



DEF CON Networking

THE DC20 NETWORK

<http://www.defconnetworking.org/>





DEF CON

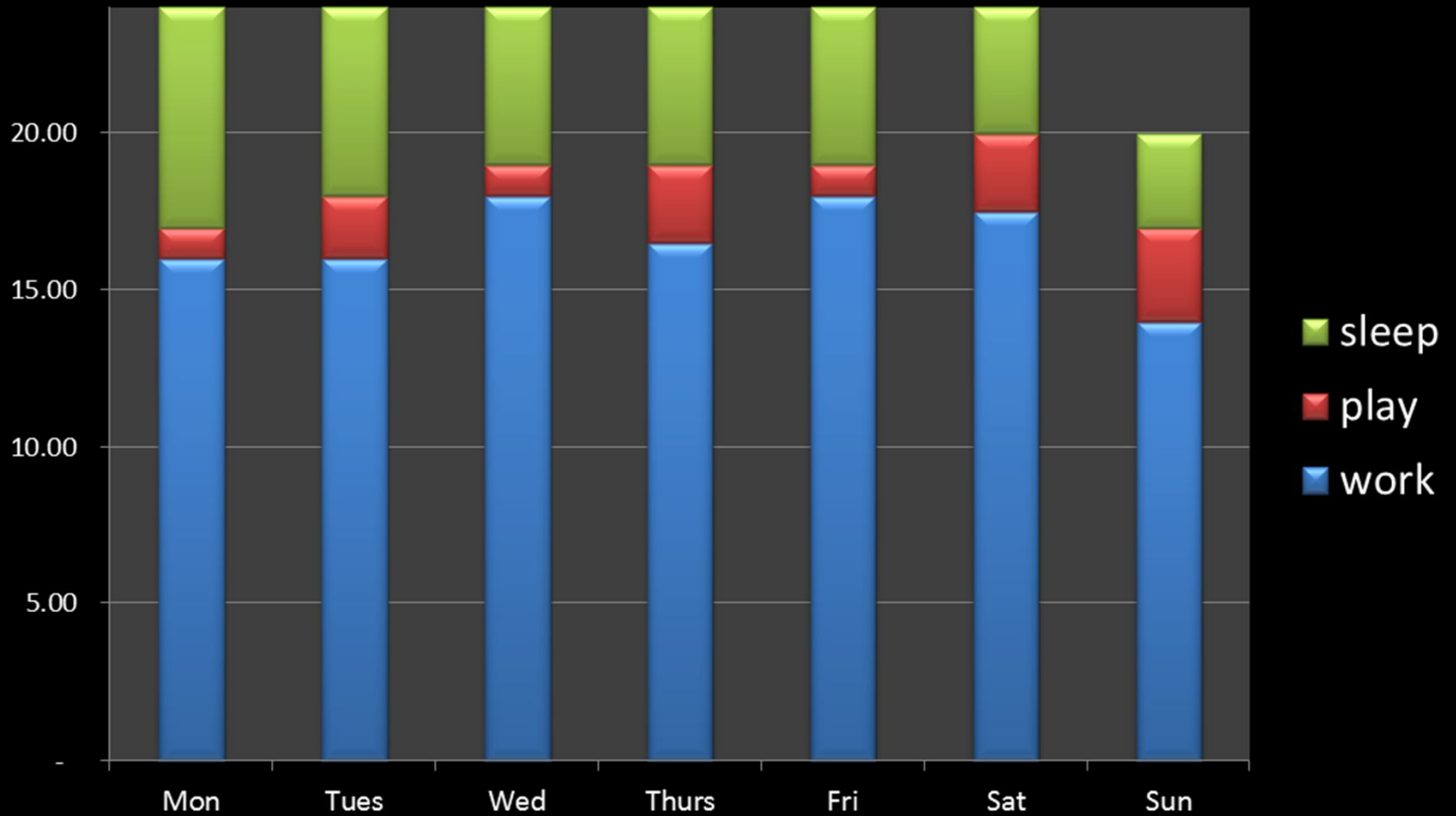
12:01 AM - 11:59 PM

Hold





NOC Staff Time Allocation



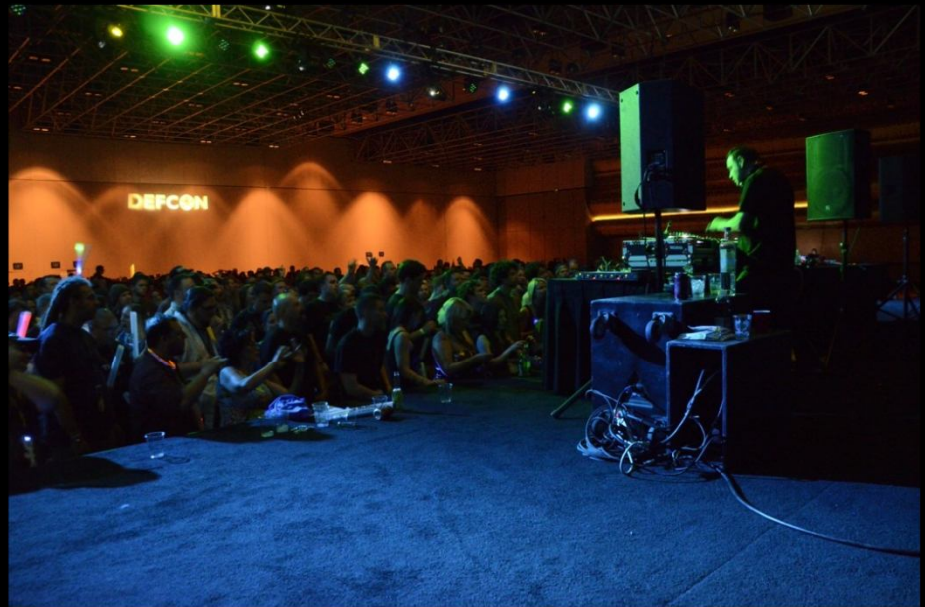
DEFCON

#sparky OUT!



DEFCON

DCNET Highlights





Lockheed My talk My preferences My watchlist My contributions Log out

DEFCON NETWORKING

DC Networking DefCon Website Search Toolbox

Home DC20 DC19 DC18

Page Discussion Edit History Delete Move Protect Watch

Vendors

Vendor Floorplan - Blank
Vendor Floorplan - Highlighted

Vendor	Requirement	Wall Jack	Patched by	VLAN	Switch Port
Printe Express	Internet				
No Starch	Internet				
HHV	Internet				
Simple Wifi	Internet				
Hak3	Internet				
Dis.org	Internet				
Breakpoint Books	Internet				
Hacker Academy	Internet				
Null Space labs	Internet				
UAT	Internet				
MBCO	Internet				
IVU	Internet				
Shadowvex	Internet				
Raspberry Pi	Internet				
John Paul Valle	Internet				
ACLU	Internet				
Ninjas	Internet				

Contests

[C&E Base Plan]
[C&E Network Plan]

Main Contest/Event Area (Rio 4-7)

Event	Requirement	Wall Jack	Patched by	VLAN	Switch Port
Wall of Sheep & Capture The Packet	1x Internet 1x SRAN-port				
Open CTF	**cancelled**				
BroCTF	1x Internet				
Project 2	1x Internet				
Info Booth	1x INFO BOOTH VLAN				
Crack Me If You Can	1x Internet				
Schemaverse	1x Internet				
Exploit Hackathon	1x Internet				
Phreaking in the 20th	1x Internet				
Pop the Boxes	1x Internet				
Scavenger Hunt	1x Internet				
HF Gear	1x Internet				
Net Forensics	1x Internet				

