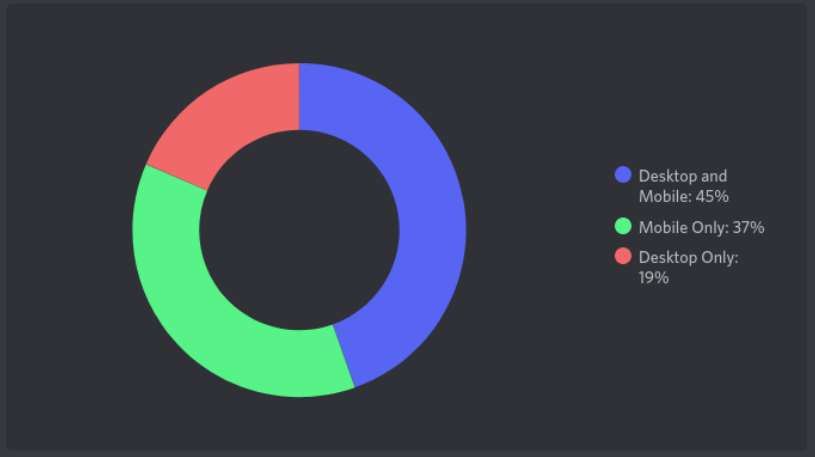
Which countries are my members from?

Export CSV



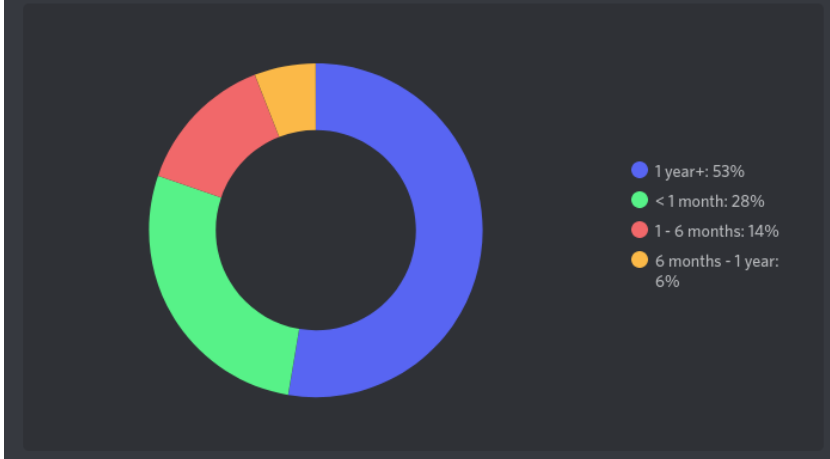
What devices do they use?

Export CSV



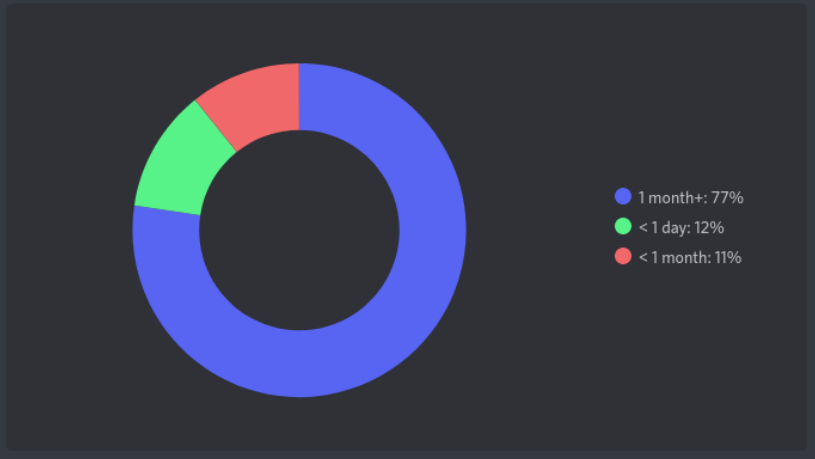
How long have they been a member of the server?

Export CSV



Are my new members also new to Discord?

