

DNS-over-TLS and Root-Server Statistics

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DNS-over-TLS was originally proposed to protect the privacy of queries from a DNS stub resolver to the recursive resolver [RFC7858]. Recent experimental work has extended it to apply from the recursive resolver to authoritative servers [RFC9539]. This talk will examine how this protocol interacts with privacy and with RSSAC-002 statistics expected of root servers. We will examine how b.root-servers.net provides RSSAC-002 statistics that include the DNS-over-TLS queries it receives, and explore where DNS-over-TLS from recursive to authoritative improves privacy and threats that it does not address.