

# C-DNS

## A DNS Packet Capture Format

draft-ietf-dnsop-dns-capture-format

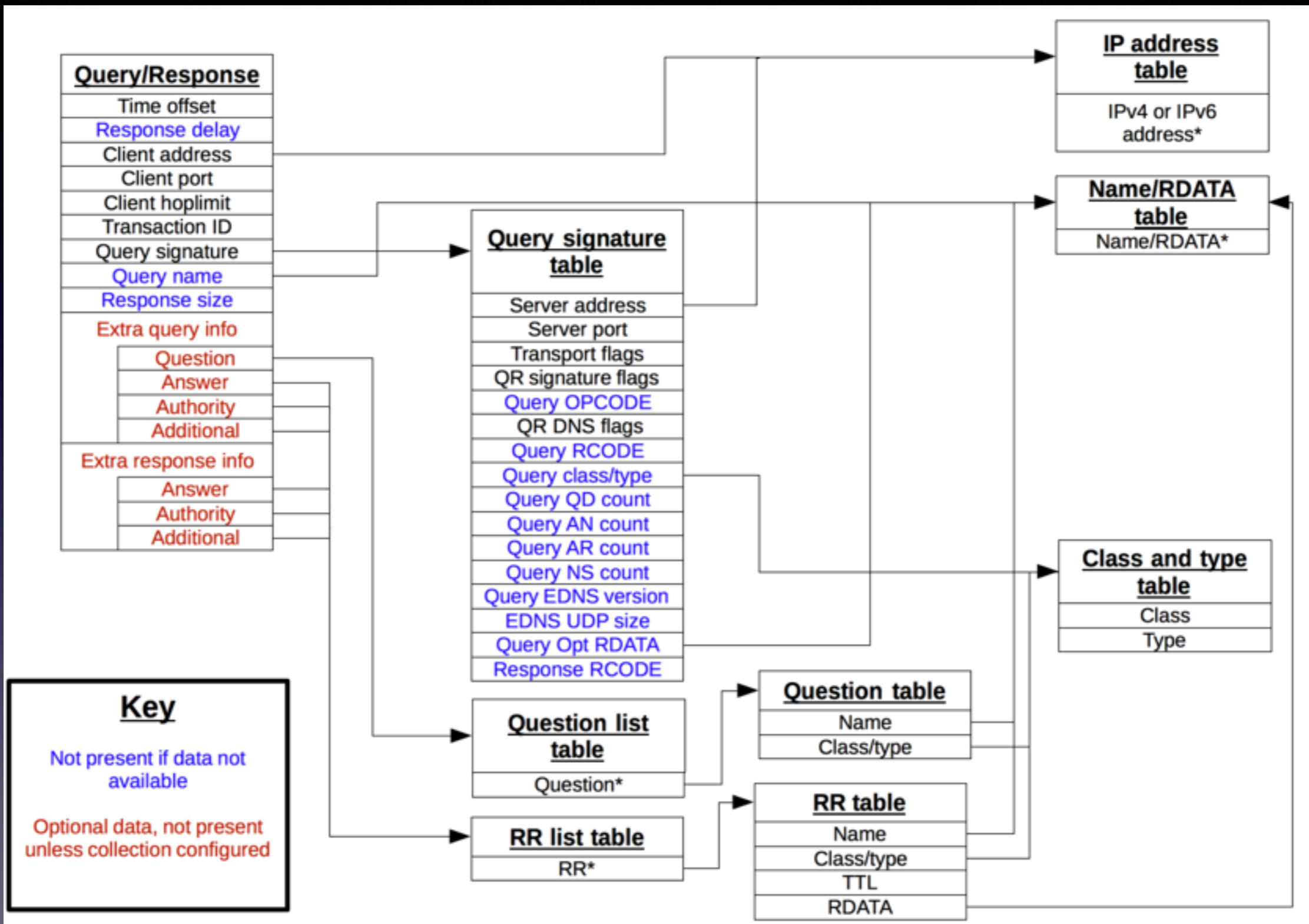
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# A DNS Packet Capture Format

- GOALS:
  - **Efficient storage** of large packet captures of DNS traffic (CBOR [[RFC7049](#)])
  - Works in restricted environments
  - Relatively low overhead to produce and minimizes the requirement for further compression
- WBN if reversible (it almost is)

# C-DNS Format

- **Combine** DNS Query and the associated Response
- **Collected** Q/R items into blocks of (a few thousand)
- **Common data** in a block is abstracted and referenced from individual Q/R items
- **Optional** collection for Sections/RRs



# Draft Status

- Adopted by working group in Nov 2016
- Latest version is -01 Feb 2017
  - Comprehensive editorial review
  - Added option to store malformed packets
  - Timestamp resolution, few new fields

# Comments on -01

- Clarify configuration settings
- Terminology clean up
- OPEN QUESTION: Partially malformed packet handling
- NOTED: Images are not up to date - will fix asap