Export CSV



DEVOPS Team

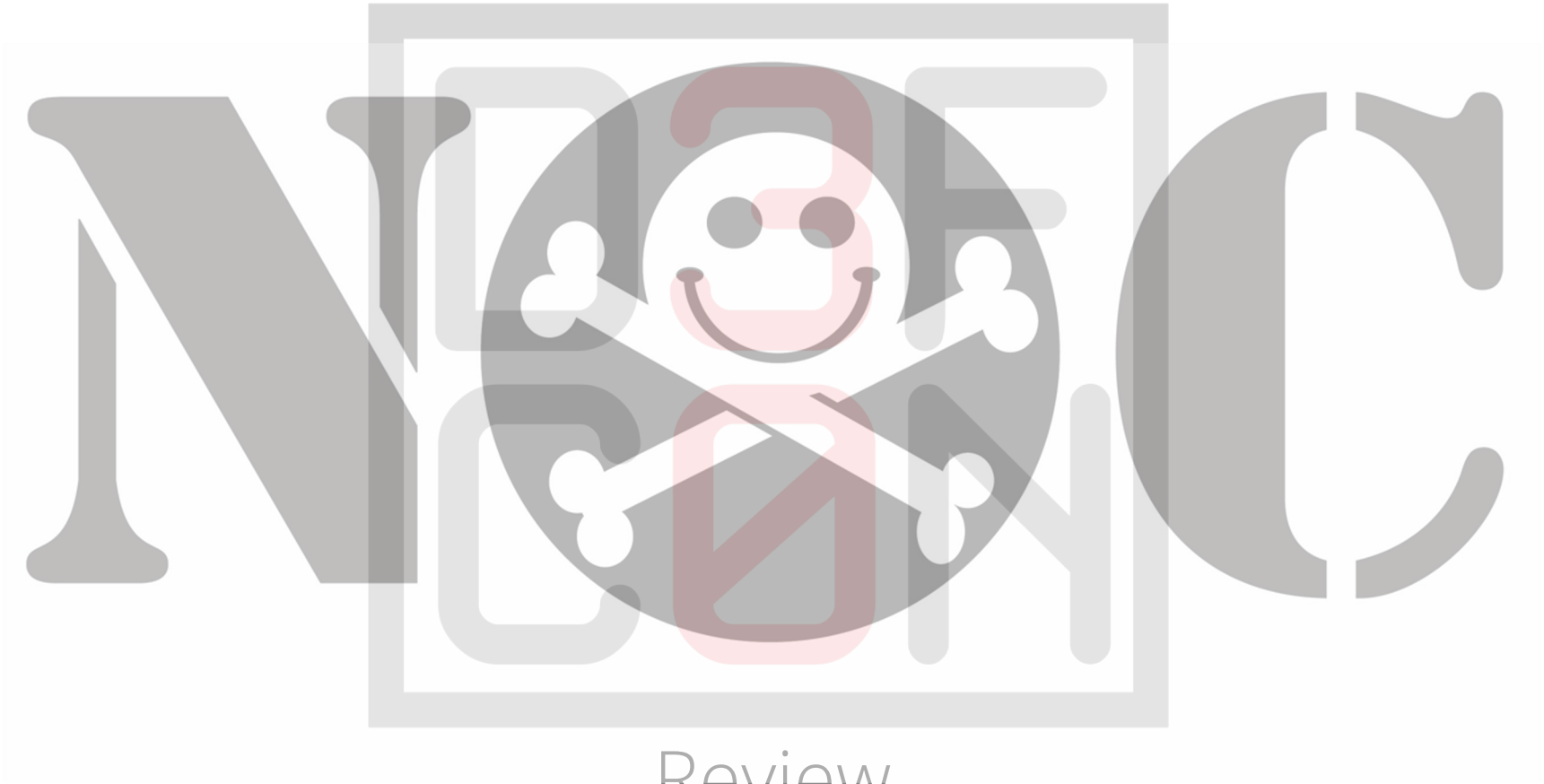
Riverside
Fox
Ari
Bse
Cstone
Lightning
Mubix
Mauvehed
Nebberz
NightWolf
Respondo
Thephreak
TCMBC
VoltageSpike
PHV Testers

Zero incident year

...unless you got disqualified for the black badge raffle...

