DNS Activity @ IETF 69

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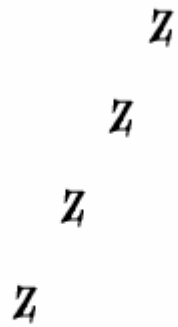
een product van SIDN

Where to go

http://tools.ietf.org/wg/yourfavoriteworkinggroup/

- DNS extensions:
  http://tools.ietf.org/wg/dnsext/
- DNS operations:
  http://tools.ietf.org/wg/dnsop/
- ENUM:
  http://tools.ietf.org/wg/enum/
- DomainKeys Identified Mail:
  http://tools.ietf.org/wg/dkim/

DNSEXT WG is ASLEEP



DNSEXT work done

- draft-ietf-dnsext-nsid
  - A protocol extension to identiy a specific server in an anycast cloud, load balancing setup or other mechanism allowing more than one DNS name server to share a single IP address.
  - Editor: Rob Austein

DNSEXT drafts at IESG

- draft-ietf-dnsext-nsec3
  - DNSSEC resource record for authenticated denial of existence which also provides measures against zone enumeration and permits gradual expansion of delegation-centric zones.
  - Editors: Ben Laurie, Geoffrey Sisson, Roy Arends, David Blacka
  - New version, clarifications after IESG review.

DNSEXT work left

IESG processing:

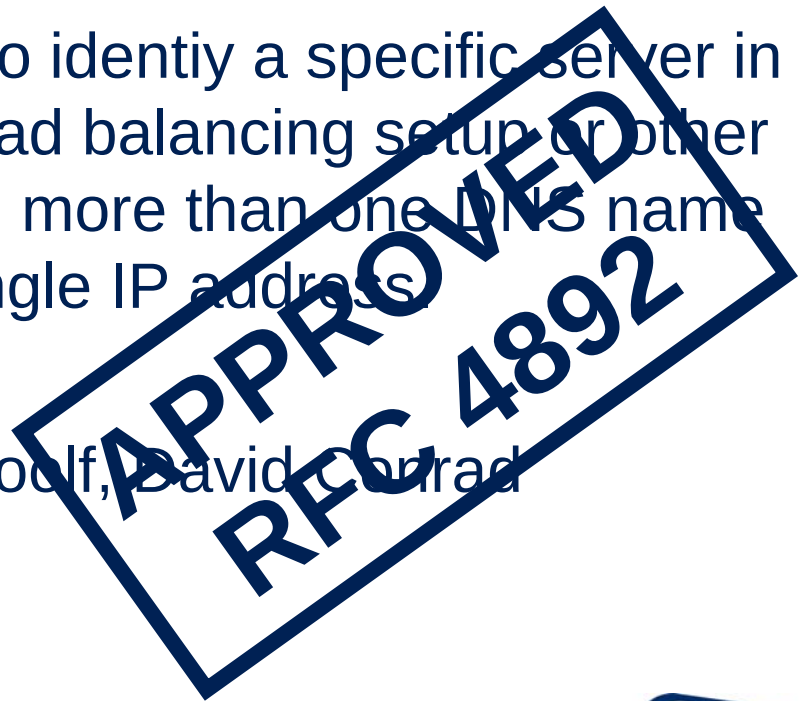
- draft-ietf-dnsext-2929bis
  - IANA parameter assignment considerations

Active:

- draft-ietf-dnsext-rfc2672bis-dname
  - update to the original DNAME specification in RFC 2672
- draft-ietf-dnsext-forgery-resilience
  - lightweight measures to make 'spoofing' harder

