Neustar Solutions and Services.

Neustar is both an Administrator of country code Top-Level Domains (ccTLDs) and a Registry Operator of generic TLDs (gTLDs)

Neustar provides Registry backend services for ~250 other TLDs

- ‘country code’ TLDs like .in
- ‘generic’ TLDs such as buzz, .travel, .club
- ‘city’ TLDs such as .nyc, .taipai, .melbourne and .sydney
- ‘brand’ TLDs such as .ibm, .barclays and .nike

We have over 15 million domain names under management managed on infrastructure located throughout the Americas, Europe, Africa, Asia, Oceania and the Middle East

Over 500 Registrars around the globe connect to the Neustar Registry
Neustar Solutions and Services.

Neustar has designed and operates a leading registry security service, the Registry Threat Mitigation Service (RTMS)

Our RTMS platform protects TLDs through a centralized security threat detection, investigation and reporting system. Once security threat activity is identified, alerts are generated within the platform

- Each alert is investigated using the platform and supporting systems
- The progress and results of which are tracked through the platform, with detailed audit logs
- Alerts are also archived for future retrieval and review

RTMS proactively scans and receives security feeds from trusted industry security organizations to keep malicious actors out of the registry namespace

The RTMS team also review and process security threat reports from third parties
Neustar Solutions and Services.

In addition to our Registry services Neustar has an extensive security services operation.

Neustar has

- The largest DDoS mitigation network in the world with our always-on cloud based DDoS protection boasting 10 terabit per second of capacity over 30 global nodes.
- A world leading DNS service to help businesses facilitate and protect their online presence.
- A dedicated Security Operations and Network operations Centre with a 24/7 expert team supported by proprietary threat intelligence capabilities.
Neustar Policy & Compliance.

Neustar is both reactive and proactive in addressing policy related issues, we have introduced policy and procedures to address abuse, including those related to the illegal sale of pharmaceuticals and opioids.

Reactive reviews
- Receive and investigate reports from third parties such as the FDA, law enforcement and the general public.

Proactive
- Use advanced search tools to review domain name labels containing certain keywords, such as “opioid”, “steroid”, “tramadol” etc.
- Flag domain names for further investigations.
The usTLD has an extensive Acceptable Use Policy that among other things prohibits the sale and distribution of pharmaceuticals and activity contrary to U.S. law.

- This blanket prohibition facilitates enforcement in the usTLD but may not be appropriate in globally focused domains.

In addition, the usTLD has a strong Nexus Policy that, coupled with the WHOIS Accuracy Program, provides us with methods to investigate and review domain name registrants.

- As the usTLD Administrator, Neustar selects a random sample of a minimum of 1-3% of its newly created domain names each month to review the Nexus conditions.
- The WHOIS Accuracy Program requires an annual confirmation of information contained in the Registry database similar to ICANN-led TLDs; and also a random sampling of the entire database to ensure compliance.

As a responsible Administrator and Registry Operator, Neustar is in the process of reviewing the policy of all Neustar run TLDs where we are the Registry Operator or provide Registry services to third parties to ensure consistency of approach and mitigation of abuse.

- Where we provide Registry services, the Registry Operator – and not Neustar – controls TLD policy.
Case Study 1 – Proactive approach in the usTLD.

Neustar recently conducted a proactive review of the usTLD.

The review included domain names with certain keywords in the domain name string related to pharmaceuticals resulted in an initial grouping of over 500 domain names.

From this review six websites were identified that appeared to be offering pharmaceuticals, including opioids and steroids, or offering advice on how to purchase medications without prescription, in violation of the usTLD’s AUP.

These domain names were referred to our abuse team for further investigation.

As a result of these investigations these domain names were placed on ‘serverHold,’ removing them from the DNS.
.biz Policy.

The .biz TLD has Registration Rules & Standards that deals with activity contrary to U.S. law, including among other things

- Technical abuse, such as phishing, pharming, dissemination of malware etc.
- Activities that promote, encourage or engage in terrorism or violence against people, animals, or property
- Child exploitation
- Other violations of US law

.biz also implements a Rapid Domain Compliance Process, which

- Helps mitigate policy infractions and illegal activity in a timely fashion
- Takedown efforts are executed within a maximum of 24 hours, depending on the issue
Case Study 2. Reactive Approach in the .biz TLD.

FDA contacted and advised Neustar that there were three domain names for which they had sent warning letters to Registrars.

These letters advised that the domain names were being used to illegally distribute pharmaceuticals.

The FDA referred the issue to Neustar because the Registrars had not taken any action to date.

As a result of these discussions and review by Neustar in accordance with its policies, the domain names were placed on ‘serverHold’ removing them from the DNS.
Thank You!

www.registry.neustar

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