NOC Report

Fasern

- Broken inhouse fiber
- Broken uplink fiber
- (Somewhat) broken patch fiber

Broken inhouse fiber

- Some say...

Broken uplink fiber

Thank you

Nameless

Versatel guy!

The Future...

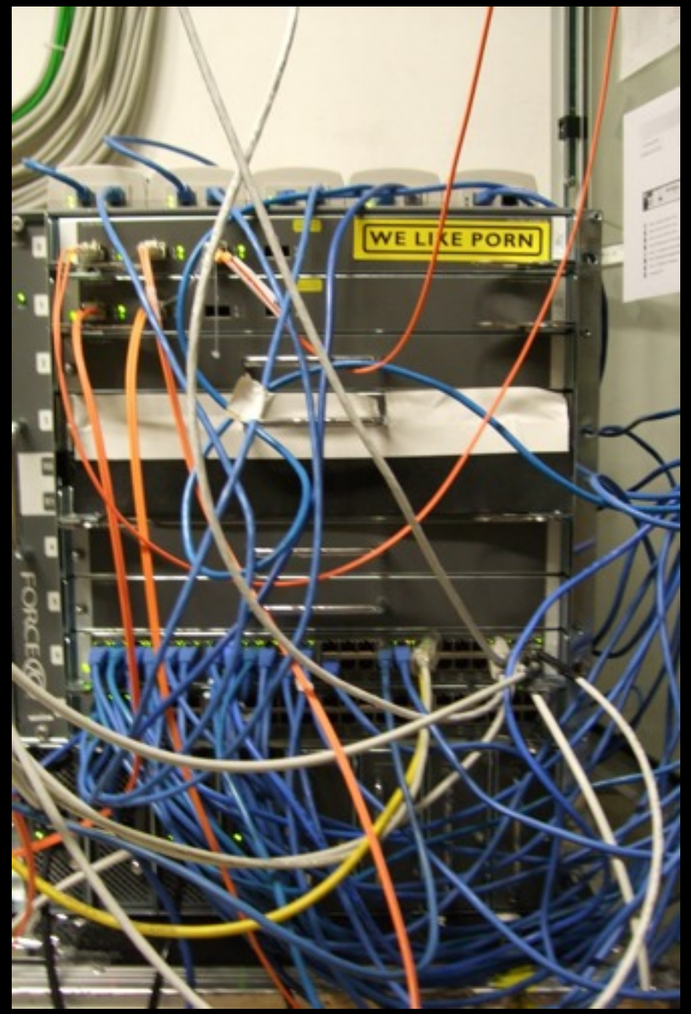
- Someone talked to someone...
- Who talked to some guy...
- Who talked to another guy...
- Who said “uh, ok”

The Future...

All new single mode fibers in the bcc for next year!

