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.