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IETF 102

WILLEM TOOROP

DHCPV6 DNS DISCOVERY

WHY ONLY IPV6?

Don't worry, IPv4 is coming next!

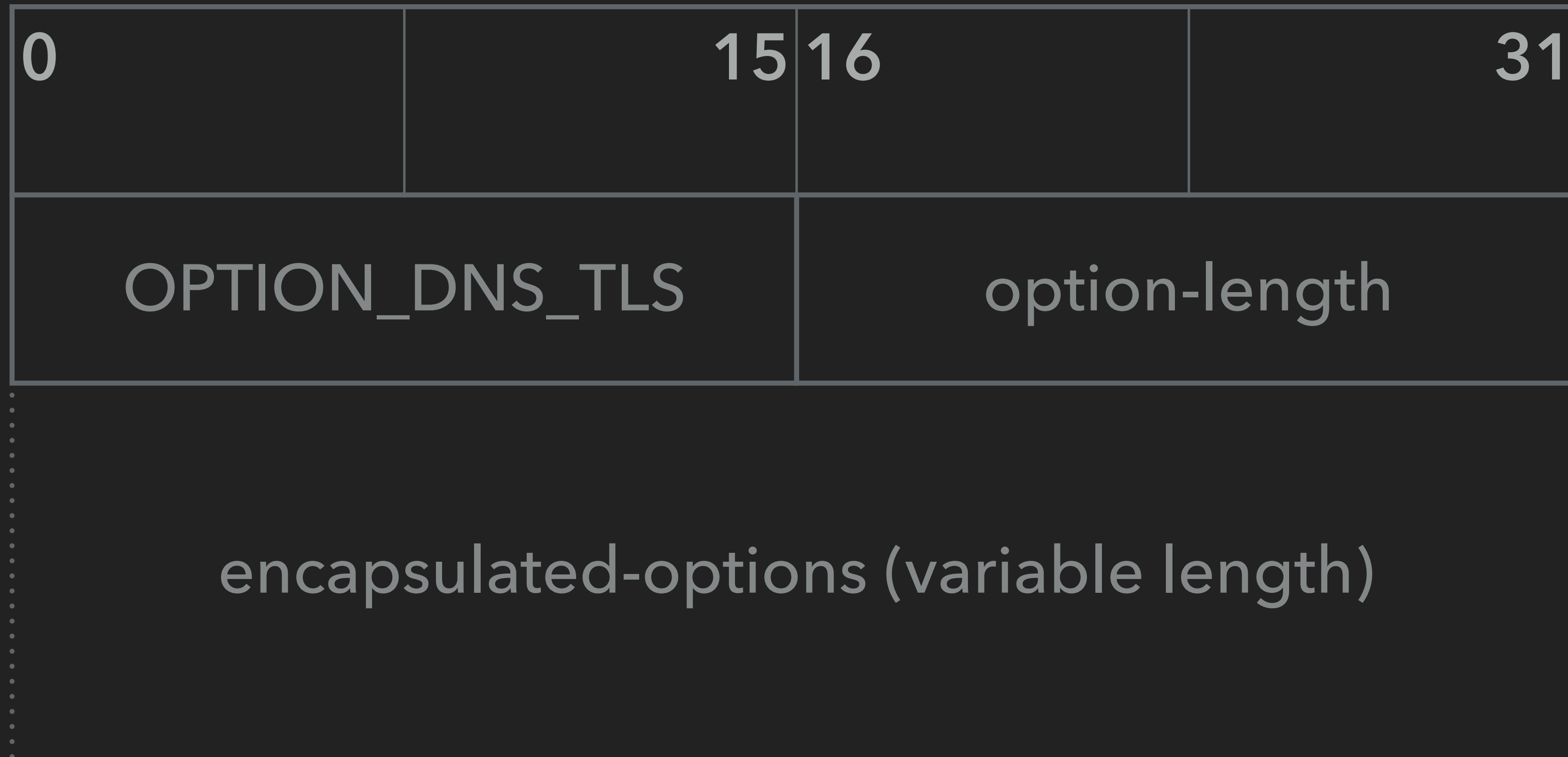
WHY ENCAPSULATED OPTIONS?