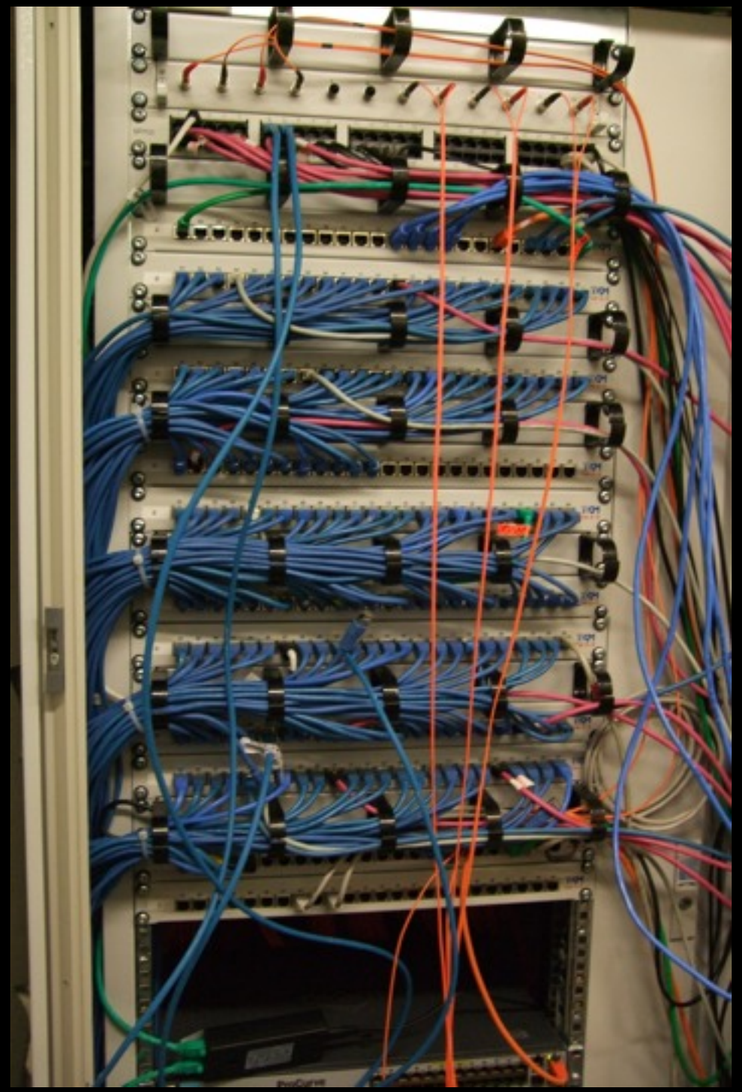
The Network

The Network

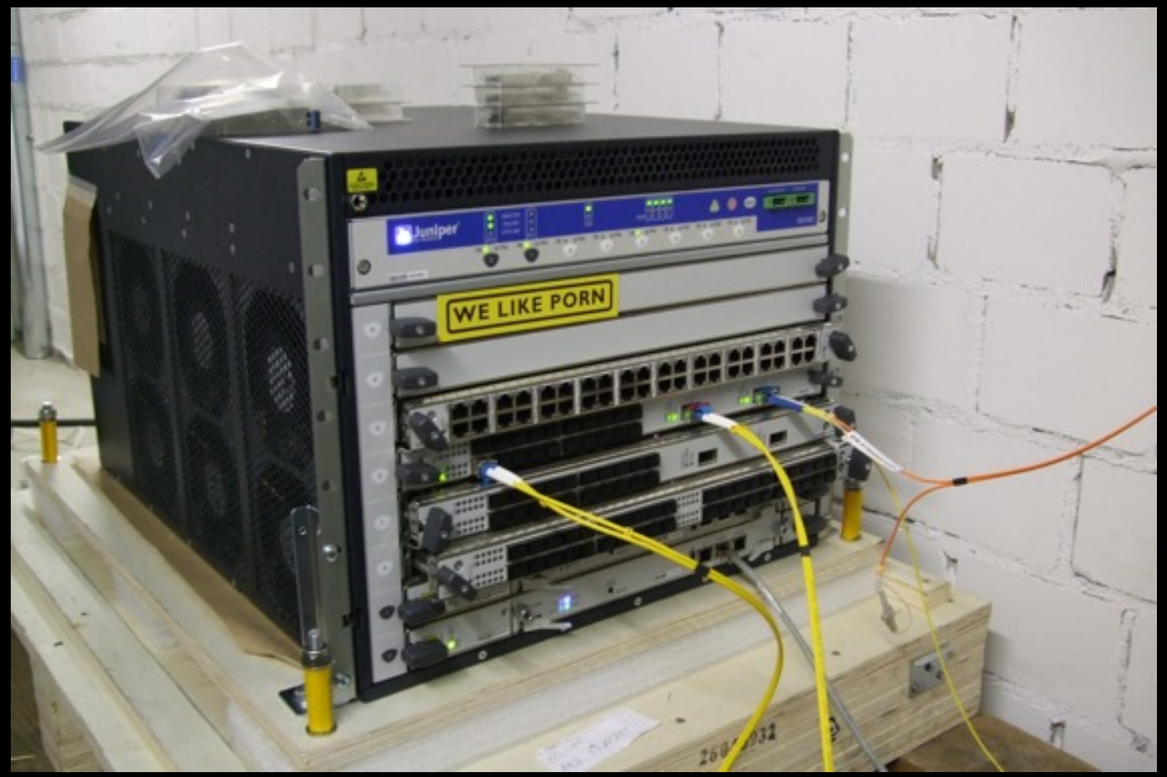


The Network

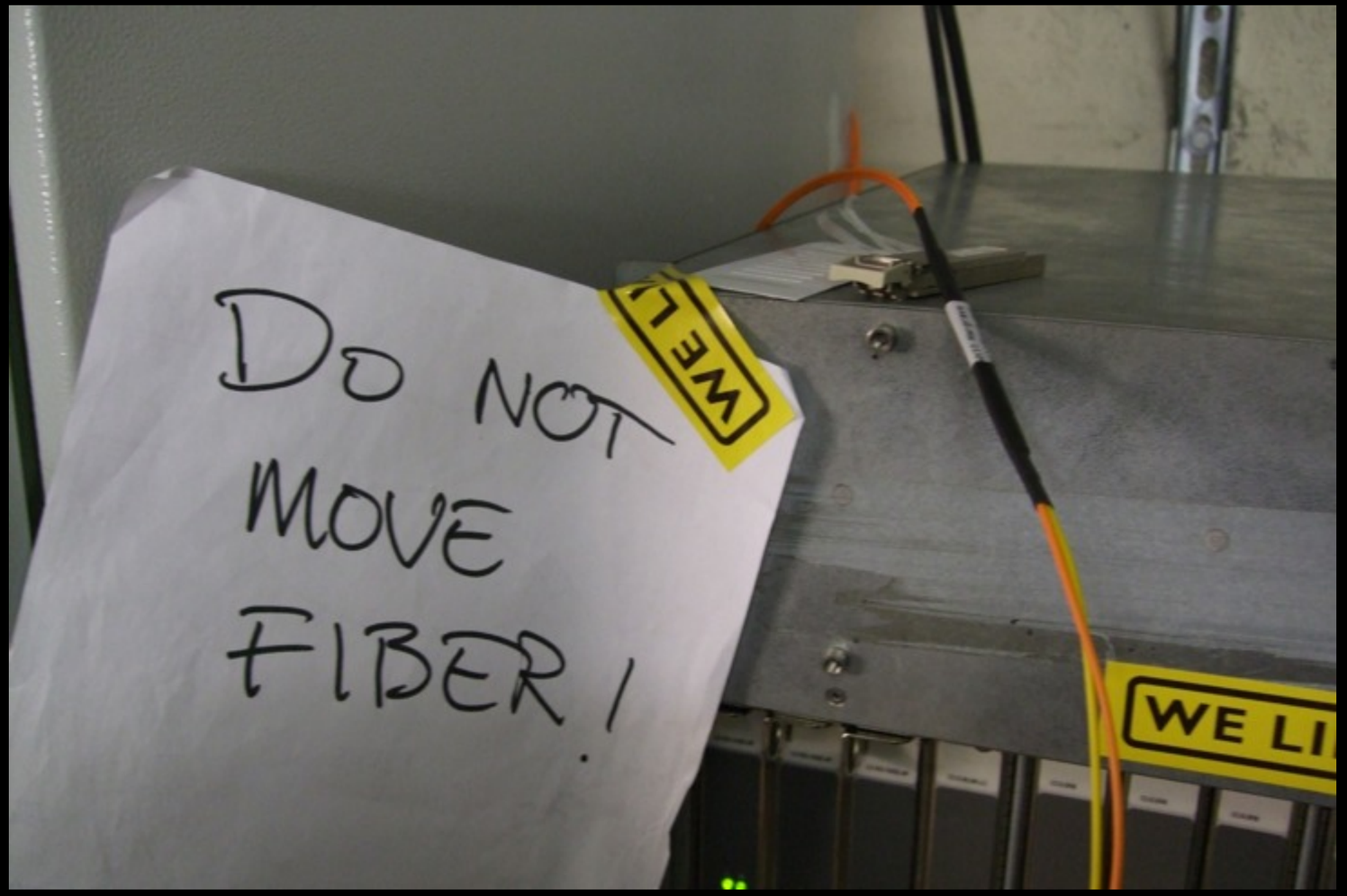
The Network



The Network



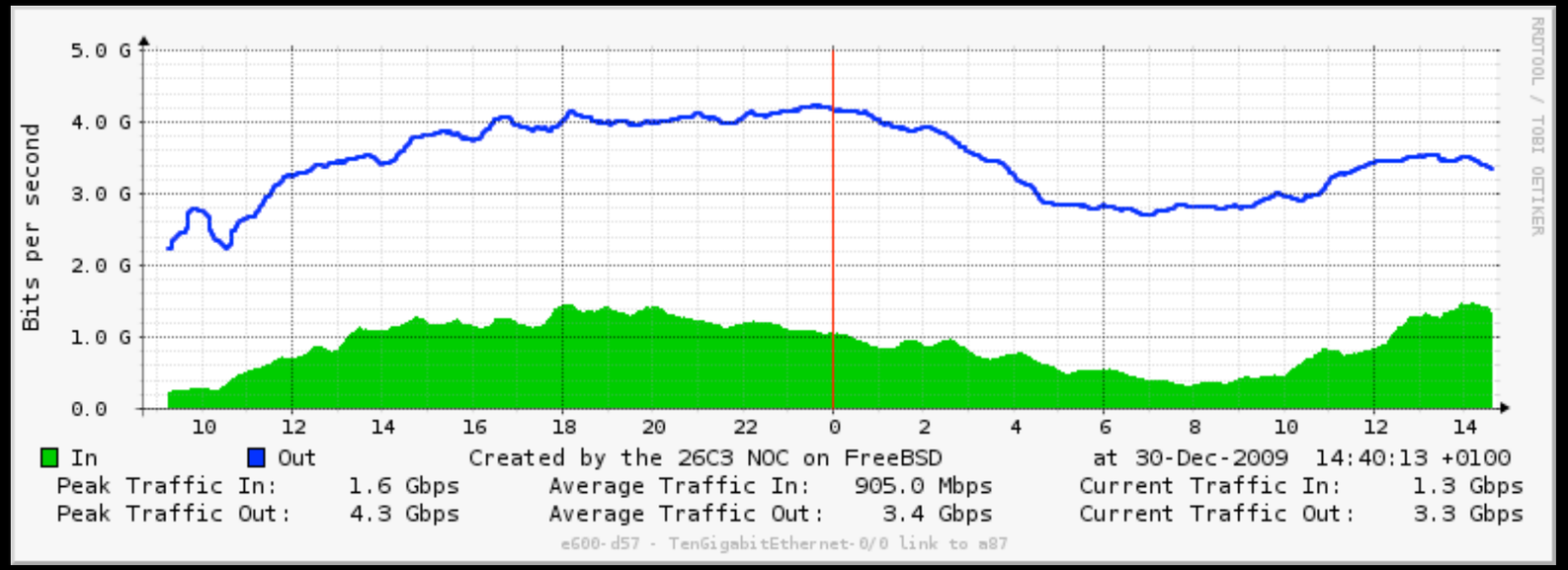