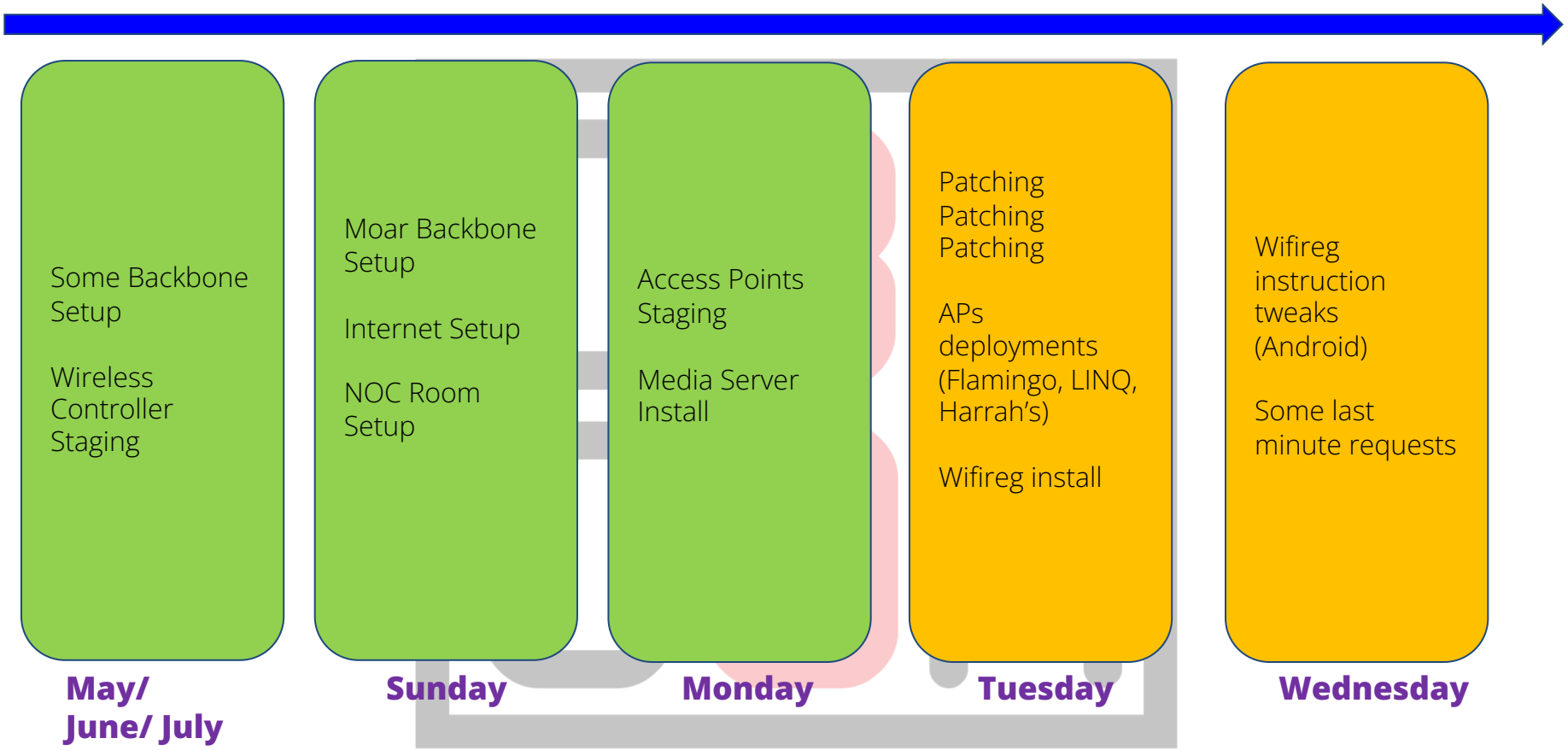


W3LCOME HOME



Review


The 27 Most Powerful Photos Of Guy Fieri Pointing At Things
RACING


Some Backbone Setup
Wireless Controller Staging
May/ June/ July
Moar Backbone Setup
Internet Setup
NOC Room Setup
Sunday
Access Points Staging
Media Server Install
Monday
Patching
Patching
Patching
APs deployments (Flamingo, LINQ, Harrah's)
Wifireg install
Tuesday
Wifireg instruction tweaks (Android)
Some last minute requests
Wednesday

