

# draft-ietf-deleg-01

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## -00 to -01

- <https://author-tools.ietf.org/iddiff?url1=draft-ietf-deleg-00&url2=draft-ietf-deleg-01&difftype=--html>
- If DELEG delegated, "MUST NOT use NS records" as fallback, even if cached
  - Downgrade protection for DELEG-aware resolvers
- "Authoritative Delegation Types" (ADT) DNSKEY flag
  - Again, downgrade protection for DELEG-aware resolvers
  - Attacker could strip DELEG without detection
- RFC 8914 Extended DNS Error, "New Delegation Only"
  - For DE=0 requests when no NS exists
  - Still suggesting NXDOMAIN vs SERVFAIL (or any other RCODE)
  - Impacts DNSSEC proofs, could use some more thought and words
- Noting updates to RFC 6672 (Resolver Algorithm) and 6840 (DELEG in type bitmap)
- More exposition and examples
- Usual typo fixes

# More updates planned

- Renaming glue4 / glue6 to just ip4 / ip6.
  - Emphasize that when ip4 / ip6 are present, they are NOT tied to the target name
  - ... if the chosen record format requires a target name
  - ... which maybe could be "." despite the current prohibition
- Define DELEG awareness for {A,I}XFR
  - Describe problem with DELEG-unaware authority having DELEG in zone data
- Needs a thorough Security Considerations section
- Move Contributors into Acknowledgements Issue #25
- Kill the Change Log (Appendix D) in the draft? Issue #26
- More proofreading / flow edits

# Other open issues

- Resolver behavior matrix, [#4](#)
  - Various permutations of qtype/DE=n/DELEG/NS and corresponding answers
  - [80 rows!](#) Abbreviate to key points in draft?
- SVCB reuse, [#11](#)
- [Cyclic Siblings](#), [#12](#); does this need to be supported?
  - Eg, example.com DELEG ns1.example.net / example.net DELEG ns1.example.com
- DE=0 for DELEG-only, [#19](#); suggestion to use SERVFAIL
- Priming, [#27](#), for the root zone: defer to some other draft
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