SPAM: An Unavoidable Nightmare?

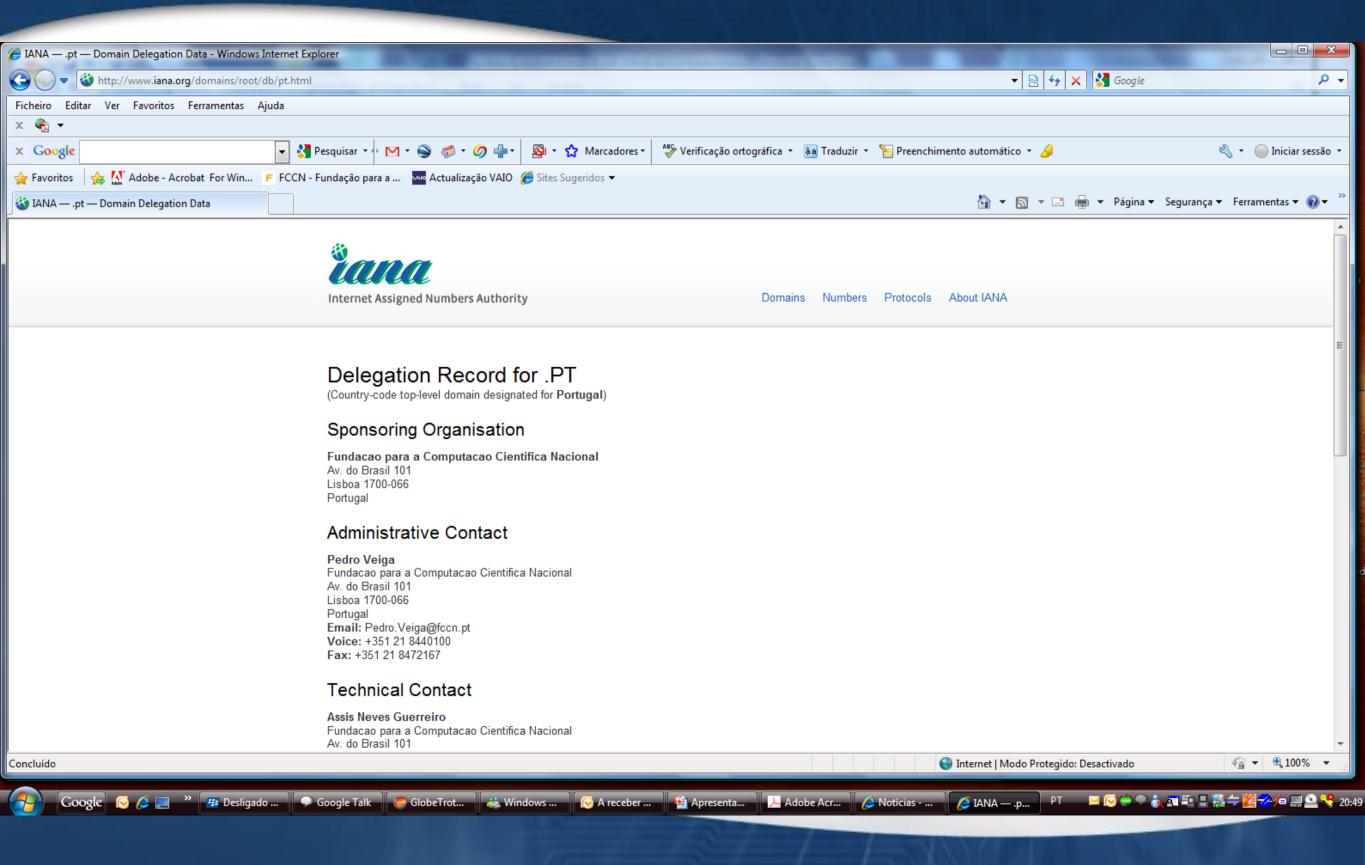Pedro Veiga

- Why this title?

- FCCN

- Cooperation to Fight SPAM

- The Role of Technology

- Final Remarks

IANA — .pt — Domain Delegation Data - Windows Internet Explorer

http://www.iana.org/domains/root/db/pt.html

Google

Ficheiro   Editar   Ver   Favoritos   Ferramentas   Ajuda

Google   Pesquisar   M   Marcadores   Verificação ortográfica   Traduzir   Preenchimento automático   Iniciar sessão

Favoritos   Adobe - Acrobat For Win...   FCCN - Fundação para a ...   Actualização VAIO   Sites Sugeridos

IANA — .pt — Domain Delegation Data   Página   Segurança   Ferramentas

iana
Internet Assigned Numbers Authority

Domains   Numbers   Protocols   About IANA

Delegation Record for .PT

(Country-code top-level domain designated for **Portugal**)

Sponsoring Organisation

Fundacao para a Computacao Cientifica Nacional
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Concluído   Internet | Modo Protegido: Desactivado   100%

Google   Desligado ...   Google Talk   GlobeTrot...   Windows ...   A receber ...   Apresenta...   Adobe Acr...   Notícias - ...   IANA — .p...   PT   20:49

- The Portuguese Research and Education Network
  - 1.000km of owned dark fibre
  - Capacity to switch 80 lambdas in 12 switching locations (6+6)
  - 10 Gbps for Higher Education Institutions where dark fibre is available
- 450.000 User
- Schools: >1.5M Users

Nós principais
Nós secundários activos
Nós secundários passivos

- Registry for .PT
  - 300.000 domains
  - DNSSEC implemented around 1 year ago and open to all domain name holders since last week

- GigaPIX
  - Gigabit Portuguese Internet eXchange

- CERT.PT
  - First CERT in Portugal
  - Training

- ISP Forum

- First meeting mid 2004
    - Discuss SPAM control techniques at each ISP
    - SPF, Bandwidth Throttling, Blacklists, …
    - Difficulties in blocking customers!
    - 7 meetings
- Formal relationships – 2007
- Creation of capacity to handle security incidents

- Statistical data on security incidents

- Information exchange

- Mutual cooperation

    – Identification of points-of-contact

- Build a Central system to exchange Blacklists?

    – Everything well, until …

- "Legal Technology"?
  - Lack of knowledge (and will?)
  - High finantial losses (phishing, pharming) will lead to a change?
- Client-side solutions
  - Filters / Rules
  - Does not reduce SPAM traffic in the network
  - Does not reduce load in the servers
- Server-side solutions
  - Rely on blacklists
  - "Smart" message inspection

- IPv6 (Authentication headers)

- DNSSEC

- Technology can help but …

- In any area to introduce security:
  - It costs resources and money
  - Requires a change in procedures / practices
  - Requires training
  - …

- I think our mail technology has to evolve