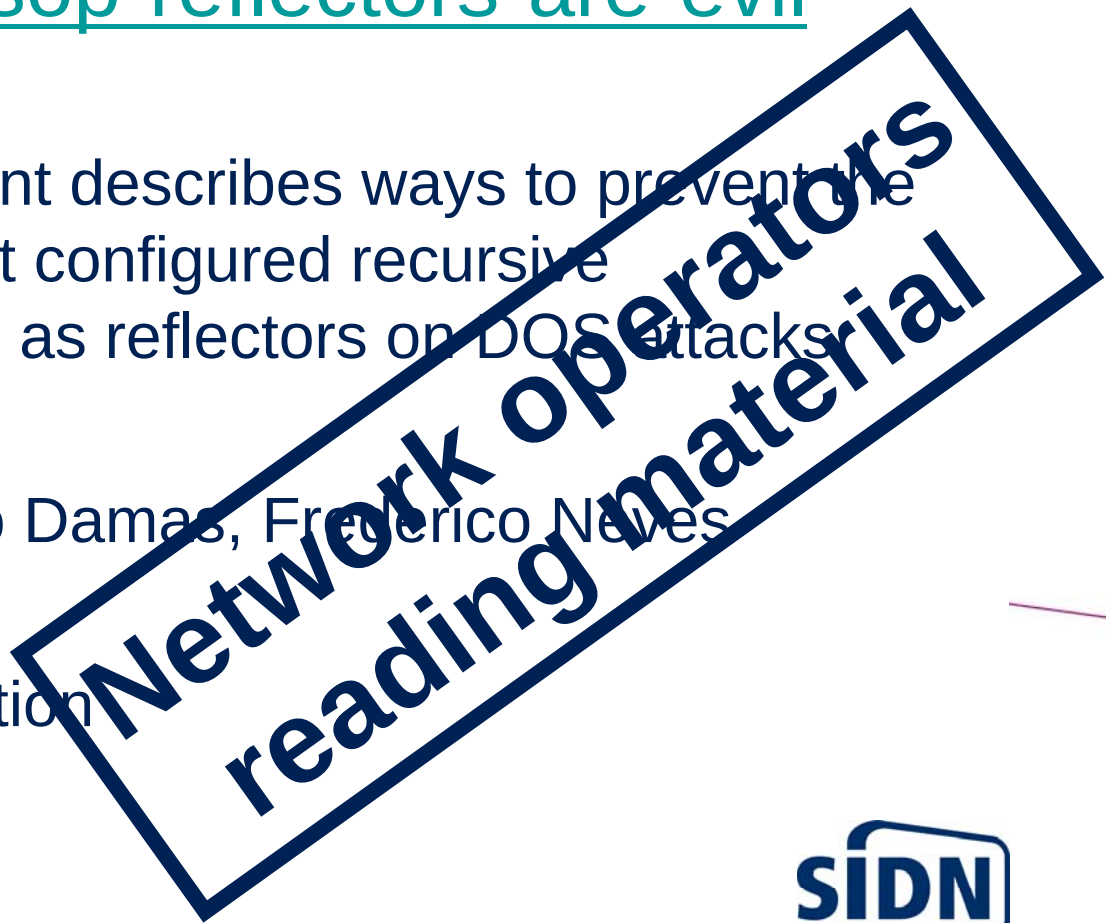
DNSOP work done

- draft-ietf-dnsop-serverid
  - Requirements how to identiy a specific server in an anycast cloud, load balancing setup or other mechanism allowing more than one DNS name server to share a single IP address.
  - Editors: Suzanne Woolf, David Conrad



DNSOP drafts at IESG

- draft-ietf-dnsop-reflectors-are-evil
  - This document describes ways to prevent the use of default configured recursive nameservers as reflectors on DOS attacks
  - Editors: Joao Damas, Frederico Neves
  - IESG evaluation



DNSOP AS112 related drafts

The AS112 project aims to provide a distributed sink for RFC 1918 and other bogus queries that pollute the DNS. Some drafts related to this issue:

- draft-ietf-dnsop-default-local-zones
  - DNS zones all iterative resolvers and recursive nameservers should automatically serve.
- draft-ietf-dnsop-as112-ops
  - How to run an AS112 node.
- draft-ietf-dnsop-as112-under-attack-help-help
  - background information and technical advice.

DNSOP other active drafts

- draft-ietf-dnsop-respsize
  - Issues related to UDP message size of 512 octets.
- draft-ietf-dnsop-reverse-mapping-considerations
  - Reverse mappings of addresses to names.
- draft-ietf-dnsop-resolver-priming
  - Initial queries a DNS resolver is supposed to emit

DNSOP future work

- Name Server Configuration and Management (Protocol) Requirements
- Infrastructure TTL's
- The Universal Deployment of EDNS0

ENUM activity

- draft-ietf-enum-combined
  - An interim solution for Infrastructure ENUM to allow a combined User and Infrastructure ENUM implementation in e164.arpa as a national choice.
  - First suggested a new RR: Infrastructure ENUM Branch Location record
  - Instead now, it is going to use DNAME

DomainKeys Identified Mail (DKIM)

DomainKeys Identified Mail (DKIM) defines an authentication framework for email using the DNS to prevent spam, phishing, etc.

- RFC 4871
  - Put a public key in the DNS
  - Sign a message with a private key
  - The recipient can check if the mail was trusted by the domain.

How to participate in IETF

- Join/read mailinglists
  - http://tools.ietf.org/wg/yourfavoriteworkinggroup/
- Webcast/Jabber
  - Audiocast and jabberrooms during meetings
  - xmpp:yourfavouriteworkinggroup@jabber.ietf.org
- Next Physical meetings:
  - IETF 70 2-7 December 2007 (Vancouver)
  - IETF 71 9-14 March 2008 (Philadelphia)