

New gTLDs – a threat to ccTLDs – not really but.....

Issues to think about!

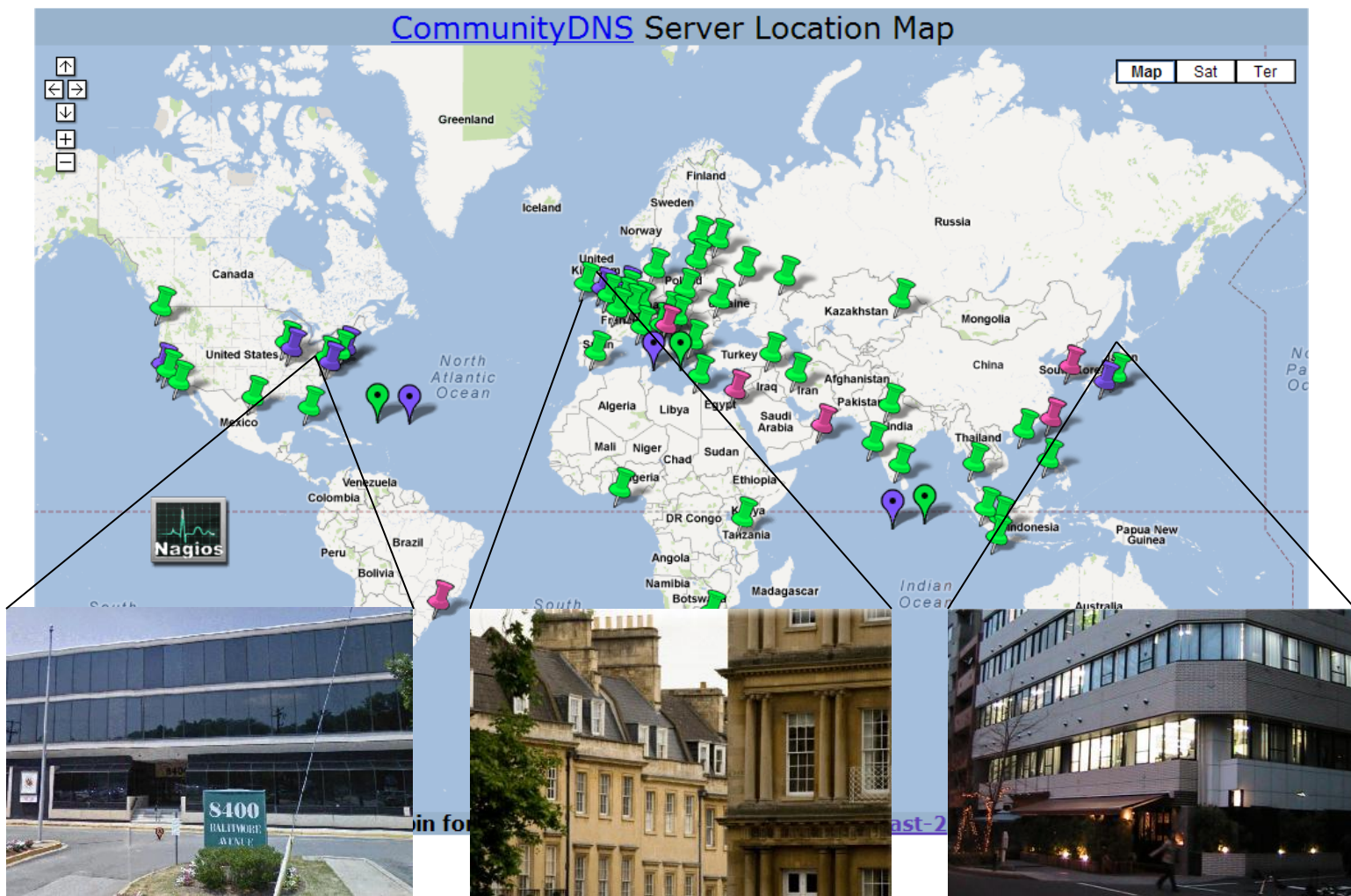
5th International Conference for ccTLDs and Registrars of
CIS, Central and Eastern Europe
12th – 13th September 2012



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Locations - <http://www.cdns.net/map/>



Command and Control: Washington DC, USA; Bath, UK; Tokyo, JP

Monitoring Locations: Chicago, USA; Buenos Aires, Argentina; London, UK; Tokyo, JP.

Get ready – DDoS attackers are coming!

