

# DNS-over-TLS test servers

## Experimental DNS Privacy Recursive Servers

The following servers are configured to support TLS on port 853 for testing purposes.

Note that they are experimental offerings with **no guarantees** on the lifetime of the service or service level provided.

Also note that the single SPKI pins published here for many of these servers are subject to change (e.g on Certificate renewal) and should be used with care!!

Hosted by	IP addresses	Ports	Hostname for TLS authentication	Base 64 encoded form of SPKI pin(s) for TLS authentication (RFC7858)	Notes	Supports RFC7766 fully	Software	Notes
getdnsapi.net	<b>UPDATED on 13th April 2017!</b> 185.49.141.37 2a04:b900:0:100::37	853	getdnsapi.net	foxZRnlh9gZpWnl+zEiKa0EJ2rdCGroMWm02gaxSc9S=		No	Unbound	
Surfnet	145.100.185.15 2001:610:1:40ba:145:100:185:15	853	dnsovertls.sinodun.com	62IKu9HsDVbyiPenApnc4sfmSYTHOVfFgL3pyB+cBL4=		No, but does do concurrent processing of queries. Supports TFO	HAProxy + BIND	Only listening on TLS on port 853  (no UDP or TCP on port 53)
Surfnet	145.100.185.16 2001:610:1:40ba:145:100:185:16	853	dnsovertls1.sinodun.com	cE2ecALeE5B+urJhDrJIVFmf38cJLAvqekONvjypqUA=		No, but does do concurrent processing of queries	Nginx + BIND	Only listening on TLS on port 853  (no UDP or TCP on port 53)
dkg	199.58.81.218 2001:470:1c:76d::53	853 443 53053	dns.cmrg.net	3IOHSS48KOc/zlkKGtI46a9TY9PPKDVGH3W2ZS4JZo=  5zFN3smRPuHllM/8L+hANt99LW26T97RFHqHv90awj0=		No, but does do concurrent processing of queries.	Knot Resolver	<a href="https://dns.cmrg.net/">https://dns.cmrg.net/</a>  Note that on port 443 this server can serve both HTTP 1.1 traffic (to securely access the nameserver credentials) on TLS connections <i>and</i> DNS-over-TLS on separate TLS connections due to some nifty, experimental demultiplexing of traffic, described here. So if port 853 may be blocked then this is a good option.
OARC	184.105.193.78 2620:ff:c000:0:1::64:25	853	tls-dns-u.odvr.dns-oarc.net	pOXrpUt9kgPgbWxBFFcBTbRH2heo2wHwXp1fd4AEVXI=		No	Unbound	See OARC website
Yeti	2001:4b98:dc2:43:216:3eff:fea9:41a	853	dns-resolver.yeti.eu.org	8jkVGv5GP34E70/tDu+j2vnZ1bikayym2QvF4mkX11g=		No	Unbound	See <a href="https://dns-resolver.yeti.eu.org/">https://dns-resolver.yeti.eu.org/</a>
Yeti	2a00:e50:f15c:1000::2:53	853	yeti-rr.datev.net				stunnel + Unbound	
UncensoredDNS	89.233.43.71 2a01:3a0:53:53::	853	unicast.censurfridns.dk					See <a href="https://blog.uncensoreddns.org/">https://blog.uncensoreddns.org/</a>

Lorraine Data Network	80.67.188.188	853						<a href="https://ldn-fai.net/serveur-dns-recursif-ouvert/">https://ldn-fai.net/serveur-dns-recursif-ouvert/</a> Uses a self-signed certificate, no key published
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