Flexible, optional sub-options, unordered

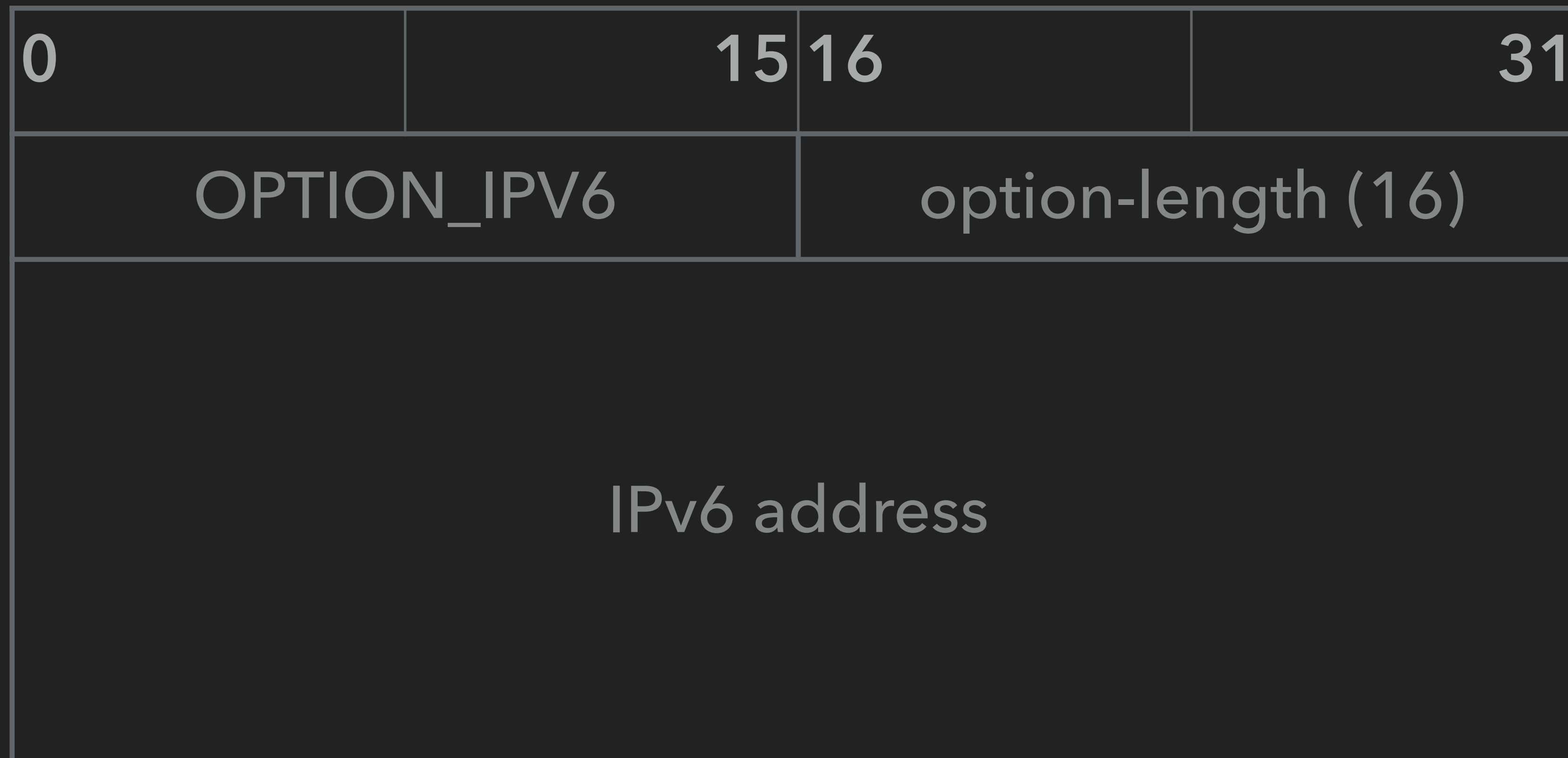
WHY DUPLICATE OUTER ENCAPSULATION OPTION?

