



I E T F

18 July 2017

Extended DNS Errors

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[draft-wkumari-dnsop-extended-error-01](#)

- EDNS option for numeric 16-bit error in addition to rcode
 - Still set rcode per prior standards
 - Explicit signal whether to retry with other authorities
- Creates another IANA registry for code points
- Initial proposed codes:
 1. DNSSEC Bogus — validation failed
 2. DNSSEC Indeterminate — no trust anchor
 3. Lame — not authoritative for any part of qname
 4. Prohibited — explicitly blocked by policy
 5. Too Busy — excessively loaded (bad idea?)

Next Steps

- Any other codes useful straight out of the gate?
 - Generic code to just signal retry (such as on servfail)?
- Allow free-form text in addition to code?
- Allow for noerror rcode?
- Allow even for non-EDNS requests?
- Request working group adoption