DEF CON 27 REVIEW

NO C
- Internet Uplink
- Core Switch
- Firewall
- Aruba Controller (Paris/ Bally's/ PH)
- MDF/ IDF Connections
- Access Switches

- Moar MDF/ IDF Connections
- Flamingo Connection to Core
- NOC Room Setup
- Patching
- wifireg website up (w00t)
- Malort

- Moar patching
- APs placement Paris/ Bally's

- Patching
- Patching
- APs placement Planet Hollywood
- Paris Theather fiber patch
- Patching testing

- Flamingo Aruba Controllers
- Patching and APs placement Flamingo
- Paris Theather Fun and games
- Media Server Setup
- “Need my requests done NOW”

Schedule:
- Friday/Saturday
- Sunday
- Monday
- Tuesday
- Wednesday

NOC
Patch verification everywhere

Contests going live assistance

“Need what I forgot to ask you before done NOW”

Patching last minute requests

CFS Setup

Patching moar last minute requests

Shit worked with minor issues/requests

Workshops teardown

NOC NOC panel/talk

Drunk Hacker History

Teardown

Malort

Finish Teardown

Packing

Go home!

Detox

Thursday

Friday

Saturday

Sunday

Monday/Tuesday

NOC
Challenges/ Issues : aka yoloOps

- Some of the fiber connections
- Timing
- Last minute requests
- VERY last minute requests
- AP coverage and capacity at times
- 802.1X understanding (still)
- Lots of ground to cover
The good stuff

- Awesome team
- Great interaction with all of the other departments (thanks for the understanding at times in terms of prioritization)
- Adoption of 802.1X through Apple Profile, (the brand new) Android App (THANKS CRV!) and the off-the-cuff Chromebook Profile creation (THANKS c7five and johntitor!)
- NOC talk
Wired

- Villages
- Press
- Contests
- Vendors
- InfoBooth
- Dispatch
- Speakers
- Closed Captioning
- DC TV
- r00tz

WOW-Fi

- Attendees

![Image of a meme with "let's do this"

NOC
The Network

10 Gbps backbone

900 Mbps internet uplink (PH)

And then...

Layer 2 connection PH-Paris-Bally’s

Layer 3/ IPSec PH-Flamingo
### Gear

#### Wired Gear
- 2 x Firewalls - FreeBSD
- 4 x Core/ Distro Cisco Switches
- 27 x Edge Cisco Switches
- Tons of unmanaged switches
- 3 x Monitoring “Servers”
- 1 x WiFi Registration ”Server”
- THE Media Server

#### Wireless Gear
- 2 x Aruba Controllers
- 84 x Aruba Access Points (model 305)
(the usual) Stats

12.6 TB of internet traffic (double of last year)
- Inbound: 9.2
- Outbound: 3.40

7,065 users registered on wifireg
2,100 wireless users peak
10,175 total number of devices on WoW-Fi
12,723 unique DHCP leases
12,182 different mac addresses
10+ TB of wireless traffic
3.011 GB media server traffic
5.1 Gbps of peak traffic on the core
The NOC Team

**Leads**
@effffn
mac

**Operations**
#sparky

**Infra/Systems**
c7five
booger
deadication

**Monitoring**
c0mmiebstrd

WeeW-Feez
CRV
Jon2

runners
johntitor
wish
k4tn155
dp1i

n00bs
Toph
MikeD
Thank you!

- DT
- Nikita
- Linda
- Will
- QM
- Caesars IT
- Encore Staff
- @thelockheed
- Sully’s Bar Staff
- The High Roller at the LINQ
- The very nice folks who brings us snacks
- All other DEF CON departments
- YOU!

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