

# A short preview of DELEG and transports

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July 2025

# This is just a preview

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- The WG decided to finish the main DELEG protocol before we look at extending it with transports
- This preview will possibly help the WG decide how to structure the DELEG protocol
- There will be plenty of hard questions later; some are hinted at here

# Types of transports

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- Do53
- DoT
- DoH
- DoQ
- The WG might choose to support all of the secure transports, or just some of them
- The DELEG record should be able to express exactly which transports

# Authenticating secure transports

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- PKIX certificates
  - Probably, but not necessarily, issued by web PKI vendors
  - Identified by domain names and/or IP addresses
- DANE
  - Identified by domain names
  - Requires DNSSEC

# Dealing with failures

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- If multiple secure transports are listed, and the one tried fails, when do you fall back or not?
- If secure and Do53 are listed, when do you fall back or not?
- Does the DELEG record specify fallback, or is it only up to the resolver?

# Versions

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- Are old versions of TLS acceptable? If so, which?
- What happens if there are QUIC versions in the future?
- How prescriptive do we try to be now?

# No mic line

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