The Network



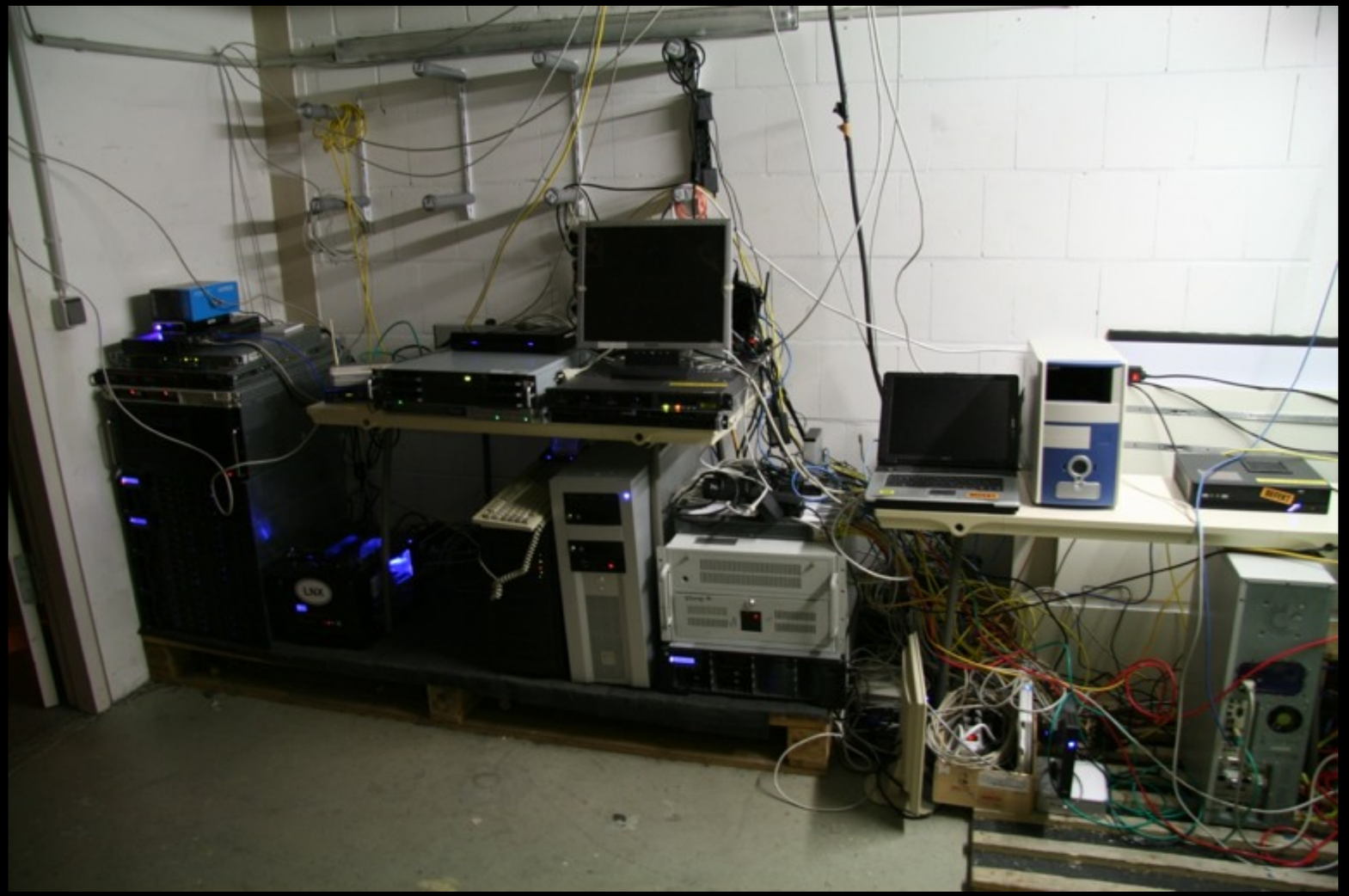
Numbers & graphs...

- 7581 unique mac addresses
- 2600 online at the same time
- WLAN
  - 4242 unique mac addresses, 1451 simultaneous
  - Full 802.11n coverage
  - Over 1 Gbit/s peak traffic