Moar last minute requests

Some Moar Patching

Thursday



Friday

Shit worked with minor issues

Saturday

Teardown Flamingo/ LINQ/ Harrah's

Malört

Sunday

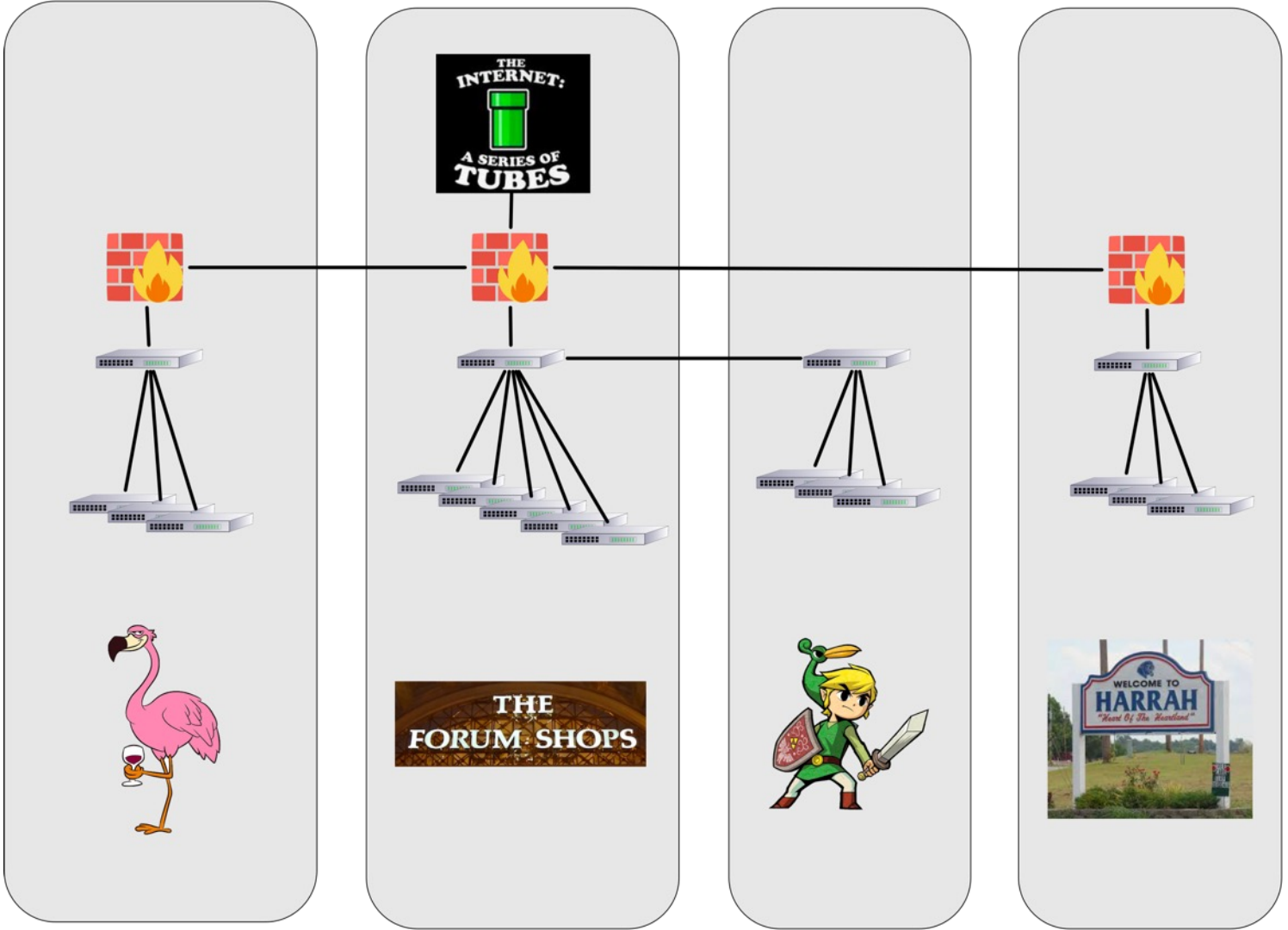
Support DEF CON Trainings

Finish Teardown

Packing

Go home! (Wed)

Monday/ Tuesday


THE INTERNET:
A SERIES OF TUBES
THE FORUM SHOPS
WELCOME TO
HARRAH
"Heart Of The Heartland"

The Gear

Wired Gear

3 x Firewalls - FreeBSD
4 x Core/ Distro Cisco Switches
21 x Edge Cisco Switches
Some unmanaged switches
Monitoring Cloud Infrastructure
1 x WiFi Registration "Server"
THE Media Server

Wireless Gear

4 x Aruba Controllers
45 x Aruba Access Points (model 305)
318 x Aruba Access Points (model 534/535)

Wired

Villages
Contests
Speakers
Press
InfoBooth
Entertainment
DC TV
Discord DevOps
Workshops

