

January 26, 2022 Joint Interim on Split-DNS ADD-DNSOPS-DPRIV

This is a joint interim with DNSOP, DPRIVE, ADD groups on the topic of Resolver Discovery in Split DNS environments

Meeting Materials, Links

Materials, Charter, Documents

- [DNSOP WG General Info](#)
- [DPRIVE WG General Info](#)
- [ADD WG General Info](#)

Materials, Charter, Documents

- DNSOP Chairs: Benno Overeinder, Suzanne Wolf, Tim Wicinski
- DPRIVE Chairs: Brian Haberman, Tim Wicinski
- ADD Chairs: David Lawrence, Glenn Deen
- Area Directors: Warrent Kimari, Eric Vyncke

Session link, minutes, jabber, materials

- [Meetecho Link](#) remote participation
- [Meeting Minutes](#)
- Meeting Chat
- [Materials](#)

Interim Session times

- January 26, 2022, 1700-1830 UTC

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Agenda

Administration

- [IETF NOTE WELL](#)
- Scribe selection
- Agenda bash
- Welcome from chairs

Introduction

Notes on this session:

- Split DNS is widely deployed operationally and there is a desire for users of it to have a discovery mechanism to discover DoH and DoT relevant resolvers so that they can make use of encrypted DNS.
- This is **not** organized as a referendum on Split DNS, nor a workshop on how to end the practice.

1. Background on this Discovery for Split DNS discussion

- Split DNS in this context means: Networks having different internal/external name mapping in their DNS name space.
- ADD WG has expressed consensus to work on the problem of DoH/DoT discovery in Split DNS environments
- ADD WG has not yet reached clear consensus at this point on how to address Split DNS discovery
- Issues outside of ADD's charter scope have been expressed as concerns including: (1) Validation of resolvers authority; (2) Validation of answers; (3) Potential Role of DNSSEC
- ADD WG Adopted Drafts on discovery in non Split DNS environments and are nearing WG Last Call: (1) [Discovery of Designated Resolvers](#); (2) [DHCP and Router Advertisement Options for the Discovery of Network-designated Resolvers \(DNR\)](#).

2. Acknowledging Split DNS is widely deployed and likely here to stay, what is need for discovery?

2.1 Presentation: Proposed approaches on a few issues - Ben Schwartz et al. (20 minutes + discussion)

- Some items:
- Restricting the scope of discovery to resolvers of split-horizon DNS names that are properly rooted in the global DNS.
- Clarification of Terminology for: (1) hybrid resolver/client; (2) authorized split horizon; (3) domain camping
- Using DNSSEC to confirm authority over the split-horizon domains

2.2 Open Mic Line: Discussion on what is important in scoping the discovery requirements

- Seed issues:
- Is validation of resolvers authority to answer queries for domains needed?
- Is answer validation needed for domains resolved in Split DNS environments?
- DNSSEC is generally not used for the non-global names in Do53 Split DNS environments, so why would it be different for Encrypted DNS?

2.3 Other considerations?

- Are there past IETF I-Ds/RFCs that need to be referenced?
- Question to group: Is there related work external to the IETF to be considered?

3.0 Other Discussion Topics

- From Mic Line

4.0 Planning & Wrap up

- 5 min - Wrap up

[agenda end]