Simplicity

DNS OVER TLS



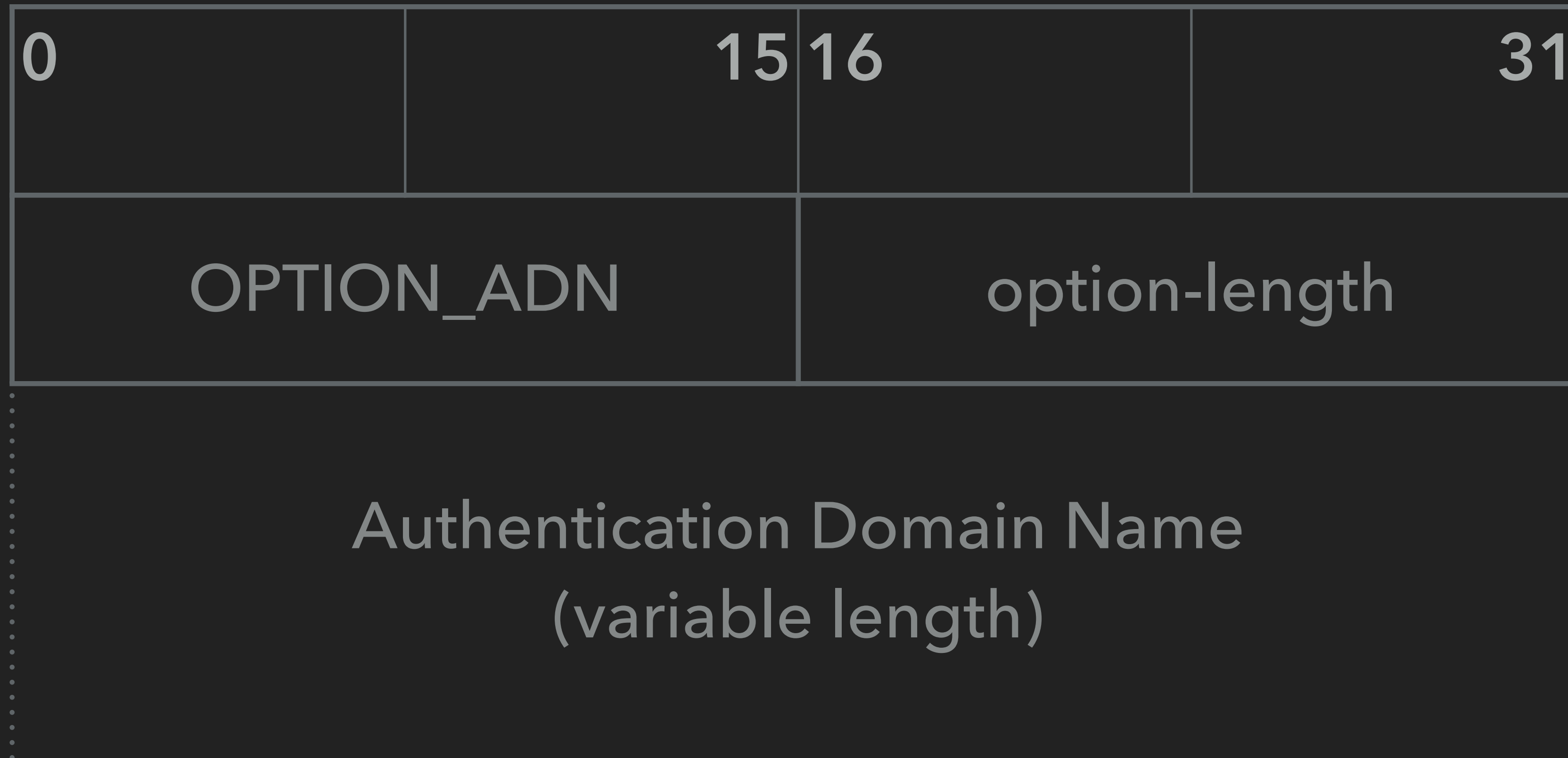
IPV6 ADDRESS OPTION



DO WE NEED ANOTHER IPV6 ADDRESS OPTION?