WOW-Fi

Attendees

Workshops

And everyone else



Traditional Stats

14.2 TB of internet traffic (vs DC 29 – 6.8TB vs DC 27 - 12.6 TB)
– Inbound: 8.6
– Outbound: 5.6
5,255 users registered on wifireg
(including the SQLi attempt, win.ini I see you)
1,434 wireless users peak
8,346 total number of devices on WoW-Fi
9,490 unique DHCP leases
8,725 different mac addresses
10.4 TB of wireless traffic
1.6 TB media server traffic

Challenges



New

Ticketing System

Continuous Synthetic User Monitoring

nzyme Wi-Fi monitoring

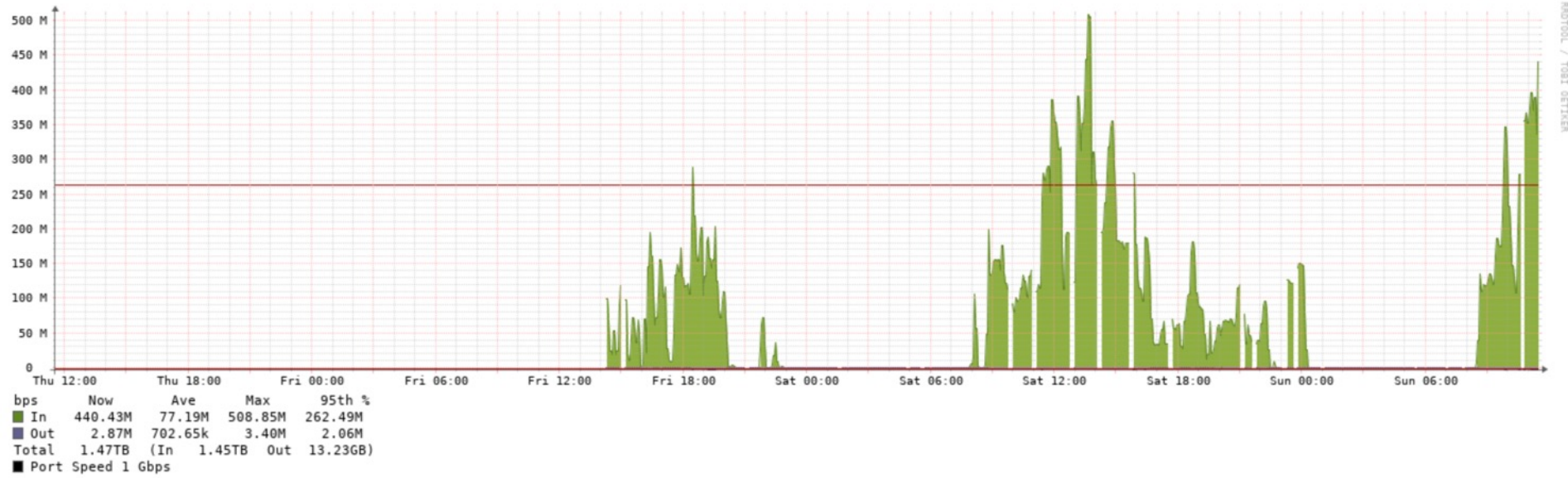
Cloud Monitoring

WPA3 (fully supported only in Linux and Android)

Media Server

From 2022-08-11 11:30 To 2022-08-14 11:30 Update

Hide Legend | Show Previous | Show RRD Command | Zoom to Port Speed | To show trend, set to future date



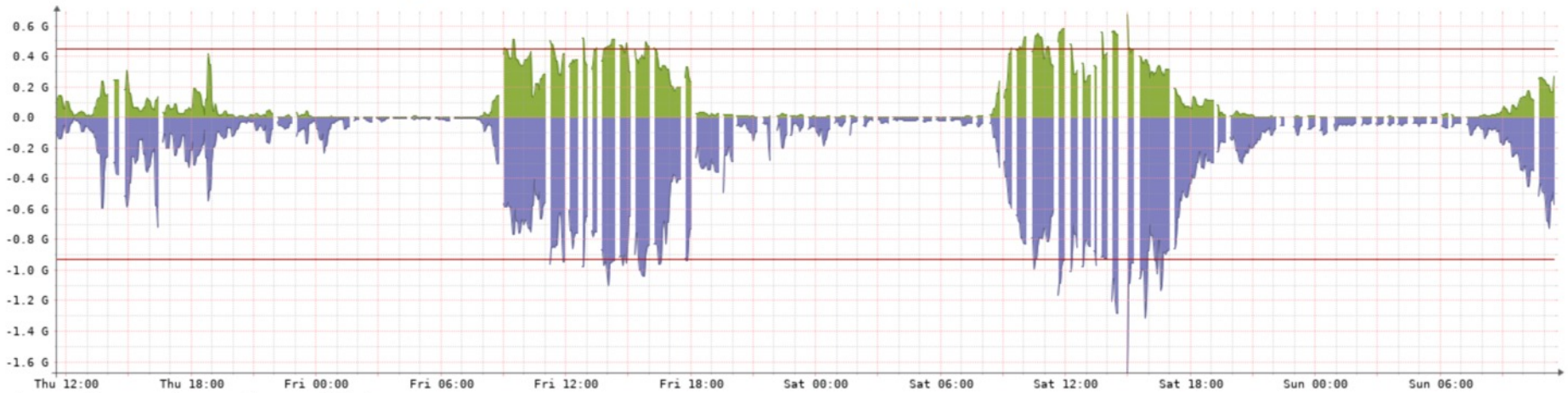
bps	Now	Ave	Max	95th %
In	440.43M	77.19M	508.85M	262.49M
Out	2.87M	702.65k	3.40M	2.06M
Total	1.47TB	(In 1.45TB	Out 13.23GB)	

