Security and Stability Advisory Committee Summary for Public Forum

Steve Crocker
Chair, SSAC

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ICANN

San Juan, Puerto Rico

SSAC Activities this week

- Internal SSAC meeting
- SSAC Presentation to GAC
- SSAC Public Presentation
- Other interactions
  - ccNSO
  - ALAC -- Robert Guerra new Liaison to SSAC
  - DNSSEC: .PR is signed!!

SSAC Internal Meeting

- Used this session to hear from other groups
  - Anti-Phishing Working Group - Pat Cain
    - Possible DNS related practices
    - Possible role for DNSSEC
  - Spamhaus - Richard Cox
   - Fastflux -- rapid changes to A records to avoid detection

SSAC Presentation to GAC

- GAC asked for security briefing
  - GAC invited ccTLDs to join
- Overview of SSAC
- DDoS attacks
- DNSSEC

- Probably will do something similar in Oct.

Public SSAC Meeting

- Whois email work
  - Do email addresses in whois lead to spam?
  - YES

- IDN Security/Stability study
  - Still underway

Comparison of Results

Spam Over Three Months
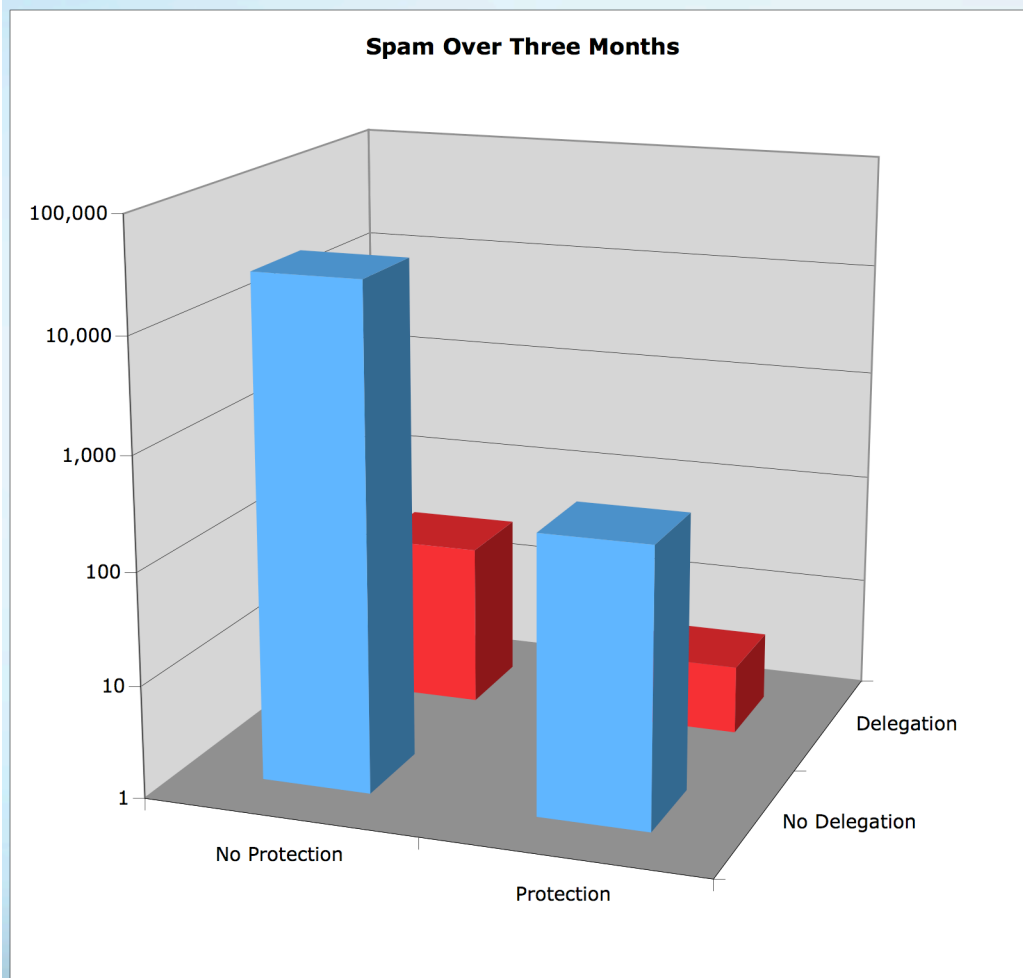
For an email address that is *not* published anywhere other than the WHOIS

- When protected-WHOIS is used, it is possible to achieve two orders of magnitude reduction in the amount of spam delivered

- When Delegated-WHOIS is used, it is possible to achieve three orders of magnitude reduction in the amount of spam delivered

- When Protected-WHOIS *and* Delegated-WHOIS are used, it is possible to achieve close to four orders of magnitude reduction in the amount of spam delivered

Estonia Attack

- Estonia
- Protests & Cyber Attacks
- Response

Estonia

- 1.4 million people
- Substantial ethnic Russian minority
- Extensive Internet use
  - Banking, voting, petrol purchase, etc.
  - 60% use Internet daily
  - "Real life" and Internet intermingled
- Only a few connections to other countries

Protests & Cyber Attacks

- Relocation of Russian statue triggered protests
  - Outside Estonia as well as inside
- Defacement and DDoS
- Attacks were dominated by bot armies
- Almost all traffic came from outside

Response

- Excellent coordination inside Estonia
  - CERT, ISPs
- Technical people and government institutions communicated, cooperated
- Help from outside
- External traffic to government stopped

SSAC Members

- Alain Aina
- Jaap Akkerhuis
- KC Claffy
- Steve Crocker, chair
- Johan Ihren
- Rodney Joffe
- Mark Kosters
- Ram Mohan
- Russ Mundy

- Frederico Neves
- Jon Peterson
- Ray Plzak, vice chair
- Mike St. Johns
- Doron Shikmoni
- Bruce Tonkin
- Paul A Vixie
- Suzanne Woolf

Others

- David Conrad - IANA General Manager

- Dave Piscitello - ICANN Fellow

- Jim Galvin - Exec

- Daniel Karrenberg - Invited Guest

- Patrik Fältström - Invited Guest

- Lyman Chapin - Invited Guest

- Rajashekhar Ramaraj - Invited Guest

- Stefano Trumpy - GAC Liaison

- Olaf Kolkman - IAB Point of Contact

- Robert Guerra - ALAC Liaison