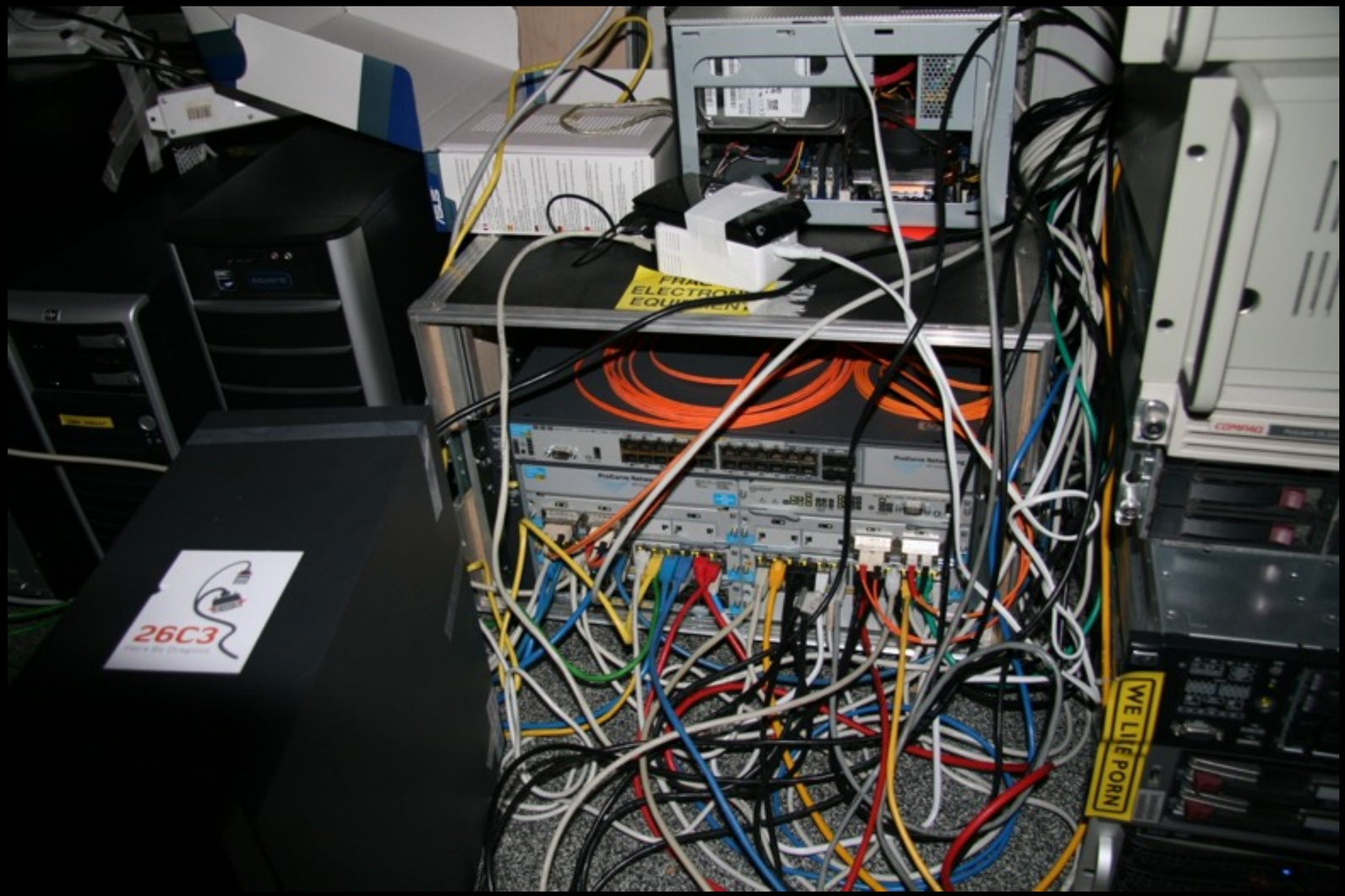
Hacker sleeping patterns



26c3 Server Hosting



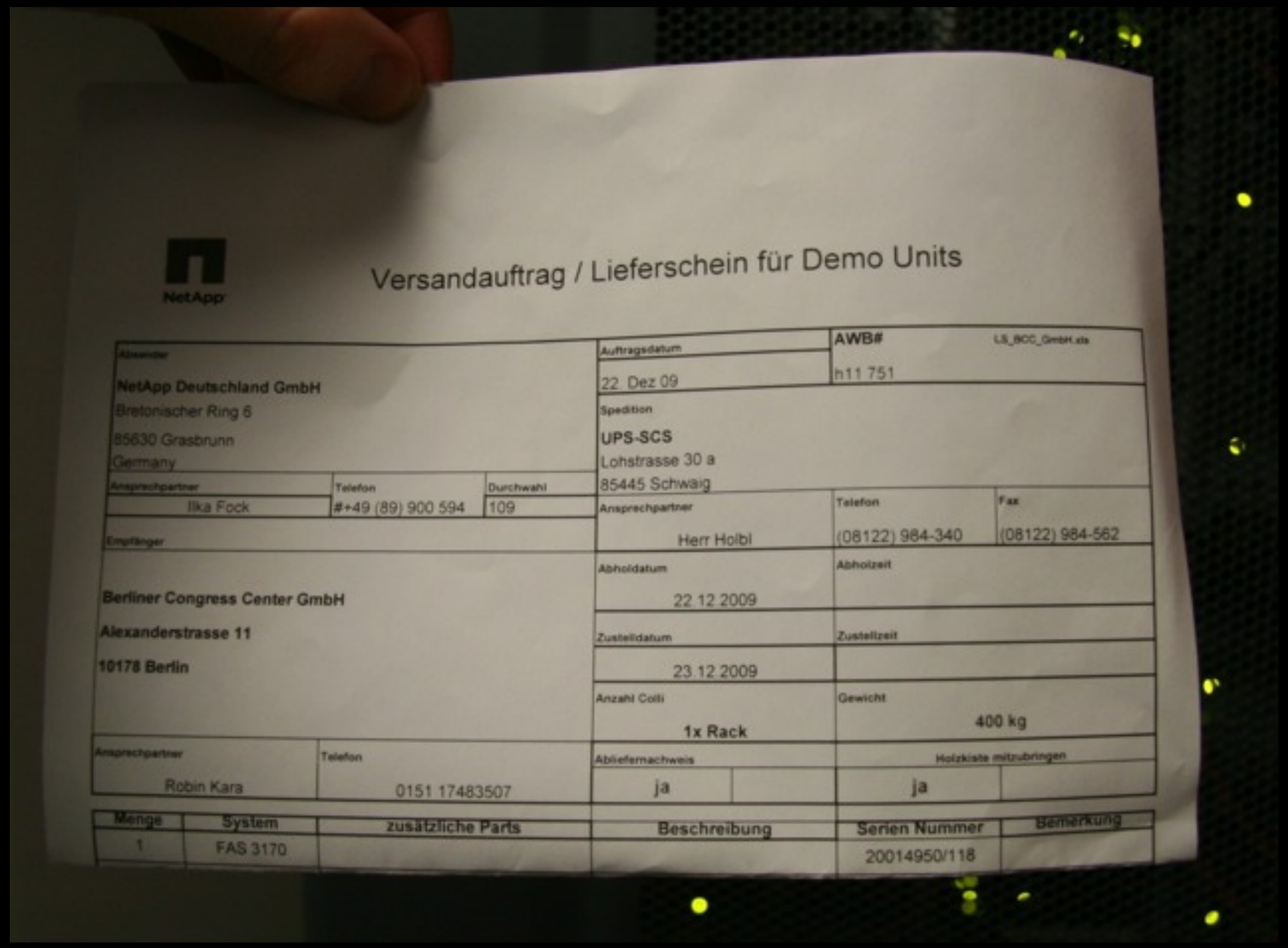
And some more...



And then some...

Photo credit: Anticimex

Ugh..