Other contests

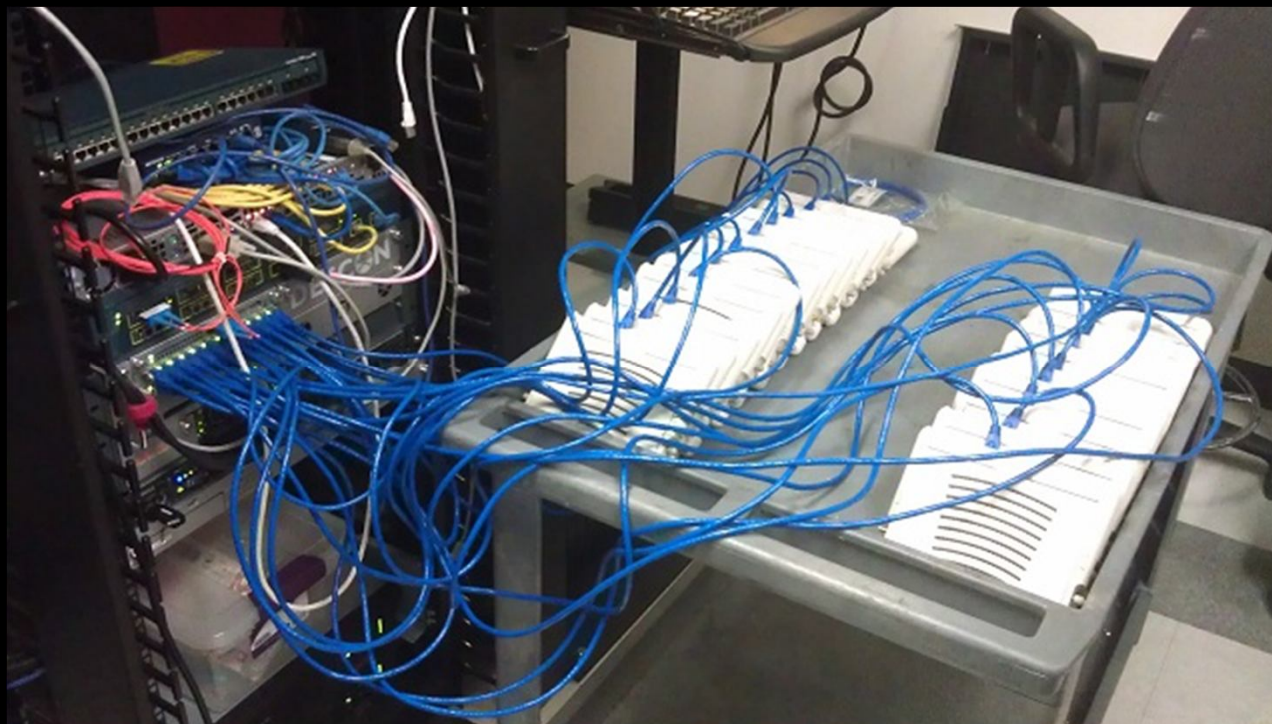
Event	Requirement	Wall Jack	Patched by	VLAN	Switch Port
HHV	SpeakerNet Rio 1				
LPV	None requested Tropical C/D/Q/H				
WiFi Village	1x Internet - up front near desk/projector Tropical A				
Crash & Compile	Single drop w/24-port switch Palma Q/H				

DefCon Staff & Operations

Team/Room	Location	Requirement	Wall Jack	Patched by	VLAN	Switch Port
Track 1	Rio B/9/10/11	Podium			SpeakerNET	
Track 2	Amazon A-F	Podium			SpeakerNET	
Track 3	Amazon G-T	Podium			SpeakerNET	
Track 4	Brasilia 1-3	Podium			SpeakerNET	
Track 5	Penn & Teller	Podium			SpeakerNET	
CTF NOC	Salva	Internet			CTFNet	
CTF (game)	Brasilia 4-7	Runs to CTF NOC (TBD)			CTFNet	
QM Stores	Coco	Internet			GoonNet	
SOC	Lambda A-C	Internet			GoonNet	
Ops	Palma C/D	Internet			GoonNet	
Dispatch	Amazon L	Internet			GoonNet	
QA-1	Tango A	Internet			SpeakerNET	
QA-2	Tango B	Internet			SpeakerNET	
QA-3	Tango C	Internet			SpeakerNET	
Speaker Ops	Conga A-C	Drop 1 w/switch - Speaker Prep Drop 2 w/switch - Goons			SpeakerNET GoonNet	
Press	Tropical B/E/F	Internet			PressNET	
InfoBooth (Coordinator)		Internet			InfoBoothNET	
InfoBooth (Rotunda by TV Wall)		Internet			InfoBoothNET	
InfoBooth (Contests (Rio 5))		Internet			InfoBoothNET	
DCTV Ops Rm	Choro	DCTV Mgmt Internet			GoonNet/DCTVNET	
Skytalks	Rio 3	Internet			SpeakerNET	
DJ/ChillOut	Miranda	Internet			Stream for Radio	
The Crystal Method	T1/RioB-11 Sat @ 1800hrs	1x 8-port Switch 3x 2ft CAT5e cables Internet TBD			TBD	