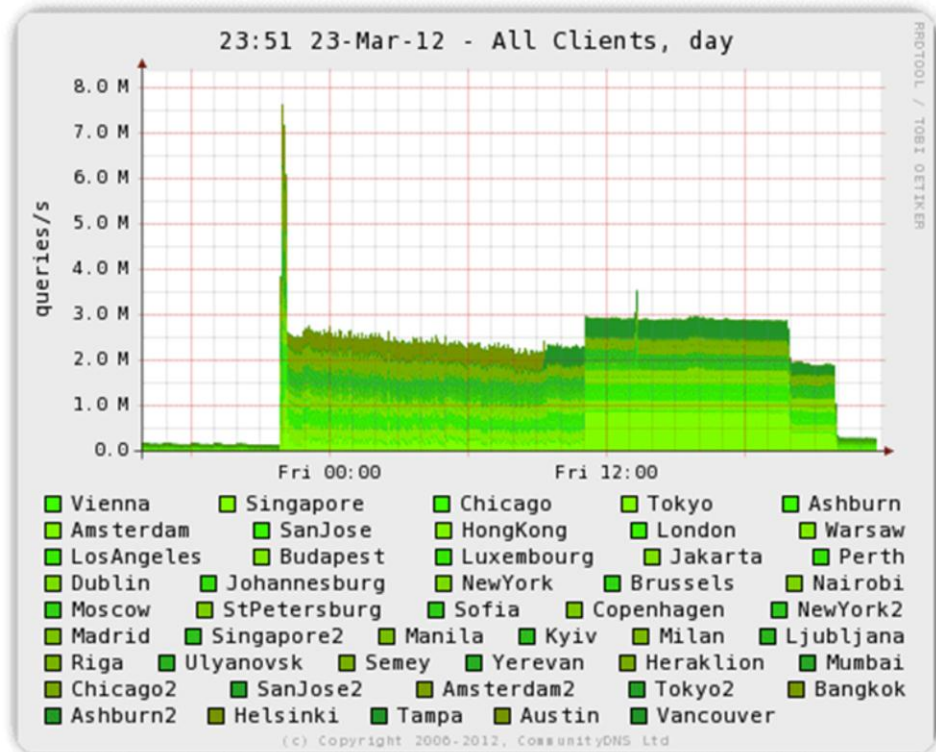
DDoS Increasing

ccTLD Registry Interface

- 18th August 2012
3million bogus EPP connections per sec to our ccTLD Registry;

Anycast DNS

- DNSSEC has much larger payload
- DNS Amplification attacks increasing
- 23rd March 2012 7.6m queries per sec peak, >2m queries per sec for approx 24 hours



Past Performance no indication of future:

- TLD not a gold-mine..... but a community service
 - > Various “new” TLDs entered the market and have not delivered the envisaged financial return for their initial investor:
 - PRO
 - MOBI
 - NAME
 - > Significant percentage of TLDs have not met their anticipated registration levels contained in their “worse-case” TLD bid proposal.
 - > Back-end Registry frequently “takes over” the “failed” TLD for much less than originally invested by the Sponsoring Organisation.
 - > ICANN needs to ensure there is no opportunity for price-gauging the Sponsoring Organisation or the end user by having independent EBERO operations and avoid competition conflicts.

New TLDs, new markets?

- **Largest Speculative Applicants**
 - > Donuts 307 Applications
 - > TLDH/Minds & Machines: 92 (68 for itself with PDT)
 - > Uniregistry: 54
 - > Directi: 31
- **Largest Brand Applicants**
 - > Google: 101 (have since withdrawn a number)
 - > Amazon: 75 registries
 - > Microsoft: 11 registries
- **IDN Applicants (116)**
 - > Chinese: 67
 - > Arabic: 15
 - > 7 Cyrillic
 - > .COM (Verisign have applied for 9 and 3 for .NET)

1350 TLDs Applicants – 56 Registries

New gTLDs by Registry (/Registrar) Service Provider:

RSP	Apps	%
Neustar	353	18.29
Demand Media	334	17.31
Afilias	305	15.80
Verisign	236	12.23
ARI Registry Services	160	8.29
Google	101	5.23
Minds + Machines	87	4.50
CentralNic	60	3.11
ISC	58	3.01
KSRegistry	27	1.40
GMO Registry	27	1.40
KNET	23	1.19
CORE	23	1.19

Registrar Interactions with more gTLDs:

- **Localisation**

- > Likely to diminish

- Registrars provide quality services to the Registrant;
 - > Name Management
 - > DNS and Hosting services
 - > First point of contact for Registrants
 - Economies of scale:
 - > more customers enabling more services
 - > Cheaper prices – fewer larger companies
 - > Catastrophic failure of Registrar impacts Registry (especially if Proxy service provided)
 - Technical requirements:
 - > Interface Standards based on international gTLDs interactions
 - > Validating and enforcing local presence requirements likely to be increasingly difficult
 - > Robust cyber-defense systems to mitigate DDoS attacks

TLDs Increasingly important

- Internet just works!
 - > Ethos of this unique community is changing and attacks are rising.
 - Political interest - Governments want reassurance “their” Internet is safe for “their” users
 - Single point of control/failure – cause for concern, can “they” grab the control point.
 - > Registrars may need to be licensed to have customers/registrants from a specific country. No license, TLDs Registries may have to reject
 - > Registries may have “more” Governmental oversight
 - Fragmentation
 - > Personal fear is that certain regions may seek to have their “own” ROOT (as they may not like certain new gTLDs) and thereby kill the “Universal” user experience
 - > Historical DNS architecture unlikely to be resilient enough for tomorrow’s Internet – ISPs need to think about “nationally” important names

Working as a COMMUNITY

- **Getting prepared**
 - > New TLDs are coming;
 - > Bad guys are coming, cyber attacks/crimes are rising;
 - > How a GLTD is run is outside of your control but running an excellent ccTLD Registry is within your power!
 - > Best Practice and working as a Community promotes Industry responsibility
- **Happy users, Happy Government's!**
 - > Universal access vitally important;
 - > Well run name space, including dispute resolution, essential
 - > Working with professional efficient contractor partners benefits everyone, - resources, experience, competition, robustness service for all

More Information:



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Thank you
and thank-you to the translators too!