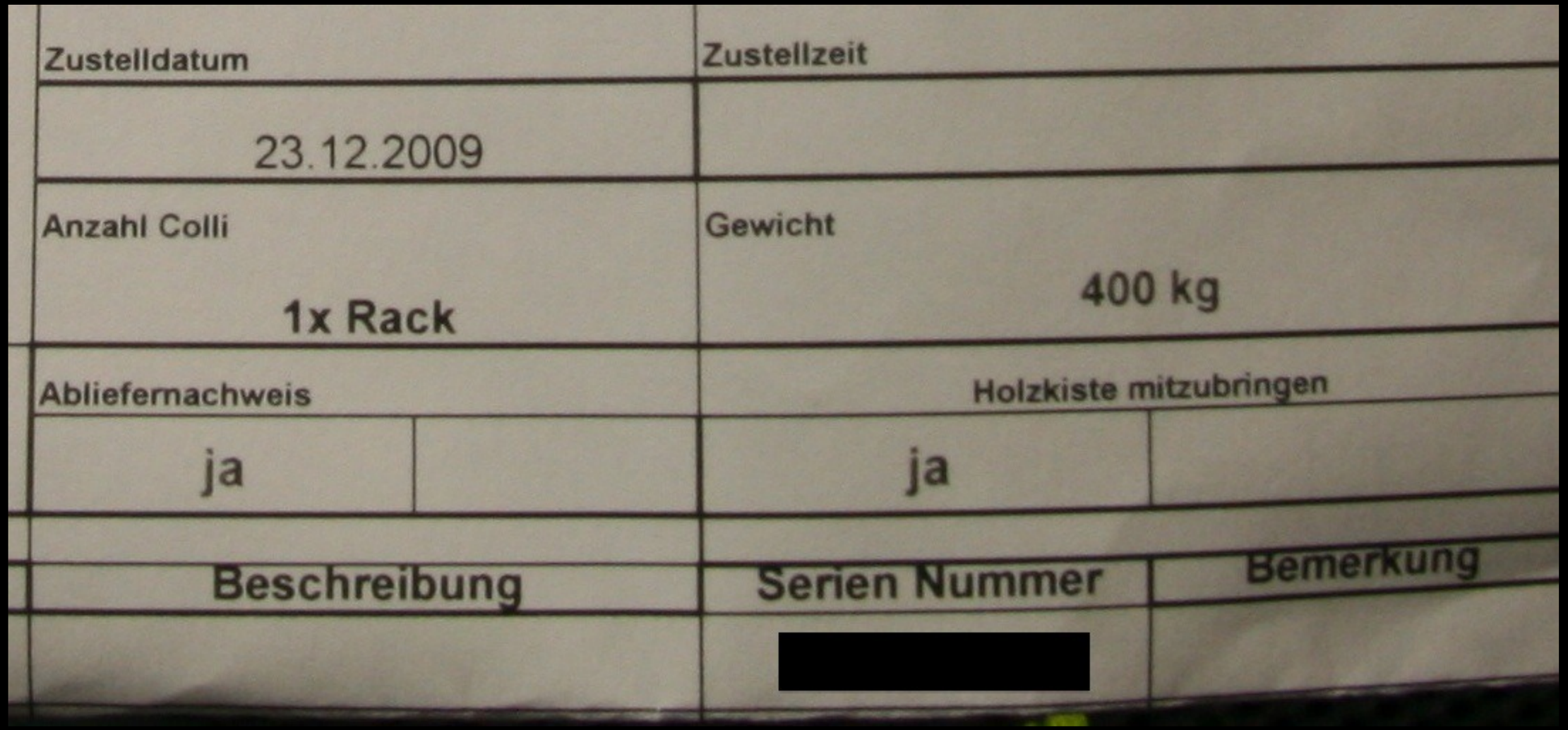
NetApp

Versandauftrag / Lieferschein für Demo Units

Absender			Auftragsdatum	AWB#	LS_BCC_GmbH.xls
NetApp Deutschland GmbH Bretonischer Ring 6 85630 Grasbrunn Germany			22. Dez 09	h11 751	
			Spedition UPS-SCS Lohstrasse 30 a 85445 Schwaig		
Ansprechpartner	Telefon	Durchwahl	Ansprechpartner	Telefon	Fax
Ilka Fock	#+49 (89) 900 594	109	Herr Holbl	(08122) 984-340	(08122) 984-562
Empfänger			Abholdatum	Abholzeit	
Berliner Congress Center GmbH Alexanderstrasse 11 10178 Berlin			22.12.2009		
			Zustelldatum	Zustellzeit	
			23.12.2009		
			Anzahl Colli	Gewicht	
			1x Rack	400 kg	
Ansprechpartner	Telefon		Abliefernachweis	Holzkiste mitzubringen	
Robin Kara	0151 17483507		ja	ja	

Menge	System	zusätzliche Parts	Beschreibung	Serien Nummer	Bemerkung
1	FAS 3170			20014950/118	

Ugh…



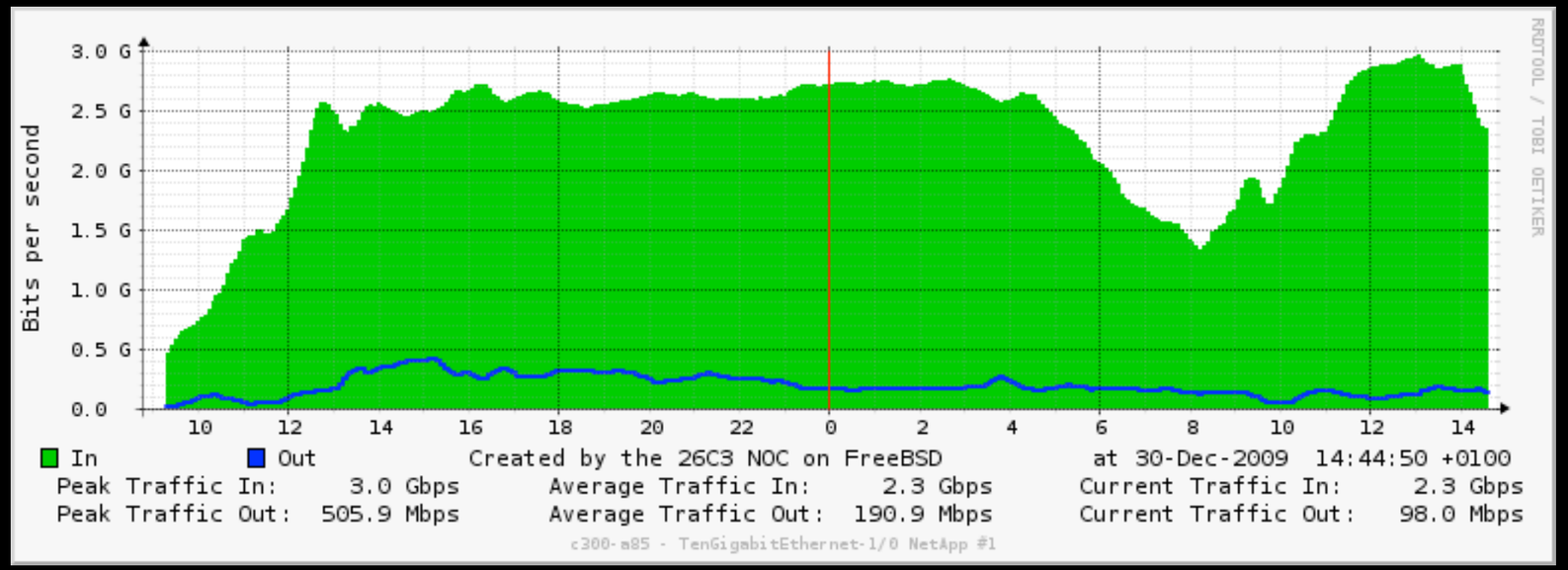
Zustelldatum	Zustellzeit
23.12.2009	
Anzahl Colli	Gewicht
1x Rack	400 kg
Abliefernachweis	Holzkiste mitzubringen
ja	ja

