Minimal EDNS compliance requirements
draft-spacek-edns-camel-diet-00

Abstract

   DNS responders must either follow RFC 6891 by implementing EDNS or
   respond with RCODE=FORMERR to queries containing OPT record. Non-
   compliant implementations are not worth talking to.

1. Introduction

   EDNS version 0 was standardized in 1999, but non-RFC 1035 compliant
   implementations still exist and cause lot of extra queries and
   complicated logic in recursive resolvers. RFC 6891 clearly states
   that FORMERR is the only acceptable answer for implementations
   without support for EDNS. The cost of supporting these non-compliant
   implementations keeps increasing.

2. The Protocol

   **No DNS response message to a repeated DNS query containing EDNS
   extension means that the other side is not a DNS responder and the
   querier MUST NOT retry its query without EDNS.**