Port Speed 1 Gbps

Wireless

From 2022-08-11 11:30 To 2022-08-14 11:30 Update

Hide Legend | Show Previous | Show RRD Command | Zoom to Port Speed | To show trend, set to future date



bps	Now	Ave	Max	95th %
In	250.07M	113.23M	675.90M	451.62M
Out	499.61M	283.41M	1.67G	932.52M
Total	10.55TB	(In 3.01TB	Out 7.54TB)	

Port Speed 10 Gbps

Internetz

From 2022-08-11 11:30 To 2022-08-14 11:30 Update

Hide Legend | Show Previous | Show RRD Command | Zoom to Port Speed | To show trend, set to future date



bps	Now	Ave	Max	95th %
In	965.43M	361.09M	1.40G	1.04G
Out	1.17G	431.95M	2.23G	1.31G
Total	21.20TB	(In 9.65TB	Out 11.55TB)	

Port Speed 20 Gbps

Nzyme data

Number of unique SSID's advertised around the NOC: 989
Number of unique Pwnagotchis detected around the NOC: 38
Number of Frames detected from Pineapple devices: 382
Number of De-authentication flood attacks detected around the NOC: 31
Number of attempts to spoof any of DefCon SSID's by changing or disabling encryption: 15

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

The NOC Team



Leads
@effffn
mac

Chief of Staff
#sparky

Infra/Systems
MikeD
c7five
booger
deadication
dp1i

Wi-Fi
CRV
Jon2

Runners
wish
strange
Toph
k4tn155

Monitoring
c0mmiebstrd
johntitor

Thanks!

DT
Janet
Nikita
Department Leads
QM
Caesars IT & SOC
Encore Staff
Every other DEF CON Goon
Guy Fieri
YOU!



https://noc.defcon.org

@DEFCON_NOC

DCTV

We get up so you don't have to…

https://DCTV.defcon.org

7 Hotel Properties
28 Channels
20k Hotel Rooms
6 Twitch Channels

5 streams for DEF CON China Virtual Party

“360” VR camera for DEF CON China with “blinders” in Track 1

Twitch

26K unique Twitch viewers
15K Followers

Most popular twitch program:

Hacker Jeopardy Finals:
422 contiguous viewers

Thank you!!!!

DCTV Volunteers

Videoman (Co-head)
Tuna (Co-head)

- Sandwich
- Skw33k
- Ghost Pepper
- Eagle1
- RobbinBS

Shoutouts!

DC NOC!
Caesars IT

- Phil (Thank you!)
- Harry (Thank you!)



INFO BOOTH

info.defcon.org

Discord - #-infobooth

Twitter - @dcib

Hacker Tracker - Android / iOS

GitHub - goo.gl/bbVRMt

Feedback - hackertracker@defcon.org

SPEAKERS

Great Tracks / Great Talks / Great New Speakers:
71.4% were delivered by first time DEFCON speakers
94.5 of talks scored 4 or 5 on content quality
89.2% were rated a 4 or 5 on presentation skills
41% were called out as being “great”
86.3% scored a 5 on fulfilling their *promise*