Could reuse RFC 3646 (OPTION_DNS_SERVERS)

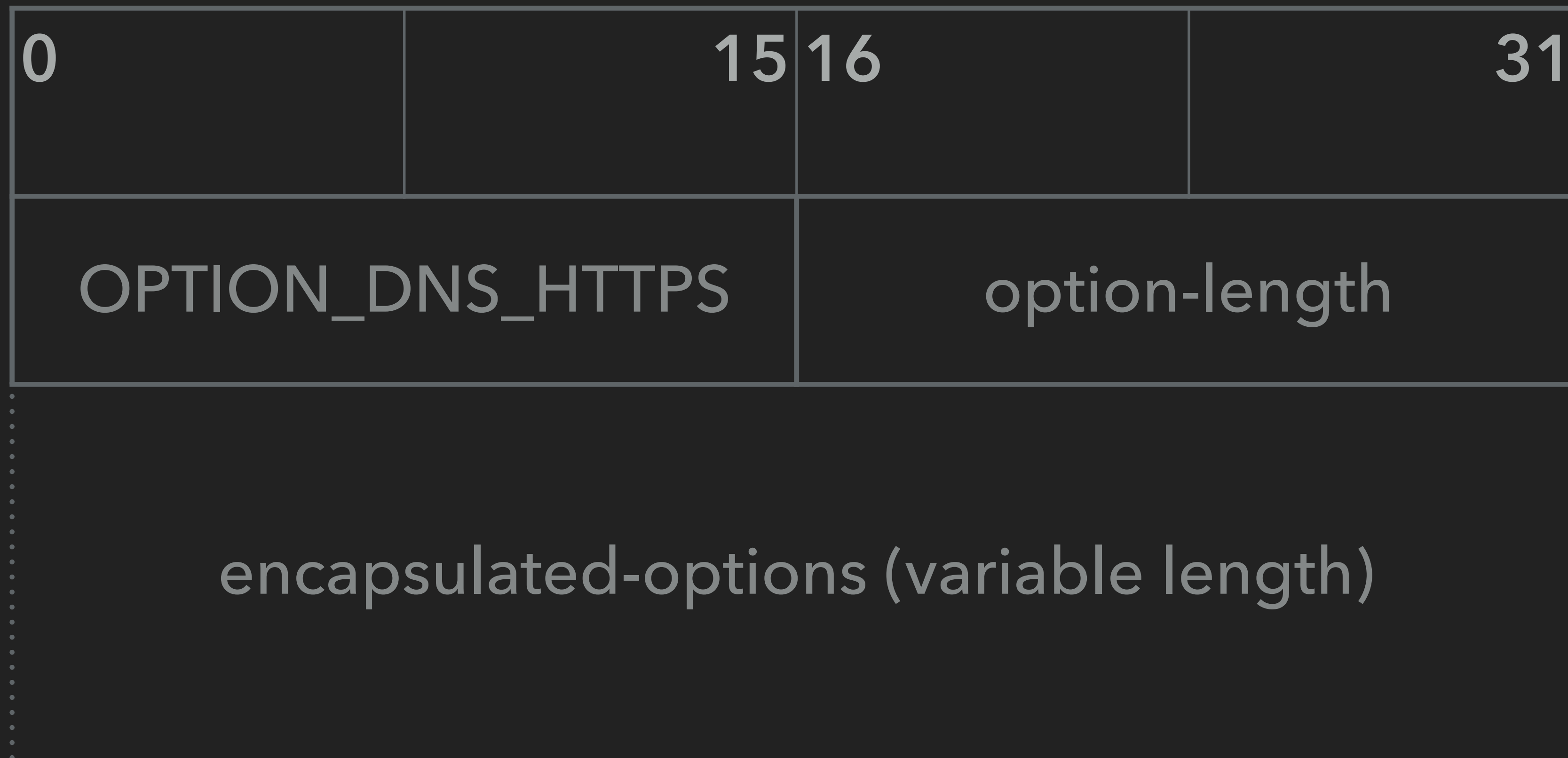
ADN OPTION



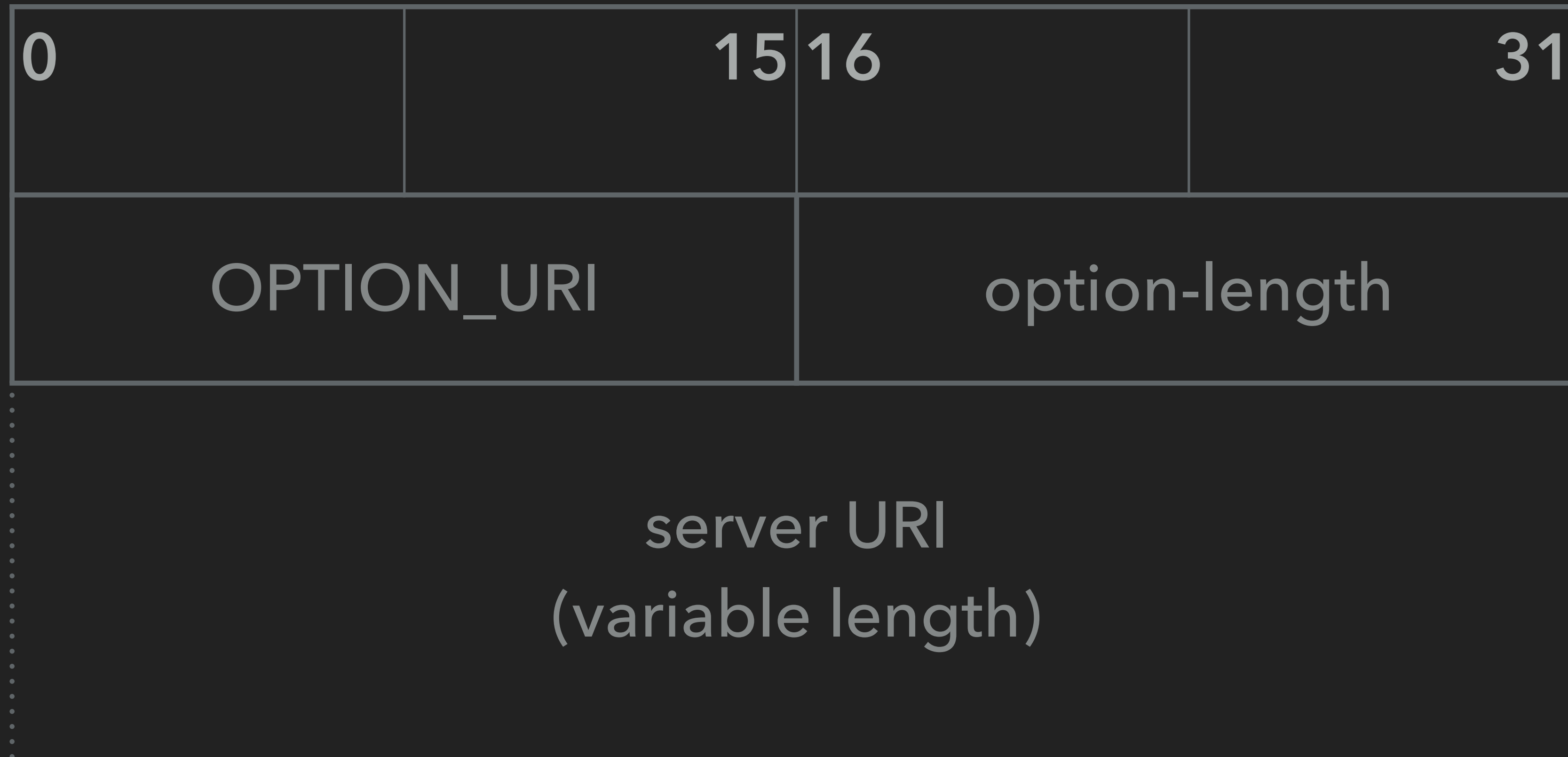
PORT OPTION

0	15	16	31
OPTION_PORT		option-length (2)	
port number			

DNS OVER HTTPS



URI OPTION



WHY NO SPKI OPTION?

incestuuous validation is of dubious value

SHOULD THE ORDER OF MULTIPLE TLS OPTIONS MATTER?

Won't the client have more current info than the operator?

**SHOULD THERE BE A PREFERENCE
AND/OR PRIORITY?**

Why should the network operator dictate this?

**FEEDBACK?
QUESTIONS?**

Thanks!