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IETF 102

WILLEM TOOROP

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# DHCPV6 DNS DISCOVERY

# WHY ONLY IPV6?

Don't worry, IPv4 is coming next!

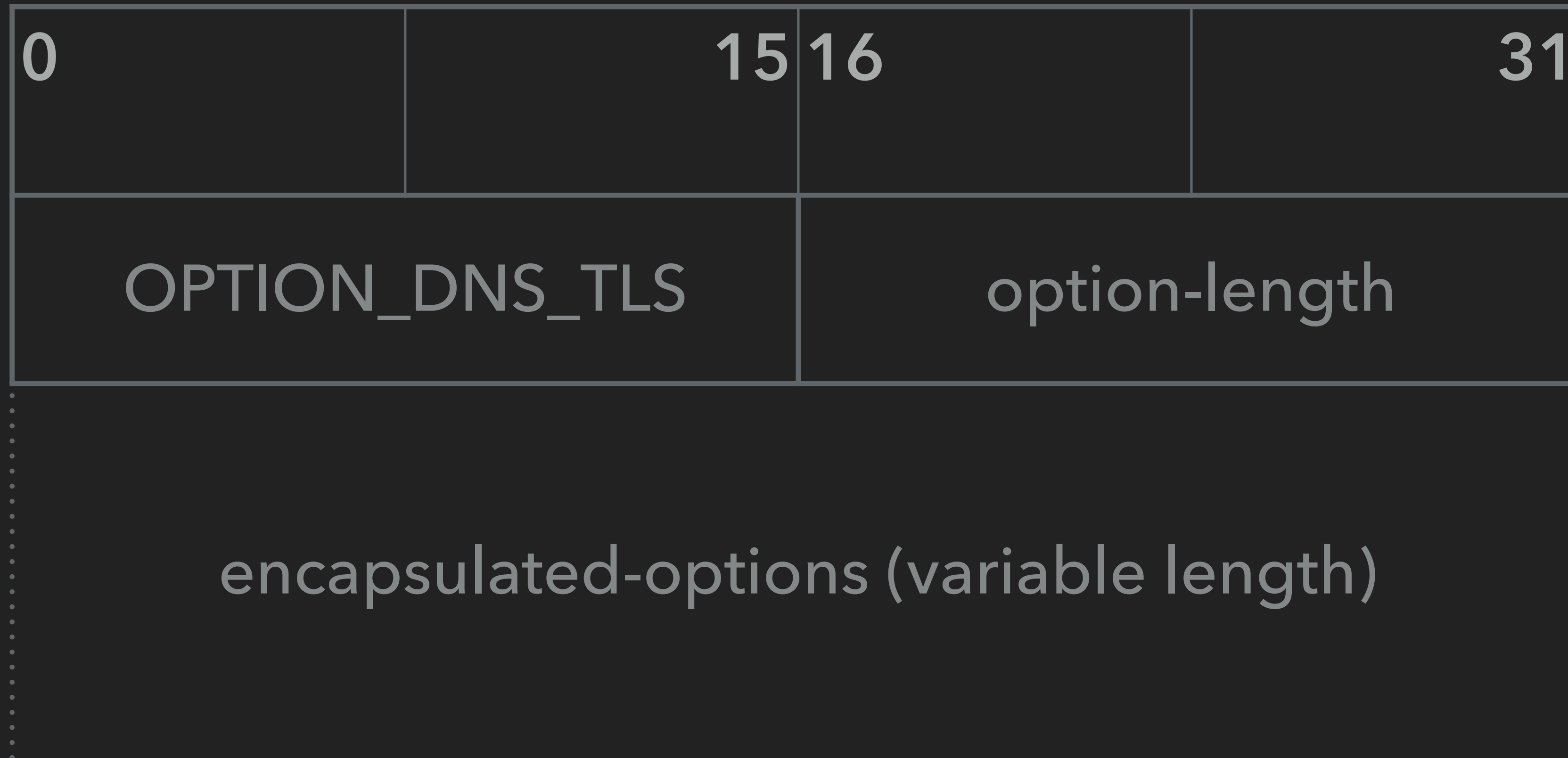
# WHY ENCAPSULATED OPTIONS?

