

# The DNS Threats Track (a.k.a Security but not DNSSEC)

Tom Daly

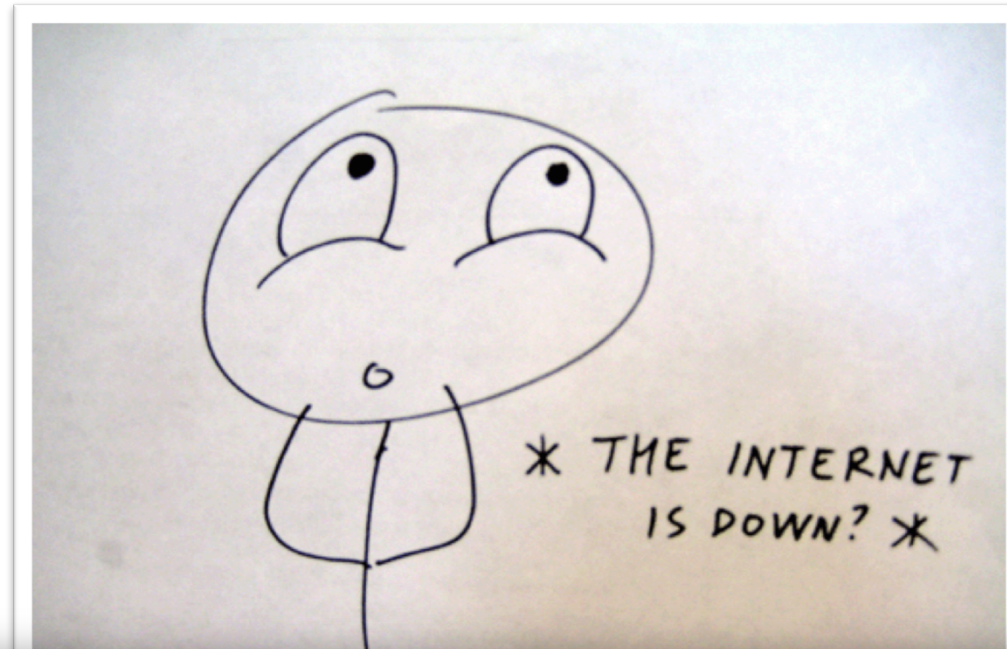
Chief Scientist, Dyn Labs

tom@dyn.com | @tomdyninc



Dyn.com | @dyninc

# Purpose



**Bring together thought leaders from the DNS operations industry to discuss current trends, concerns, and best practices. Any DNS operator is encouraged to attend this session.**

# Note on Recording



**Note: For the integrity of the DNS operations community, this session is not being recorded.**

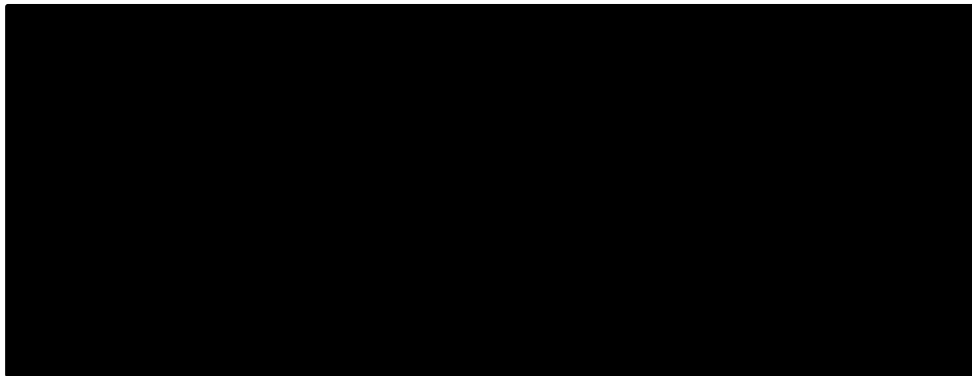
# Why are we here?

▷ User Datagram Protocol, Src Port: 12203 (12203), Dst Port: domain (53)

▽ Domain Name System (query)

[\[Response In: 212453\]](#)

Transaction ID: 0x5d8e



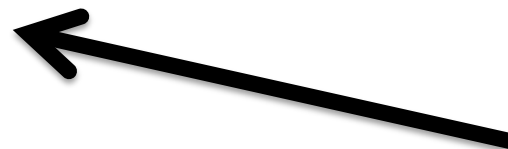
Message is a query  
Standard query (0)  
Message is not truncated  
Flag: Do query recursively  
)  
Truncated data: Unacceptable

Questions: 1  
Answer RRs: 0  
Authority RRs: 0  
Additional RRs: 0

▽ Queries



Type: ANY (Request for all records)  
Class: IN (0x0001)



Threats to  
the DNS

# Agenda

- Root Zone KSK Trust Anchor Distribution (20 mins)
  - Joe Abley – ICANN DNS Operations
- Analysis of ‘itsoknoproblemobro’ Botnet (20 mins)
  - David Fernandez – Prolexic PLXsert
  - Terrence Gareau – Prolexic PLXsert
- DNS Reflection Attacks (30 mins)
  - Michael Sinatra, ESNet
  - Chris Ganster, Comcast
  - Chip Marshall, Dyn
  - Patrick Gilmore, Akamai Technologies
- Questions and Answers (20 mins)

# Q&A

Tom Daly

Chief Scientist, Dyn Labs

tom@dyn.com | @tomdyninc



Dyn.com | @dyninc