WORKSHOPS

Three days of workshops

2,330 seats sold out in under 24 hours

28 workshops over 3 days

Adequate space reserved for social distancing

TRAININGS

Offered for the first time at DEF CON 30

Two days of training following the main CON

8 sessions with world-class trainers

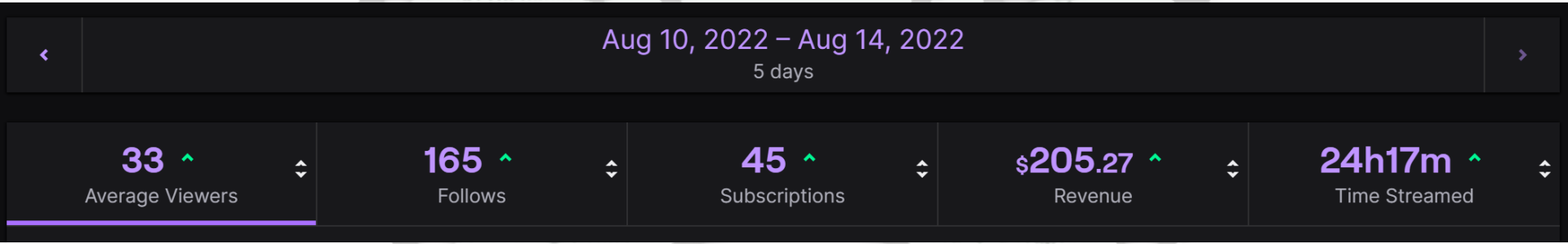
ARTISTS & ENTERTAINMENT

Archwisp
Biolux
CaptHz
CodexMafia
CTRL/rsm
DotOrNot
DJ Scythe
DJ St3rling
DJ Thaad
DJ UNIT 77
Dr. McGrew
Dual Core
FuzzyNop
Hanz Dwight
Heckseven
Hellacopta
Icetre Normal
Keith Meyers
Kody Hildebrand
Krisz Klink
Mass Accelerator
Magik Plan
Miss Jackalope
n0x08
NPC Collective
PankleDank
Scotch and Bubbles
Skittish & Bus
SomaFM
TAIKOPROJECT
Tavoo
Tense Future
Terrestrial Access Network
TRIODE
Yesterday & Tomorrow
YTcracker
Zebbler Encanti Experience
Zebbler Studios
Z3NPI

MUSIC VIEWING STATS

defconmusic.org

100% of proceeds go to the EFF



PARTIES

Thank you to the parties and meetups that helped shape this DEF CON by bringing people together!

The DC702 pwnagotchi party raised $4,535 for the EFF

VIDEO TEAM

We added a video team to capture some of the stories behind all the contests, events and shenanigans

Big thanks to everyone who took the time to speak with them and bigger thanks to the Video Team for helping us get the word out

Silk, Gourry, Shannon 'Snubs' Morse, @endingwithali, STARES, RansomWear, NeonTemple, LegzZ, @lowercvse, NahamSec

VILLAGES

303 Skytalks
Adversary
Aerospace
AI
AppSec
Bio Hacking
BIC
Blue Team
Car Hacking
Cloud
Crypto & Privacy
Data Duplication
Girls Hack
Ham Radio
Hardware Hacking
ICS
IoT
Lock Pick
Misinformation
Packet Hacking
Password
Payment
Physical Security
Policy
Quantum
Radio Frequency
Recon
Red Team
Retail Hacking
Rogues
Social Engineering
Soldering Skills
Tamper Evident
Voting Machine

DATA DUPLICATION VILLAGE

INPUT – 427 Drives

3 source data sets

- Available at infocon.org ***(seed the planet)***

Drive Manufacturers

- Seagate – 166 (10 fails - ***age?***)
- WD – 114 (3 fails)
- Toshiba – 74 (3 fails)
- HGST – 37 (4 fails)
- Max DD – 21 (0 fails)
- Others – 7 (1 fail)

OUTPUT – 427 Drives

All Drives Processed!

Dupe time of 11h to 20h!