60
network drops

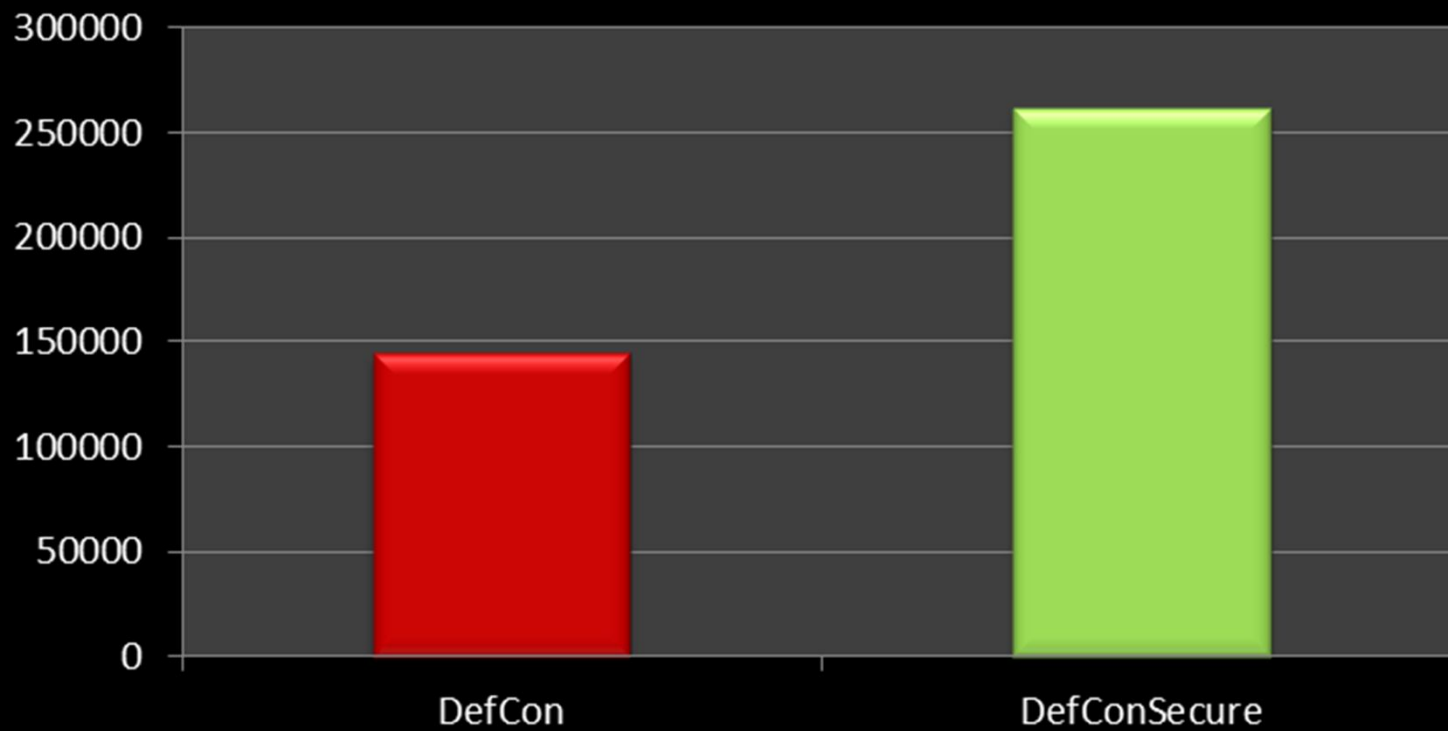




50 WiFi Access Points



SSID Associations





DEFCON (open)