Flexible, optional sub-options, unordered

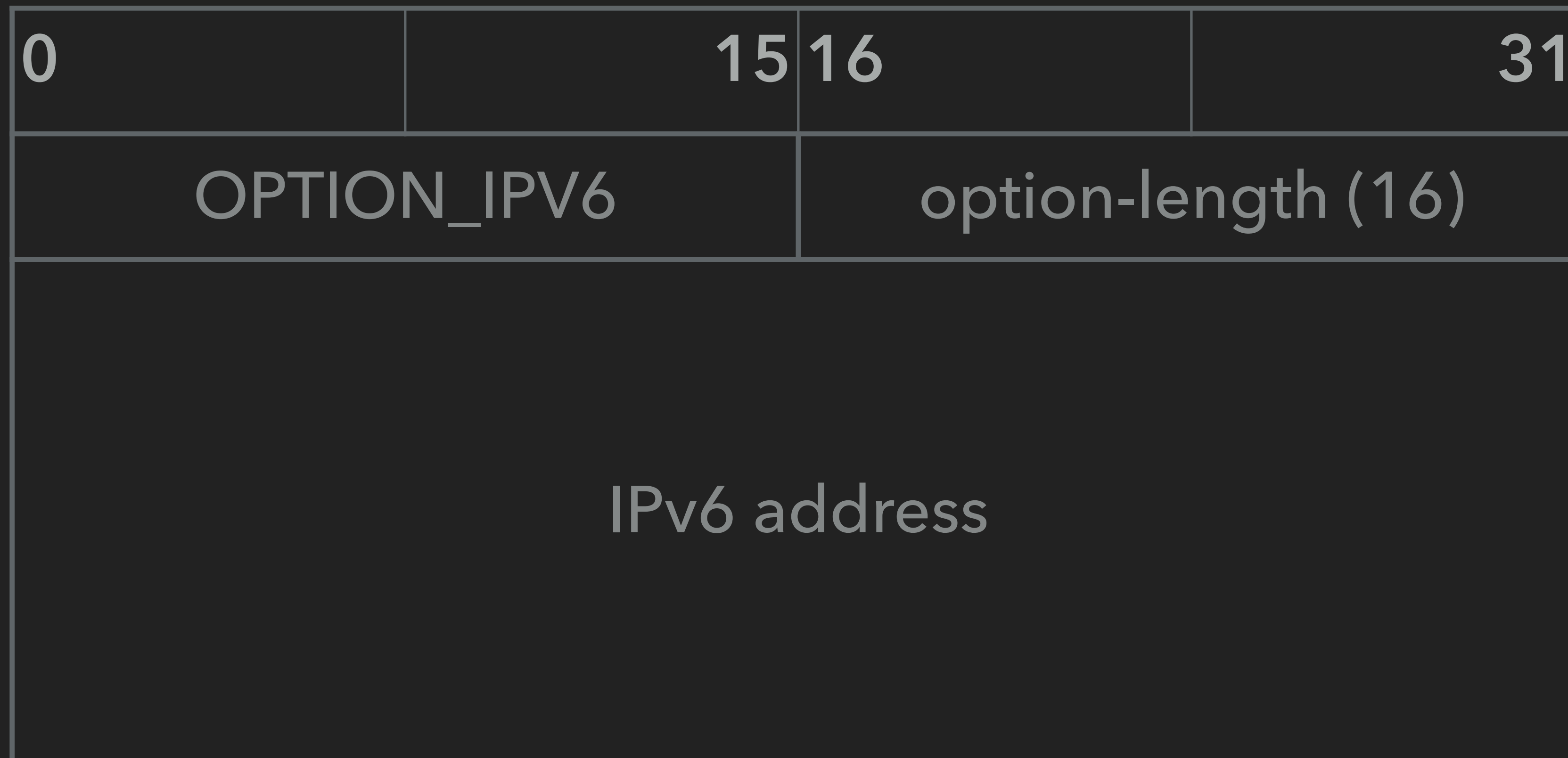
# WHY DUPLICATE OUTER ENCAPSULATION OPTION?