DDV Talks

Requests

- Infocon - 183 dupes
- Hashtables 1-2 - 131 dupes
- Hashtables 2-2 – 113 dupes
- Total dupes 428 copies
- 427 dupes @ ~5.5TB each
  = ~ 2.6 PB Out





DEMO LABS

Where researchers and the community connect, interact, and collaborate
Live demo time for each presenter with Q&A sessions
Forum space for each demo
Demolabs both in person and virtual again this year
41 Call for Demolabs projects received
30 demos accepted - 28 in person and 2 virtual

CONTESTS & EVENTS

Auto Driving CTF
Betting on Your Digital Rights
Beverage Cooling
Blacks In Cyber CTF
Capture the Packet
Car Hacking CTF
Chess Tournament
CMD+CTRL
Crack Me If You Can
Crash and Compile
Darknet-NG
DEF CON CTF
Hack Fortress
Hack-n-Attack
Hack the Plan[e]t
Hacker Jeopardy
Ham Radio Fox Hunt
Hospital Under Siege
Hack3r Runw@y
IoT CTF
Miscreants Photobooth
MUD
Next Top Threat Model
Octopus Game
Outside the Box
Packet Detective & Inspector
Red Alert ICS CTF
Red Team CTF
RF CTF
Scavenger Hunt
SEC-V Vishing
SEC-V Youth Challenge
Sticker Design
Tech Trivia
TeleChallenge
The Gold Bug
The Schemaverse
Tin Foil Hat
Trace Labs OSINT CTF
Whose Silde?



BLACK BADGE CONTESTS

The Badge Challenge

Capture the Packet

IoT Village CTF

Darknet-NG

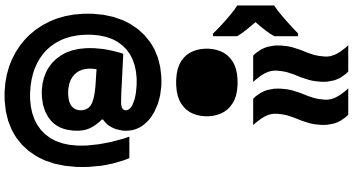
Blacks In Cyber CTF

Radio Frequency CTF

Social Engineering Community Village Vishing Competition

Scavenger Hunt

CAPTURE THE FLAG







Nautilus Institute

livectf.com



Live from DEF CON CTF 2022 Finals

Day1 Pt 1, Pt 2 Day 2 Day 3

Check out all the LiveCTF challenges used this year!

In partnership with:




LiveCTF
perfect r●●●t
侍
perfect r●●●t
Straw Hat
Katzebin
Straw Hat
Sauercloud
DiceGuesser
Sauercloud
Water Paddler
r3kapig
r3kapig
perfect r●●●t
r3kapig
perfect r●●●t
StarBugs
StarBugs
Maple Mallard Magistrate
the new organizers
StarBugs
Maple Mallard Magistrate
Shellphish
Balsn.217@TSJ.tw
the new organizers
./V /home/r/.bin/tw
StarBugs
Maple Mallard Magistrate
OSUSEC
PTB_WTL
Shellphish
StarBugs
CHAMPION



NAUTILUS INSTITUTE

1. Maple Mallard Magistrates
2. Katzebin
3. StarBugs

THE RAFFLE



A TrollllllllI no more!

THANK YOU TO ALL
DEF CON DEPARTMENTS

Arts & Entertainment
Badges
CFP Review Board
Contests / Events
DC Groups
DCIB / Hacker Tracker
DCTV
Decor
Demo Labs
DEVOPS
Dispatch
Forums
HDA
HQ
IHR
Merch
NOC
Parties / Meetups
Photo & Video
Policy
Press
Production
QM
Registration
SOC / Hotline
Speaker Ops
Training
Vendors
Villages
Workshops

TO GOONS OLD AND NEW

Retiring GOLD BADGE Goons (10+ years)

Sunsh1ne, Bitmonk, Ahab, RedBeard, A, Killerspud, mattrix, Salem, Carric, Lisal33, Brazil, Scout, rcu83d, Dallas, Zantdoit, Amlazar, Chosen1, cRusad3r

Current GOLD BADGE Holders

n00ns (new Goons)

DEF CON 30 ORGANIZERS

DT, **Nikita**, **Janet**, Neil, Will, Darington, Jeff, and TCMBC

All Department Leads and Seconds

DEF C-ONLINE

Hackers still ***LOVE*** Discord

#linecon and select rooms remain open

Movie Nights for shared social viewing

DEF CON Forum App - iOS/Android

DEF CON Groups meet ups

r/defcon - @defcon on IG and Twitter

Year-round A&E streaming on Twitch

Stay tuned for announcements - @defcon

DEF CON 31
August 10 - 13, 2023

Registration for Hotels is live at defcon.org


SEE YOU NEXT YEAR AT...
CAESARS FORUM
LINQ – Harrah's - Flamingo

POST CON-TENT COMING SOON

Full Main Track Talks
Full Villages Talks
Soundtrack
Contests Winners

media.defcon.org
info.defcon.org
forum.defcon.org
Forum mobile apps

THANK YOU ALL!



Afterparty – 11PM in Chillout

It's now safe to turn off
your DEFCON


DEFCON®