# RFC7626-bis:
# DNS Privacy Considerations

draft-bortzmeyer-dprive-rfc7626-bis

**Sara Dickinson** sara@sinodun.com
Stephane Bortzmeyer bortzmeyer+ietf@nic.fr

# Overview

- RFC7626 originally published in August 2015 (first DPRIVE document)
- Abstract: “This document describes the privacy issues associated with the use of the DNS by Internet users.  It is intended to be an analysis of the present situation and does not prescribe solutions.”

# Why a bis?

- Before any new DPRIVE standards & DoH, only discusses cleartext - things have changed!
- Best Current Practices for DNS Privacy operators - latest version is based on threats/mitigations
- An updated RFC7626 seemed like the right place to describe new issues (companion document)
  - **Threats**: RFC7626-bis
  - **Mitigations**: draft-dickinson-dprive-bcp-op

# What's new?

- Updates:
  - Mention new work (DoT(D)/DoH), standards and deployment.
  - Update many references.
  - Add section: DNS payload content (ECS, DNS Cookies, etc.)
  - Attacks on encrypted transports, potential for tracking
  - In the server: analysis of DoT and DoH (headers)
  - Authentication of servers
  - Blocking of encrypted services

- Does the WG think this is worth doing? What's missing?