A Co-operative DNS Secondary

A proposal to ccTLDs

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Motivation

Every ccTLD has the responsibility to provide authoritative responses to DNS queries

Every ccTLD faces the threat of innovative DDoS attacks

Every ccTLD derives revenue from registrations; not usage

Every ccTLD wants more DNS sites

Proposal

A Co-operative of Authoritative DNS Secondary Sites

- -Open to all ccTLDs

- -Maintained and Operated by ccTLDs

- -Funded by ccTLDs

- -Using Anycast

- -DNSSEC?

This isn't an alternative to other DNS strategies, its an additional measure

What We Gain

- Improved global coverage and performance

- Mitigation of DDoS attacks
    - alone we are weak; together we are strong(er)

- Assists newer/smaller registries with deployment

- Assists all with monitoring and maintenance

Next Steps

- "There is another system"

  Colossus: The Forbin Project (1970)

- A BOF session would be helpful
  - corporate structure

- Who's interested?