APWG and e-la Caixa CSIRT

The role of the CERTs/CSIRTs in the accelerated domain suspension plan
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e-la Caixa CSIRT

- **Team information**
  - Official Team Name: e-la Caixa CSIRT
  - Membership Type: Full Member
  - Date of establishment: March 29th, 2005

- **Constituency**
  - The constituency of the CSIRT is the electronic channel of the savings bank, “la Caixa”: e-la Caixa S.A. and its customers.

- **Team contact information**
  - E-mail address: GE_e_CSIRT at elacaixa.com
  - Telephone number: +34 93 404 65 72
  - [http://www.first.org/members/teams/e-lc_csirt/](http://www.first.org/members/teams/e-lc_csirt/)
**e-la Caixa CSIRT**

- **Team Structure**
  - Steering Committee: 5 members
  - Incident Response: 11 members
  - Profiles: Information Security, Law Enforcement, Lawyers, Computer Linguists, etc.

- **Incident Response**
  - Phishing, Fast-Flux Phishing and Rock Phishing
  - Malware
  - 419 Scam
  - Trademark Abuse
  - All other threat coming from the Internet

- **Compliance**
  - Certified with ISO/IEC 27001
APWG

- Created in 2004
- The Anti-Phishing Working Group (APWG) is an industry association focused on eliminating the identity theft and fraud that result from the growing problem of phishing and email spoofing. The organization provides a forum to discuss phishing issues and evaluations of potential technology solutions, and access to a centralized repository of phishing attacks.
- Mr. Foy Shiver will widely explain about the APWG and APWG activities on his presentation this afternoon.
Justification: Conclusions from the global phishing survey conducted by Greg Aaron and Rod Rasmussen (CECOS III Barcelona)

- Phishers move from registrar to registrar, and TDL to TLD to exploit the best phishing “holes”
- Moving away from IP-based phishing.
- The amount of Internet names and numbers for phishing has remained fairly steady over the past two years.
- Sub domain registration services are nearly as abused as standard domain registrars
- Malicious registrations > 18%
- Phishers are happy to use any domain name
- Registry anti-abuse programs have an effect
The group: APWG Internet Policy Committee IPC

• **Goal**
  Ensure anti-phishing concerns are represented during the creation or modification of Internet policies.

• **91 members**
  – Registries and registrars
  – ISPs
  – CERTs
  – Law enforcement
  – Brand Owners
  – Vendors
  – Academia
The plan: Accelerated Suspension Plan

- To fight criminal registration of domain names.
- Covers domains registered with the intention of performing a criminal attack or action.
- Involves registries and registrars in a well-defined, accredited process with a final goal to suspend fraudulent domains.
- The model is being discussed within the APWG IPC, ICANN, registries and other key players.
- Started development a year ago with Asia registry.
- Other registries .org, .info have established regulations to fight criminal domains and are included in this development process.
- Model is based on process designed by the APWG
- Domains eligible for suspension include:
  - Must be registered in the TLD of a participating registry
  - Involved in a current phishing attack or host Malware that steals personal information
- Eligible domains do not include those in use for legitimate internet activities, yet also in current use for phishing or Malware distribution. (Phish site hosted under a legitimate domain).
The plan: Accelerated Suspension Plan II

Becoming a Takedown Entity

- Qualified Takedown Entity applies for credentials from APWG
- APWG verifies entity
- APWG issues credentials to secure contact system

Takedown Process

- Accredited takedown entity identifies phishing domain
- Entity contacts registrant, registrar, registry, and ISP to notify them of phishing site
- 2 hours elapses with no response from registrant or registrar
- Takedown entity contacts registry about suspending site
- Registry suspends phish domain and notifies registrant of appeal procedures

- APWG accredited entities
- Special, secure communications to registry
- Standard process leading to rapid suspension of domain
- Appeal process and penalties for mistakes
REQUIREMENTS (still in Draft stage)

- Accredited by the APWG: accreditation efforts are designed to mitigate likelihood of abuse or negligence of the domain eligibility criteria and/or suspension process.
  - Accreditation criteria and process.
- Entities to apply:
  - Corporations with their own anti-phishing units
  - Third party providers that perform anti-phishing services
  - Experts in security: CERTS & CSIRTs
  - Others
- Basic concepts
  - Entity qualified: to properly qualify a site as a phishing site eligible for suspension process according to the domain eligibility criteria.
  - Experienced: By providing a history of successful anti-phishing services
  - Insured: Maintains commercial liability and/or professional liability insurance with a minimum limits to be defined.
ACCREDITED ENTITIES and the CERTS and CSIRTs

- Within those ACCREDITED ENTITIES the CERTs and CSIRTs can play an important role.
- Experts on security, the majority dealing with phishing and Malware since the beginning.
- Can easily identify a Phish site.
- Can easily identify and describe an Internet infrastructure designed to maintain Malware in activity such as the download site/domain, the receiving stolen data place, etc.
- The credibility coming from a CERT/CSIRT is a high value
- Is a long time experienced entity in Internet security matters.
- Can be easily insured to play the role.
- We hope to encourage all FIRST members to join the initiative and help to create a ‘cleaner’ Internet
Q & A
Thank you