.PT BACKGROUND

FRAMEWORK TO ADDRESS DNS ABUSE AT .PT

CHALLENGES
• Team of 23 people
• 105 registrars
• +1,400,000 domain names
• 25% growth
Which categories of DNS Abuse does your ccTLD identify?

Our definition:

“Domain name that supports, intentionally or unintentionally, activities of malware dissemination, phishing, pharming, botnets and spam” (line i) of the Glossary of the .pt Terms & Conditions).

Five broad categories:
malware, botnets, phishing, pharming and spam.

DNS Abuse as technical abuse.
Which detection methods does your ccTLD use?

Preventive measures:
Data validation: periodic checks of the domain registration data.

Proactive measures
- Security Operations Center (SOC)
- Registry Office Abuse Manager
- Abuse@dns.pt

Lifecycle of an abusive domain at .PT

1. DNS Abuse domain name → Data validation → Registrant/Registrar notification → Communication to national authority
2. Inaccurate data = domain deletion → They may or may not act → Might order the domain deletion
What type of enforcement does your ccTLD adopt?

What are we subject to?

- pt Terms & Conditions: procedure to deal with domains used for DNS Abuse purposes
- .PT bylaws
- Law
- Operator of essential services under the NIS Directive and Law 46/2018

A domain name is immediately deleted/suspended when .PT is notified to do so by a court or an entity with legal powers for this purpose.
What is the impact on the operation of your ccTLD? 

- DNS Abuse: 32
- Phishing: 20
- Malware: 1

1, 2
Challenges

- An uniform definition of DNS Abuse and its scope;
- An uniform action plan to deal with DNS Abuse;
- In light of the NIS 2 proposal:
  - a clear purpose limitation to the data accuracy obligation;
  - a clear definition of “relevant information” to identify domain holders (administrative contacts);
  - identification of “legitimate access seekers”
- Reinforce collaboration between law enforcement and other competent authorities and interested parties in order to create a wide level of cybersecurity at the DNS level;
- Raise effective awareness within our communities to the issue of DNS Abuse.
Don’t want to know...

That is not an option!
Thank You!
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