                 Terminology for DNS Transports and Location
                     draft-ietf-dnsop-terminology-ter-02

Abstract

   This document adds terms and abbreviations to "DNS Terminology" (RFC
   8499) that relate to DNS running over various transports, as well as
   terms and abbreviations for DNS resolution at traditional and non-
   traditional locations.

Status of This Memo

   This Internet-Draft is submitted in full conformance with the
   provisions of BCP 78 and BCP 79.

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   time. It is inappropriate to use Internet-Drafts as reference
   material or to cite them other than as "work in progress."

   This Internet-Draft will expire on February 4, 2021.

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1. New Terms and Abbreviations

   The following terms and abbreviations are added to Section 6 of
    [RFC8499].

   DNS-over-TLS (DoT): DNS over TLS as defined in [RFC7858] and its
      successors.

   DNS-over-HTTPS (DoH): DNS over HTTPS as defined in [RFC8484] and its
      successors.

   DNS-over-QUIC (DoQ): DNS over QUIC as defined in
      [I-D.ietf-dprive-dnsoquic]

   Classic DNS: DNS over UDP or TCP as defined in [RFC1035] and its
      successors. Classic DNS applies to DNS communication between stub
      resolvers and recursive resolvers, and between recursive resolvers
      and authoritative servers. This has sometimes been called "Do53".
      Classic DNS is not encrypted.

   Recursive DoT (RDoT): RDoT specifically means DNS-over-TLS for
      transport between a stub resolver and a recursive resolver, or
      between a recursive resolver and another recursive resolver. This
      term is necessary because it is expected that DNS-over-TLS will
      later be defined as a transport between recursive resolvers and
      authoritative servers,

   Authoritative DoT (ADoT): If DNS-over-TLS is later defined as a
      transport between recursive resolvers and authoritative servers,
      ADoT specifically means DNS-over-TLS for transport between
      recursive resolvers and authoritative servers.

2. Normative References

   [I-D.ietf-dprive-dnsoquic]
              Huitema, C., Mankin, A., and S. Dickinson, "Specification
              of DNS over Dedicated QUIC Connections", draft-ietf-
              dprive-dnsoquic-00 (work in progress), April 2020.

   [RFC1035]   Mockapetris, P., "Domain names - implementation and
               specification", STD 13, RFC 1035, DOI 10.17487/RFC1035,
               November 1987, <https://www.rfc-editor.org/info/rfc1035>.

   [RFC7858]   Hu, Z., Zhu, L., Heidemann, J., Mankin, A., Wessels, D.,
               and P. Hoffman, "Specification for DNS over Transport
               Layer Security (TLS)", RFC 7858, DOI 10.17487/RFC7858, May
               2016, <https://www.rfc-editor.org/info/rfc7858>.

   [RFC8484]   Hoffman, P. and P. McManus, "DNS Queries over HTTPS
               (DoH)", RFC 8484, DOI 10.17487/RFC8484, October 2018,
               <https://www.rfc-editor.org/info/rfc8484>.

   [RFC8499]   Hoffman, P., Sullivan, A., and K. Fujiwara, "DNS
               Terminology", BCP 219, RFC 8499, DOI 10.17487/RFC8499,
               January 2019, <https://www.rfc-editor.org/info/rfc8499>.

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   published. Warren Kumari contributed the idea for "Applications
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