Opportunistic DNS
IETF 101

HotCRP
dkg
DNS Delivery Mechanisms in 2018

- DHCP-configured resolver
- pre-configured resolver
- pre-configured DNS-over-TLS resolver
- pre-configured DOH resolver
- ???
Would you accept a DNS record from this guy?
Opportunistic DOH
Not pre-configured

C→S HTTP request
C←S HTTP response
C←S DNS records you might like to know about
Benefits

- Privacy
- Latency
- Security incentives?
Contextual Choices

- What additional validation checks?
- What are the risks for bad data?
Contexts

- web browser
- other HTTP clients
- TLS DNSSEC chain
- other DNS clients
- where in the IETF?