IN MEMORIUM

DEF CON Memorial Room
HACKER HOMECOMING

DEF CON 30

AUGUST 11-14, 2022

VEGAS and ONLINE

KEY PHOTO

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
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
<table>
<thead>
<tr>
<th>DC30 DevOps Totals:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>0</strong> - Down time</td>
</tr>
<tr>
<td><strong>60</strong> Requests closed</td>
</tr>
<tr>
<td><strong>35</strong> Full Bots:</td>
</tr>
<tr>
<td>- 183 Custom micro-bots</td>
</tr>
<tr>
<td>- 19 Easter egg commands</td>
</tr>
<tr>
<td><strong>3</strong> New bots created</td>
</tr>
<tr>
<td>- Kan Ban integrations</td>
</tr>
<tr>
<td>- New Kan Ban deployment solution</td>
</tr>
<tr>
<td><strong>15,818</strong> Total lines of code in production</td>
</tr>
<tr>
<td><strong>6456</strong> Lines of code added or changed</td>
</tr>
<tr>
<td>40% of code base changed!</td>
</tr>
</tbody>
</table>

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!!!
Zero incident year

...unless you got disqualified for the black badge raffle...
Some Backbone Setup
Wireless Controller Staging

Moar Backbone Setup
Internet Setup
NOC Room Setup

Access Points Staging
Media Server Install

Patching
Patching
Patching

APs deployments
(Flamingo, LINQ, Harrah's)

Wifireg install

Wifireg instruction tweaks
(Android)

Some last minute requests

May/June/July

Sunday

Monday

Tuesday

Wednesday
Moar last minute requests

Some Moar Patching

Shit worked with minor issues

Teardown Flamingo/ LINQ/ Harrah's

Malört

Support DEF CON Trainings

Finish Teardown

Packing

Go home! (Wed)
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
zyme Wi-Fi monitoring
Cloud Monitoring
WPA3 (fully supported only in Linux and Android)
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

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 361.69M 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
- 0D4YMJD3C0
- HackMyHat
- Searching...
- Dr_Dr0n3-GuessMyPassword
- SwapSpot
- Pineapple_2E49
- Avalon
- Guppy
- MSG_Guest
- SQUEEZE
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  5 streams for DEF CON
28 Channels  China Virtual Party
20k Hotel Rooms  “360” VR camera for
6 Twitch Channels  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
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
Three days of workshops
2,330 seats sold out in under 24 hours
28 workshops over 3 days
Adequate space reserved for social distancing
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

## Aug 10, 2022 – Aug 14, 2022

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Viewers</td>
<td>33</td>
</tr>
<tr>
<td>Follows</td>
<td>165</td>
</tr>
<tr>
<td>Subscriptions</td>
<td>45</td>
</tr>
<tr>
<td>Revenue</td>
<td>$205.27</td>
</tr>
<tr>
<td>Time Streamed</td>
<td>24h17m</td>
</tr>
</tbody>
</table>
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
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
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
Capture the Packet
Darknet-NG
Blacks In Cyber CTF
Radio Frequency CTF
Social Engineering Community Village Vishing Competition
Scavenger Hunt
Live from DEF CON CTF 2022 Finals

Day 1 Pt 1, Pt 2 Day 2 Day 3

Check out all the LiveCTF challenges used this year!

In partnership with:
LIVECTF

perfect root

Straw Hat

Katzebn

Saucerdold

Diceresser

Water Pedder

perfect root

perfect root

perfect root

StarBugs

StarBugs

StarBugs

StarBugs

the new organizers

the new organizers

$. /home/t/en/tw

Maple Mallard Magistrateur

Maple Mallard Magistrateur

OSUSEC

PTBTL

Shellfish

Shellfish

Champion

StarBugs
1. Maple Mallard Magistrates
2. Katzebin
3. StarBugs
THE RAFFLE

A Trolllllllll 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
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!

D3FCON

Afterparty – 11PM in Chillout
It's now safe to turn off your DEFCON.