

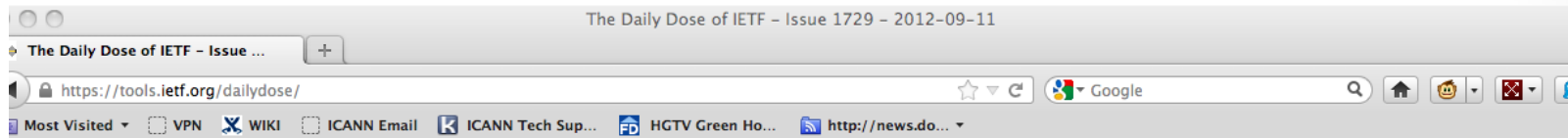
DNS at the IETF

Current topics that may be of Interest

What is the IETF

- Internet Engineering Task Force
 - Standards body that develops the majority of the standards used on the Internet today
- Organizational support from ISOC
- Meets three times a year
- Open to anyone who is interested
- It's work is separated into areas with working groups
- <https://www.ietf.org>

Highly technical



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The Daily Dose of IETF

"Be conservative in what you send and liberal in what you accept"

« Prev

Issue 1729 — 2012-09-11

IETF-Announce List

- Protocol Action: 'Definition of Managed Objects for the Neighborhood Discovery Protocol' to Proposed Standard (draft-ietf-manet-nhdp-mib-19.txt) (The IESG)
- Last Call: <draft-ietf-dime-erp-12.txt> (Diameter Support for the EAP Re-authentication Protocol (ERP)) to Proposed Standard (The IESG) [more messages »](#)

New RFCs

- RFC 6724 on Default Address Selection for Internet Protocol Version 6 (IPv6) (rfc-editor)
- RFC 6719 on The Minimum Rank with Hysteresis Objective Function (rfc-editor)
- RFC 6716 on Definition of the Opus Audio Codec (rfc-editor)
- RFC 6712 on Internet X.509 Public Key Infrastructure -- HTTP Transfer for the Certificate Management Protocol (CMP) (rfc-editor) [more recent RFCs »](#)

New and Revived Drafts

- Encoding of Secure Common Alert Protocol Entities (ESCAPE) (draft-barnes-atoca-escape)
- IS-IS Extension for BGP FRR Protection against Edge Node Failure (draft-bashandy-isis-bgp-edge-node-frr)
- CLUE media capture description (draft-groves-clue-capture-attr)
- AFS-3 Protocol Capabilities Query Mechanism (draft-keiser-afs3-capabilities)

Drafts Sent to IESG

- NEA Asokan Attack Analysis (draft-ietf-nea-asokan): Active » Publication Requested

IESG Progress

- Diameter Support for the EAP Re-authentication Protocol (ERP) (draft-ietf-dime-erp): Publication Requested » In Last Call
- Definition of Managed Objects for the Neighborhood Discovery Protocol (draft-ietf-manet-nhdp-mib): IESG Evaluation - Defer::AD Followup » Approved-announcement sent
- Protocol to Access White Space database: PS, use cases and rqmts (draft-ietf-paws-problem-stmt-usecases-rqmts): Publication Requested » AD Evaluation
- Wireline Incremental IPv6 (draft-ietf-v6ops-wireline-incremental-ipv6): IESG Evaluation::Revised ID Needed » ::AD Followup

Drafts Sent to RFC Editor

Other Status Changes

RFC Editor Status Changes

IPR Disclosures

[more IPR disclosures »](#)

IESG/IAB/AOC/Trust Minutes

Areas and Working Groups

- Applications (APP)
- WEIRDS working group
- Web Extensible Internet Registration Service
 - Relatively new working group
 - Currently eleven (11) Drafts up for consideration on various aspects.
 - This MAY define the future mechanisms for presenting whois data by registries
- <https://datatracker.ietf.org/wg/weirds/>

- Internet (INT)
- DNSEXT Working group
- Domain Name System Extensions
 - Currently six (6) drafts
 - A lot of work related to DNSSEC
 - Many of the current drafts relate to signaling algorithms.
- If you are interested in the details of DNSsec at the protocol level then watch this space.

- Operations and Management (OPS)
- DNSOP working group
- Domain Name System Operations
 - Currently four (4) drafts
 - Concerned with operational aspects of the DNS
 - Operational docs related to DNSsec –
 - RFC4641Bbis-12 - DNSSEC operational practices update
 - draft-ietf-dnsop-dnssec-key-timing – Timings for key roll over
 - draft-ietf-dnsop-dnssec-dps-framework – DNSSEC Practice Statements
 - draft-ietf-dnsop-respsize

- Security (SEC)
- DANE working group
- DNS-based Authentication of Named Entities
 - Currently no (0) active drafts
 - Takes advantage of DNSSEC to publish Certificate data
 - 2 recent RFCS
 - RFC6698 specifies protocol – RR Type TLSA
 - RFC6394 Describes use case
 - Will registrars/hosting companies need to support TLSA?
 - Will this be the “killer app” that pushes DNSsec usage?

Taking part?

- Each working group has a mailing list and a wiki.
- Meetings
 - November 4-9, 2012 – Atlanta, USA
 - March 10-15, 2013 – Orlando, USA
 - July 28 - August 2, 2013 – Berlin, DE
 - November 2013 – Vancouver, CA
 - March 2-7, 2014 – London, UK
- Most of the work happens on the Mailing list. All decisions are discussed on mailing list.

Fellowship program

- <http://www.internetsociety.org/what-we-do/education-and-leadership-programmes/next-generation-leaders/ietf-fellowships>
- ISOC has a fellowship program for those who have difficulty participating in person
- Covers travel, accommodation, incidental expenses etc.