Beschreibung	Serien Nummer	Bemerkung
	[redacted]	

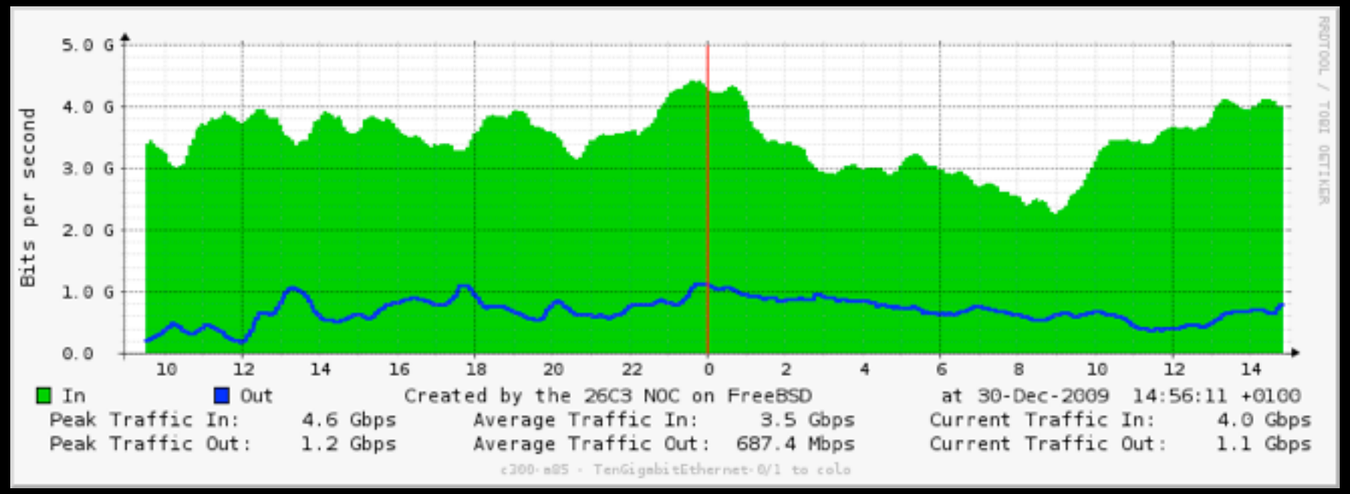
TeamIX NAS...

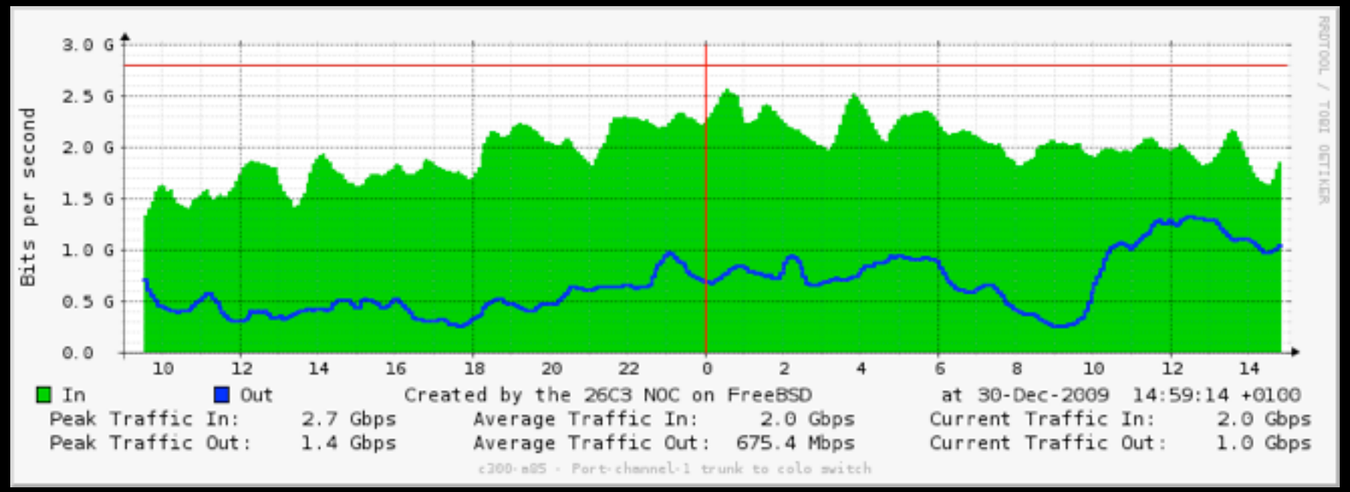
- 24 TB
- 2 x 10GbE links
- 5.1kW power
- 123 TB downloaded from the 26c3 LAN

TeamIX NAS...

