

All Zones *with* DNSSEC via LGL

Figure 10 is a bar chart showing the percentage of UDP server EDNS OK responses for IPv4, IPv6, and Dual-Stack configurations. The chart is divided into three main sections: IPv4, IPv6, and Dual-Stack. Each section contains three sub-sections corresponding to EDNS0 flags: 512, 1232, and 4096. Within each sub-section, there are three bars representing different path lengths: 1500, 1280, and 1280 (no PMTUD). The y-axis represents the percentage of OK responses, ranging from 0% to 100%. The legend indicates that the bars represent 'UDP server edns ok'.

Configuration	EDNS0 Flag	Path Length	Percentage of OK Responses
IPv4	512	1500	~55%
		1280	~55%
		1280 (no PMTUD)	~50%
	1232	1500	~50%
		1280	~45%
		1280 (no PMTUD)	~40%
	4096	1500	~50%
		1280	~45%
		1280 (no PMTUD)	~40%
IPv6	512	1500	~45%
		1280	~45%
		1280 (no PMTUD)	~30%
	1232	1500	~30%
		1280	~30%
		1280 (no PMTUD)	~30%
	4096	1500	~30%
		1280	~30%
		1280 (no PMTUD)	~30%
Dual-Stack	512	1500	~55%
		1280	~55%
		1280 (no PMTUD)	~55%
	1232	1500	~40%
		1280	~40%
		1280 (no PMTUD)	~40%
	4096	1500	~35%
		1280	~35%
		1280 (no PMTUD)	~35%

IPv6

Dual-Stack

All Zones with DNSSEC not via LGI

The chart displays the percentage of zones with DNSSEC not via LGI for All Zones across three configurations: IPv4, IPv6, and Dual-Stack. The x-axis lists various DNSSEC configurations for each protocol stack. The y-axis shows the percentage (0% to 100%) and the number of zones (0 to 40K).

Configuration	Percentage (%)	No. of NS (approx.)
IPv4 EDNS0:512 Path 1280 (no PMTUD) 1500	55%	18K
IPv4 EDNS0:1232 Path 1280 (no PMTUD) 1500	50%	18K
IPv4 EDNS0:4096 Path 1280 (no PMTUD) 1500	50%	18K
IPv4 EDNS0:512 Path 1280 (no PMTUD) 1500	45%	18K
IPv4 EDNS0:1232 Path 1280 (no PMTUD) 1500	45%	18K
IPv4 EDNS0:4096 Path 1280 (no PMTUD) 1500	45%	18K
IPv6 EDNS0:512 Path 1280 (no PMTUD) 1500	30%	12K
IPv6 EDNS0:1232 Path 1280 (no PMTUD) 1500	30%	12K
IPv6 EDNS0:4096 Path 1280 (no PMTUD) 1500	30%	12K
Dual-Stack EDNS0:512 Path 1280 (no PMTUD) 1500	55%	32K
Dual-Stack EDNS0:1232 Path 1280 (no PMTUD) 1500	55%	32K
Dual-Stack EDNS0:4096 Path 1280 (no PMTUD) 1500	55%	32K
Dual-Stack EDNS0:512 Path 1280 (no PMTUD) 1500	40%	18K
Dual-Stack EDNS0:1232 Path 1280 (no PMTUD) 1500	40%	18K
Dual-Stack EDNS0:4096 Path 1280 (no PMTUD) 1500	40%	18K

All Zones without DNSSEC via LGI

[illegible]

IPv6

Dual-Stack

All Zones without DNSSEC not via LGI

Protocol	Path Length	PMTU Size	EDNS0:512 (%)	EDNS0:1232 (%)	EDNS0:4096 (%)
IPv4	1280	1280	~60%	~60%	~60%
		1280	~60%	~60%	~60%
		1500	~60%	~60%	~60%
	1280	1280	~60%	~60%	~60%
		1280	~60%	~60%	~60%
		1500	~60%	~60%	~60%
IPv6	1280	1280	~60%	~60%	~60%
		1280	~60%	~60%	~60%
		1500	~60%	~60%	~60%
	1280	1280	~60%	~60%	~60%
		1280	~60%	~60%	~60%
		1500	~60%	~60%	~60%
Dual-Stack	1280	1280	~60%	~60%	~60%
		1280	~60%	~60%	~60%
		1500	~60%	~60%	~60%
	1280	1280	~60%	~60%	~60%
		1280	~60%	~60%	~60%
		1500	~60%	~60%	~60%

-GI