DNS Activity @ IETF 68

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een product van SIDN

Where to go

- DNS operations:

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

- DNS extensions:

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

DNSOP Drafts in RFC editor's queue

- draft-ietf-dnsop-serverid
  - Requirements how to identify 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
  - Now in RFC editor's queue

DNSOP Active Drafts

- 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
  - Will be shipped to IESG

DNSOP Active Drafts

- draft-ietf-dnsop-respsize
  - Explains the operational issues caused by, or related to the maximum UDP message size of 512 octets, and suggests ways to optimize the use of this limited space.
  - Editors: Paul Vixie, Akira Kato
  - Will be in WGLC soon

DNSOP Active Drafts

- draft-ietf-dnsop-reverse-mapping-considerations
  - The goal of this document is to outline what should be taken into account when deciding whether to implement reverse mappings of addresses to names.
  - Editors: Daniel Senie, Andrew Sullivan
  - Managed to change the document's name
  - Needs one more edit before WGLC

DNSOP Active Drafts

- draft-ietf-dnsop-default-local-zones
  - There are a number of DNS zones all iterative resolvers and recursive nameservers should, unless configured otherwise, automatically serve. This document extends the practice to cover the IN-ADDR.ARPA zones for RFC 1918 address space and other well known zones.
  - Editor: Mark Andrews
  - Is post WGLC, but needs an edit before IESG

DNSOP Active Drafts

- draft-ietf-dnsop-as112-under-attack-help-help
  - The AS112 project aims to provide a distributed sink for RFC 1918 queries. Replies received back from those AS112 servers are typically unexpected and trigger alarms to network operators. This document provides background information and technical advice.
  - Editors: Joe Abley, William Maton
  - Will be in WGLC soon

DNSOP New Work

- draft-ietf-dnsop-as112-ops
  - This document describes the steps required to install a new AS112 node, and offers advice relating to such a node's operation.
  - Editors: Joe Abley, William Maton
  - Open issues on updating list of zones served and IPv6 transport support

Non WG drafts discussed in DNSOP

- draft-regnauld-ns-communication
  - Requirments for a protocol to allow DNS nameservers to communicate among themselves, possibly outside the existing DNS protocol, for purposes of zone discovery and provisioning and remote management.
  - Authors: Phil Regnauld, Stephane Bortzmeyer
  - Ongoing, list of services will be determined.

DNSEXT drafts at IESG

- 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
  - Now waiting for IANA for review.

DNSEXT drafts at AD

- 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
  - AD evaluation.

DNSEXT drafts at AD

- draft-ietf-dnsext-2929bis
  - IANA parameter assignment considerations for the allocation of DNS resource record types, CLASSes, operation codes, error codes, DNS protocol message header bits, and AFSDB resource record subtypes.
  - Editor: Donald Eastlake
  - AD evaluation.

DNSEXT active drafts

- draft-ietf-dnsext-rfc2672bis-dname
  - The DNAME record provides redirection for a sub-tree of the domain name tree in the DNS system. This is an update to the original specification in RFC 2672.
  - Editors: Scott Rose, Wouter Wijngaards
  - Authors started an issue tracker, and are awaiting feedback.

DNSEXT active drafts

- draft-ietf-dnsext-forgery-resilience
  - Before the DNSSEC will be implemented, lightweight measures can already be taken to make 'spoofing' a recursing nameserver many orders of magnitude harder.
  - Editors: Bert Hubert, Remco van Mook
  - Is now a WG document
  - Issues: http://adsl-xs4all.ds9a.nl/cgi-bin/resilience.fcgi

DNSEXT active drafts

- draft-ietf-dnsext-dnssec-bis-updates
  - This document lists some minor clarifications and corrections to DNSSECbis, as described in [RFC4033], [RFC4034], and [RFC4035]. It is meant to serve as a resource to implementors as well as an interim repository of DNSSECbis errata.
  - Editors: Samuel Weiler, Rob Austein
  - Slowly progressing

DNSEXT Future ?

- Discussion on future of DNSEXT WG
  - Most work done
  - 4 active drafts left
  - No new work on horizon
- Possible options:
  - Close WG (also no mailinglist)
  - Go dormant (with mailinglist, but no meetings)
  - Recharter, get new work
- Outcome:
  - Some consensus to go dormant

How to participate in IETF

- Join/read mailinglists
  - http://tools.ietf.org/wg/dnsop/
  - http://tools.ietf.org/wg/dnsext/
- Webcast/Jabber
  - Audiocast and jabber rooms during meetings
- Next Physical meetings:
  - IETF 69 22-27 July 2007 (Chicago)
  - IETF 70 2-7 December 2007 (Vancouver)