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# DNS PUSH STATUS

## DRAFT-BELLIS-DNSOP-SESSION-SIGNAL

- ▶ Defines a DNS session to be:
  - ▶ long-lived
  - ▶ messages can be initiated from either end
  - ▶ messages arrive in order
- ▶ TCP and TCP-over-TLS currently qualify and other transports may qualify in the future (QUIC, DTLS + foo)

## APPLICABILITY

- ▶ Given DNS Push messages fall within context of a session
- ▶ Seems appropriate to collaborate on DNSOP work in this area feeding requirements into DNS Session Signaling
- ▶ Session signaling optimal over use of per-packet EDNS(0) options
- ▶ Lots of synergy between efforts

## RESISTANCE IS FUTILE. YOU HAVE BEEN ASSIMILATED.

- ▶ Session signaling TERMINATE message can directly replace DNS Push TERMINATE
- ▶ It seems probable that new session signaling TLVs can be defined for SUBSCRIBE, UNSUBSCRIBE, and RECONFIRM.
- ▶ These will all use the same session signaling opcode.
- ▶ Packet formats are still under consideration. A completely new minimalistic header is a possibility for new opcode.

## NEXT STEPS

- ▶ New version of session signaling draft based on discussions at IETF 96 coming out shortly
- ▶ Updated DNS Push draft to follow as soon as possible
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