DNS Blocking and IP Revocation

CENTR, EuroISPA and RIPE
European Commission, Beaulieu
23 February 2012
Presenters and the organizations they represent are not financially impacted by blocking of domain names. They are however keen to make sure the debate is based on a proper understanding of the underlying mechanisms and the potential consequences.
1. General introduction (Peter Van Roste, CENTR)

2. Axel Pawlik (RIPE NCC)
   - RIPE,
   - IPv4 / IPv6

3. Peter Koch (DENIC, CENTR)
   - ccTLD Registries
   - Zonefile
   - DNS
   - DNSSEC

4. Malcolm Hutty (Linx, EuroISPA)
   - The intermediary
   - Recursive servers
   - Blocking and redirection

5. Demo

6. Q&A
What? A Domain Name gets removed from the zonefile.
Who? The registry.
Result? The Domain Name doesn't exist any longer.

What? An intermediary prevents a domain name from being resolved.
Who? Typically an ISP, could also be company IT administrator.
Result? The Domain Name is available in the zonefile.
Report Details

Initiated by: CENTR
Survey timing: 18 JAN 2012 – 01 FEB 2012

Respondents (22):
.at, .be, .ca, .cz, .de, .dk, .fi, .fr, .is, .it, .jp, .lt, .lu, .me, .me, .nl, .no, .nz, .rs, .ru, .se, .si, .uk
ARE THERE SPECIFIC LAWS WITHIN THE JURISDICTION ADDRESSING TAKING DOWN/FILTERING DOMAIN NAMES?

There is no specific law, 19

There is specific law, 3

0  5  10  15  20
HAVE ISPS IN THE LOCAL JURISDICTION BLOCKED/FILTERED DOMAIN NAMES IN 2011

Yes; 11
No; 11

Where did the request come from?

Law Enforcement Agency
ISP
Other

‘Other’ responses:
- Only voluntary blocking of Child pornography
- ISP’s in the zone cannot block the domain name, but is responsible in some cases - transposition of EU Directive 2000/31/EC into Local law.
- A private sector initiative
- ISPs can agree to sign up to the Department of Internal Affairs filter - the Digital Child Exploitation Filtering System (DCEFS).
- State monopolies’ Agency
https://www.centr.org/issue-papers
Using the IP address
Alternative Domains
DaveProxy - Your Free Web Proxy / UK Based Proxy Server

About

DaveProxy - Your Free Web Proxy / UK Based Proxy Server

If you require a UK proxy server that lets you anonymously surf the web, DaveProxy is one of the most stable of UK proxies on the net. If you're blocked from top sites like Facebook, Spotify, Twitter, youtube, hello, myspace, ebay, and other sites, then you can use our UK-based free proxy server to access them.

DaveProxy provides an anonymous free public proxy service. We're British with our server based within the UK so you can access UK only content and helps you bypass any geip restrictions.

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