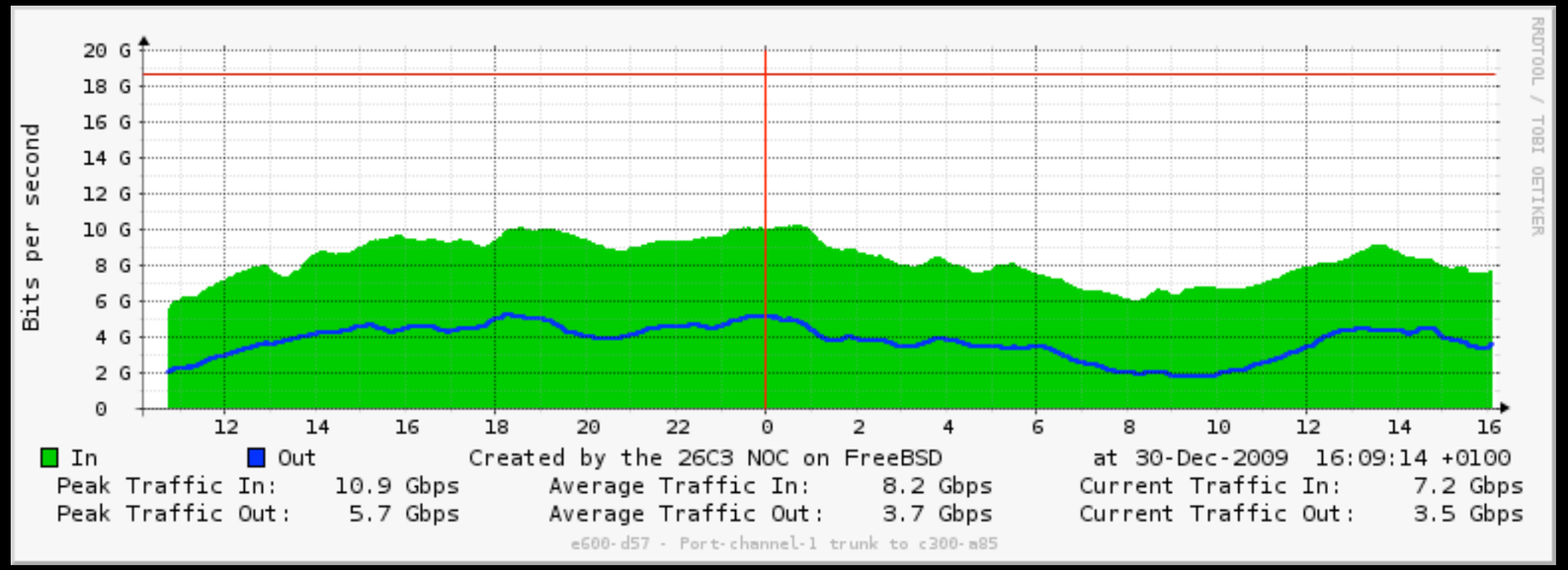

Bits per second
3.0 G
2.5 G
2.0 G
1.5 G
1.0 G
0.5 G
0.0
10
12
14
16
18
20
22
0
2
4
6
8
10
12
14
RRDTOOL / TOBI OETIKER
In
Out
Created by the 26C3 NOC on FreeBSD
at 30-Dec-2009 14:44:50 +0100
Peak Traffic In: 3.0 Gbps
Average Traffic In: 2.3 Gbps
Current Traffic In: 2.3 Gbps
Peak Traffic Out: 505.9 Mbps
Average Traffic Out: 190.9 Mbps
Current Traffic Out: 98.0 Mbps
c300-a05 - TenGigabitEthernet-1/0 NetApp #1

Server hosting...