144K associations
Peak 11K/hr



WiFi Secure Users

260K associations
2,427 reg'd users
1,691 unique devices
40,358 success AUTH's
(~1K/hour)

IDS points of interest

Denial of Service Attacks	372
Impersonation Attacks	127
Signature Pattern Matches	11
Policy Violations	8
Unauthorized Devices*	21

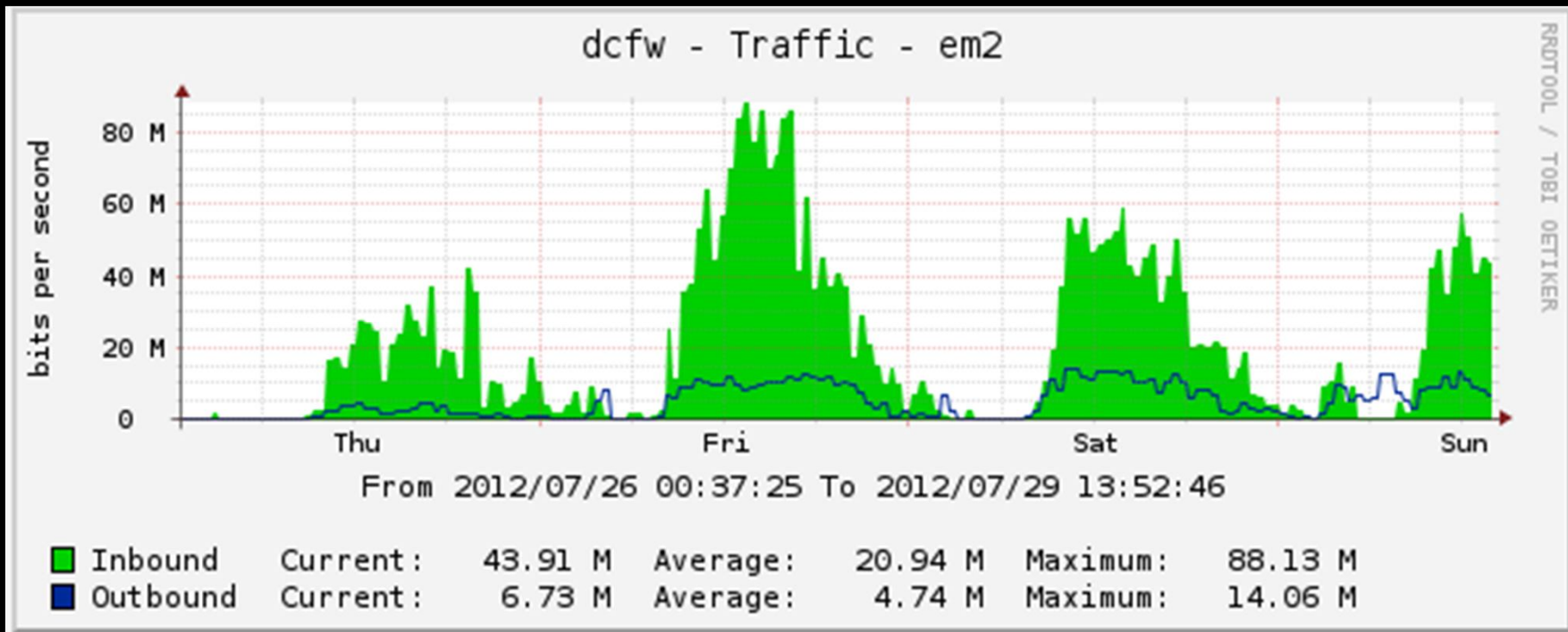
User Stats

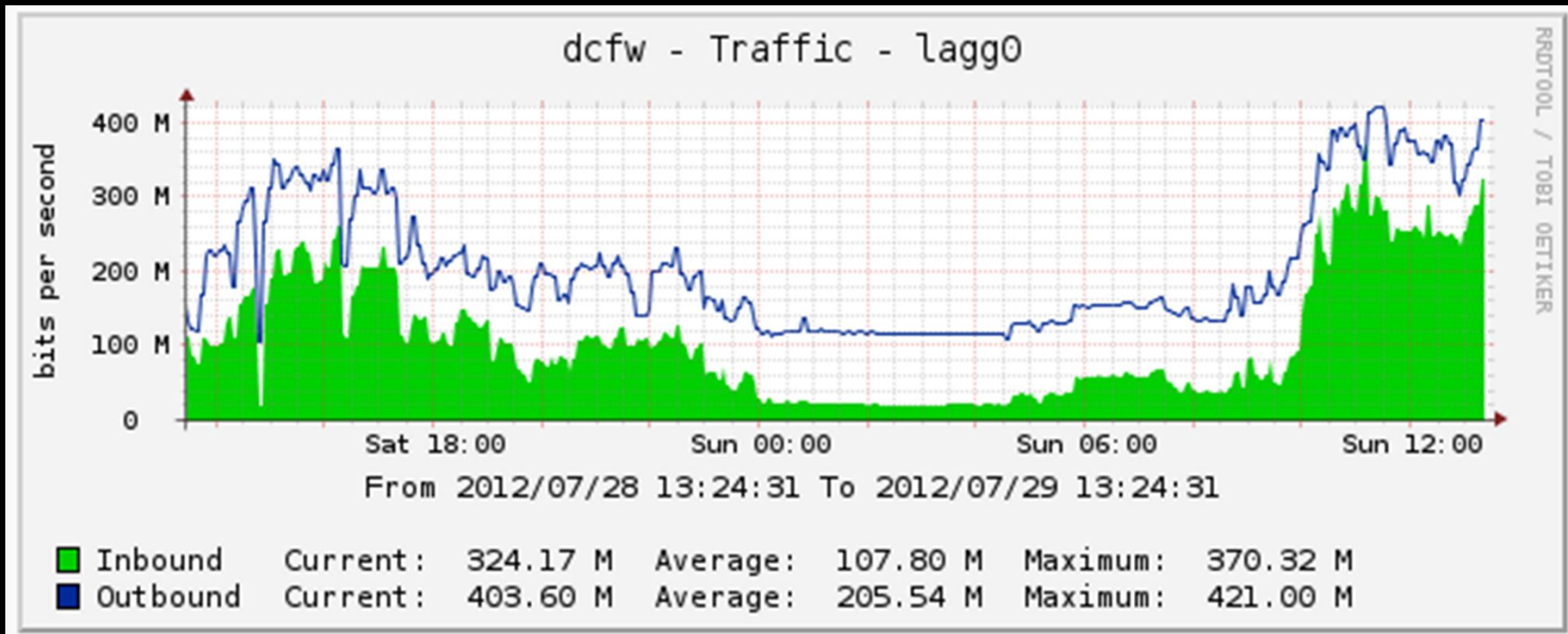
Avg Simultaneous: 600
Peak Simultaneous: 900

* Wireless bridges & ad-hoc devices



DC20 Internet Usage





DCNET peak: 421Mbps network traffic

57Mb – Internet

258Mb – DC20-MEDIA

105Mb - Other



VLAN's

Wired: 20
WiFi: 170
+NinjaTel



DHCP Leases

4,251

DC19: 500MB

DC20: 1.03TB



Full Circle

DEFCO[®]

TA Tessier-Ashpool .defcon.org



NEUROMANCER



Freeside
Communications



ftp.fc.net

DEFCO[®]

DEFCO[®]
NETWORKING



The DC20 NOC Staff

DCNET

Lockheed

Heather

Effffn

Mac

Videoman

Rukbat

T3ase

#sparky



DCTV

Rev REB

Jared

Ashley

"Interns"

Naifix

Erik2

Jared





DEF CON Networking

GET EXCITED...

DEF CON 21 !!