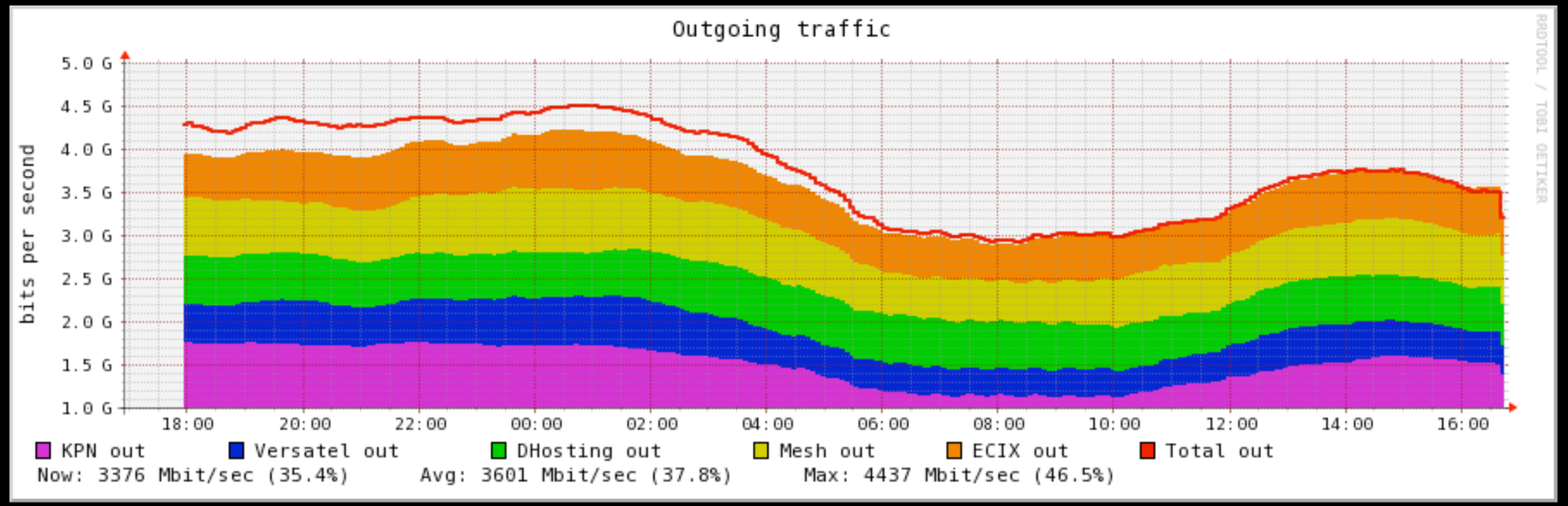




20 GbE backbone



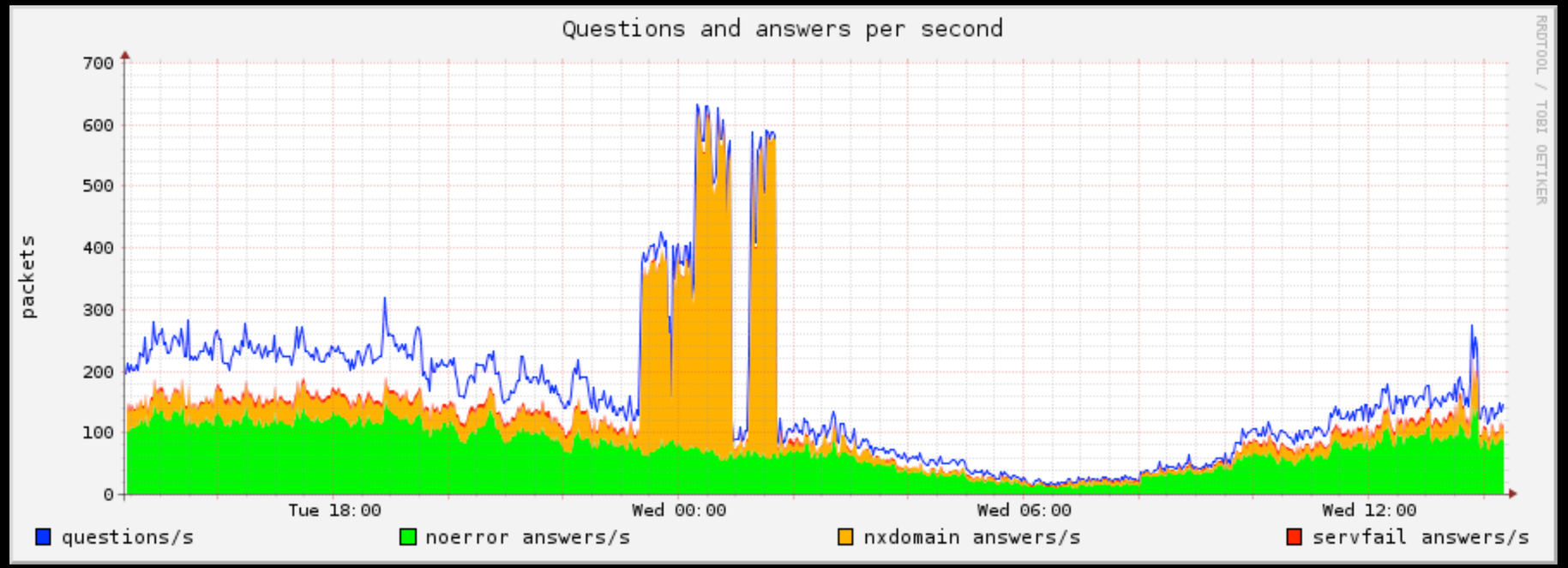
Total outgoing traffic



Where did all those packets go?

ASN	Who?	How much?!
3320	DTAG	659 mbit
29562	KabelBW	442 mbit
13184	HanseNet	387 mbit
8881	Versatel	317 mbit
31334	KabelDe	239 mbit
24940	Hetzner	218 mbit
3209	Arcor	215 mbit
680	DFN	168 mbit

DNS Queries


Questions and answers per second
packets
700
600
500
400
300
200
100
0
Tue 18:00
Wed 00:00
Wed 06:00
Wed 12:00
questions/s
noerror answers/s
nxdomain answers/s
servfail answers/s
RRDTOOL / TOBI OETIKER

Sponsors

Technically unlimited
MAS
Elektronik AG

FREE TO CHOOSE INNOVATIONS
XORO®

versatel

netsign
berlin

kpn

ECIX
european commercial
internet exchange

PEERING GmbH
EUROPE

MOTOROLA

Xantaro
SERVICE INTEGRATION

bcc
berliner congress center

mesh solutions

JUNIPER
NETWORKS

flexOptix

FORCE10
When your network is your business.

The Network Team

NOC Helpdesk

Niels

ZaphodB

Alf

Leon

Will

Frapzzt

Alex

Prom

Starbug

bounce

Swaio

Attilla

Maxim

Elisa

Roh

Marc

nibbler

Sepf

Blackwing

Hotshot

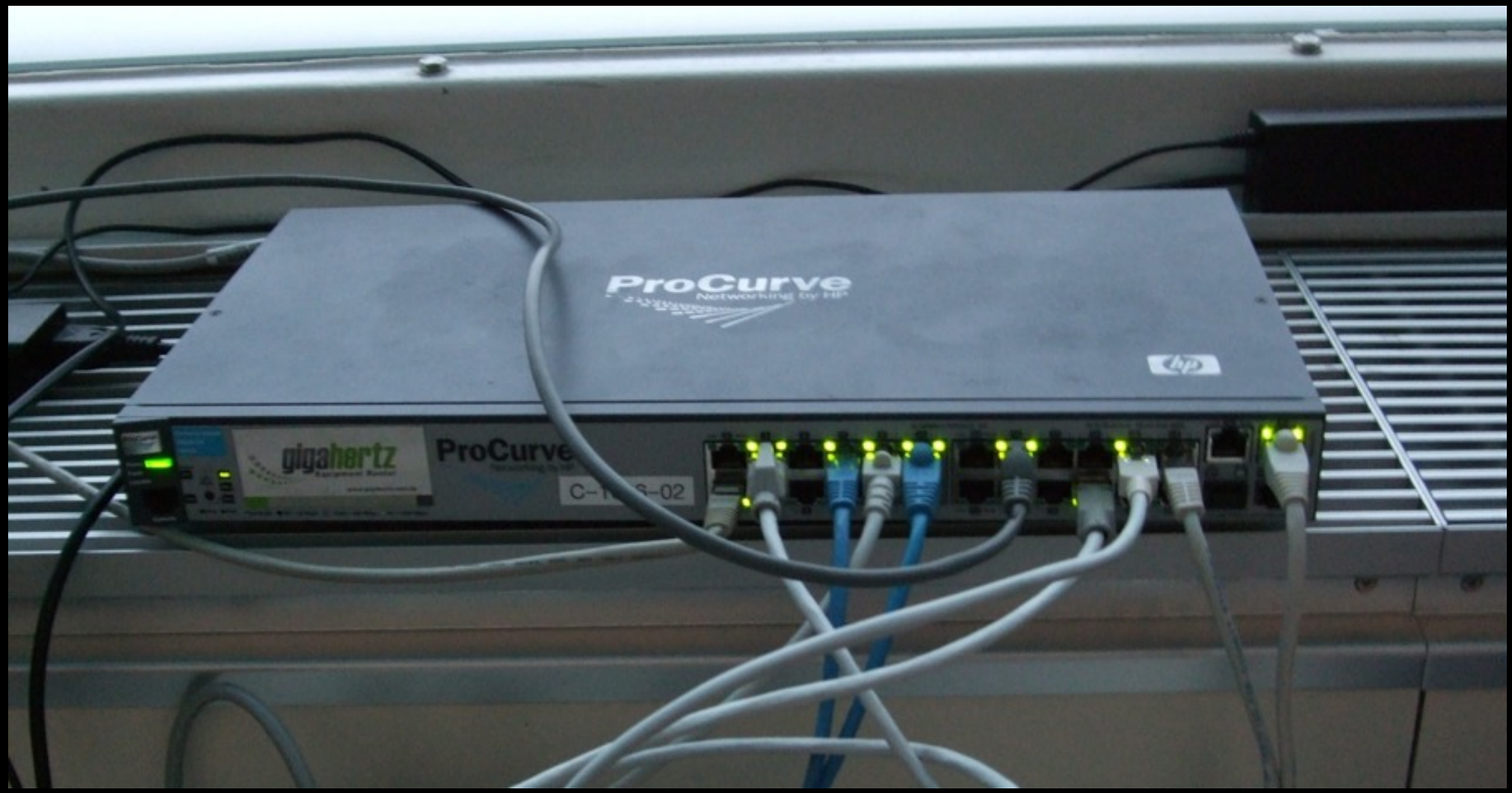
Martin

Ruben

Hacko

Phils

Mangala

Dvorak

Missing in action