*Simplicity*

## DNS OVER TLS



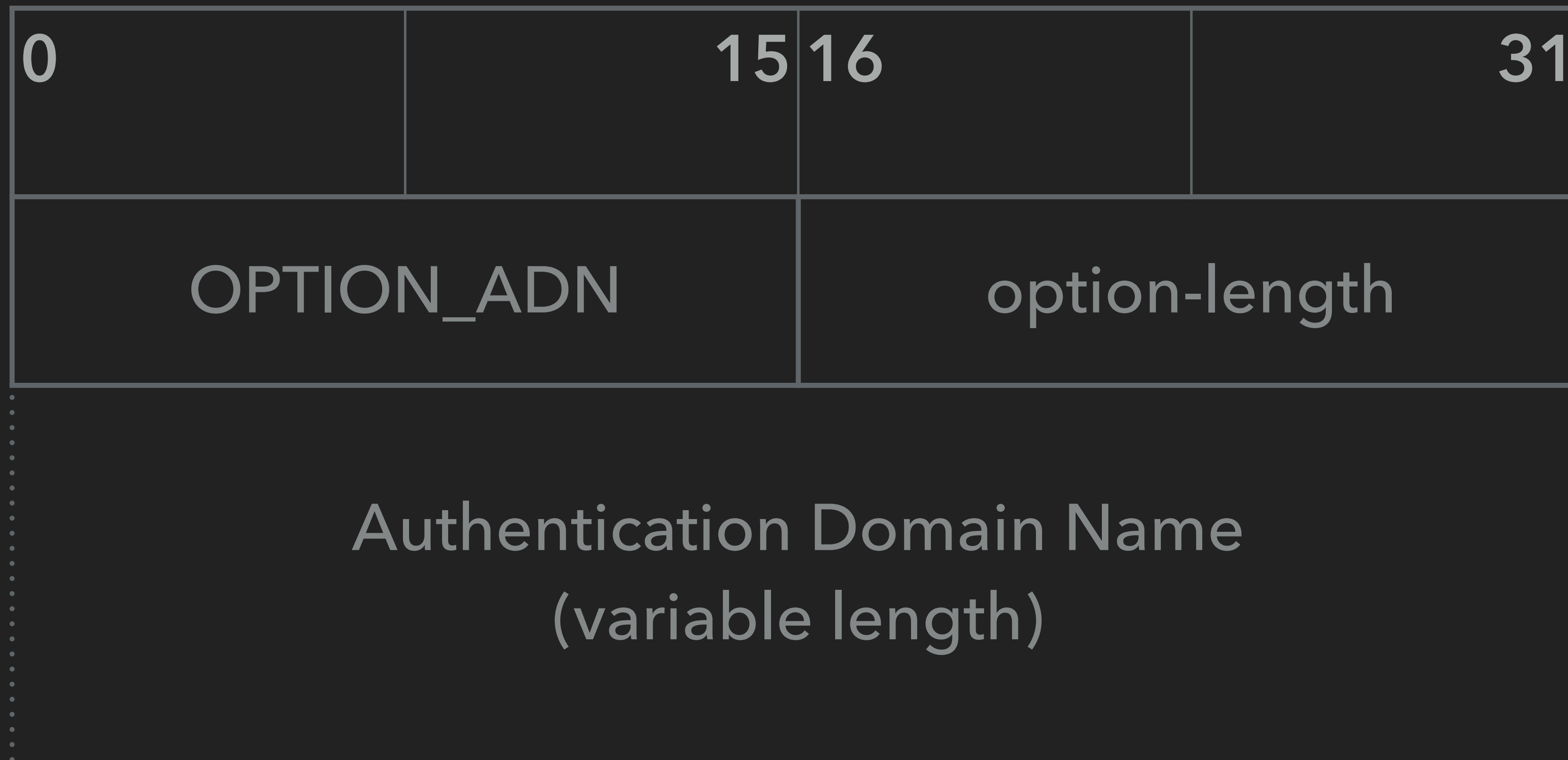
## IPV6 ADDRESS OPTION



# DO WE NEED ANOTHER IPV6 ADDRESS OPTION?

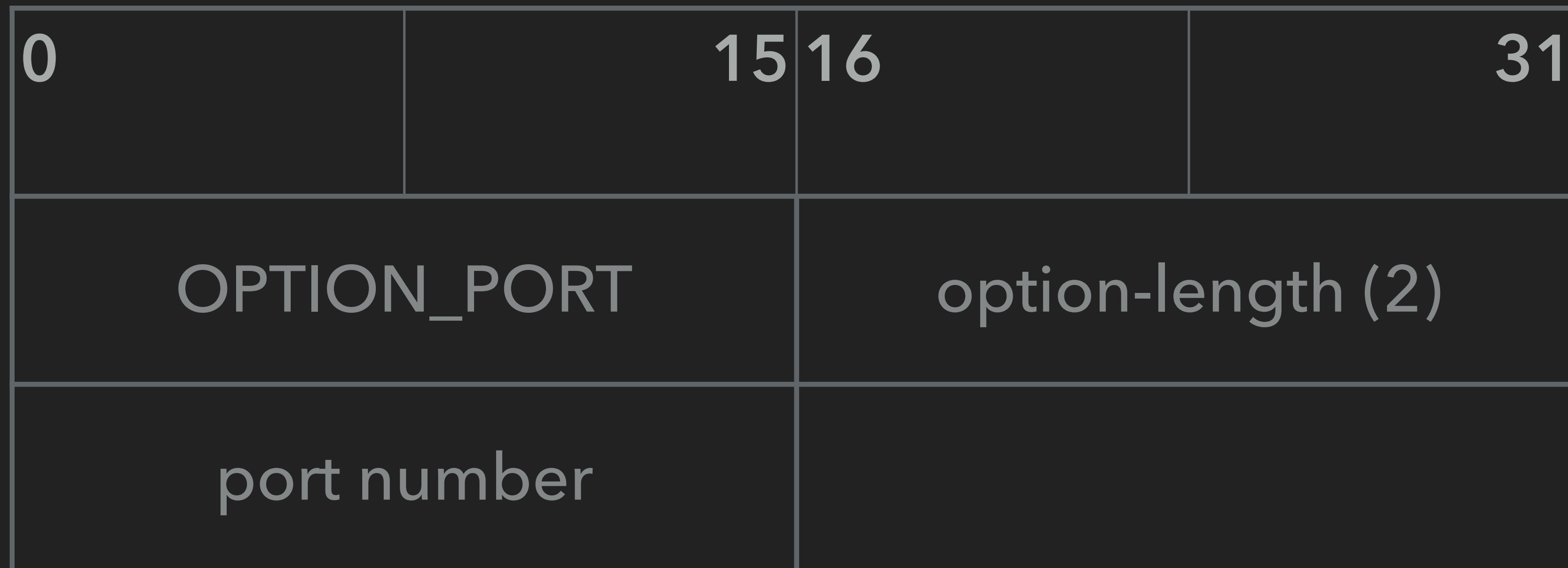
Could reuse RFC 3646 (OPTION\_DNS\_SERVERS)

## ADN OPTION

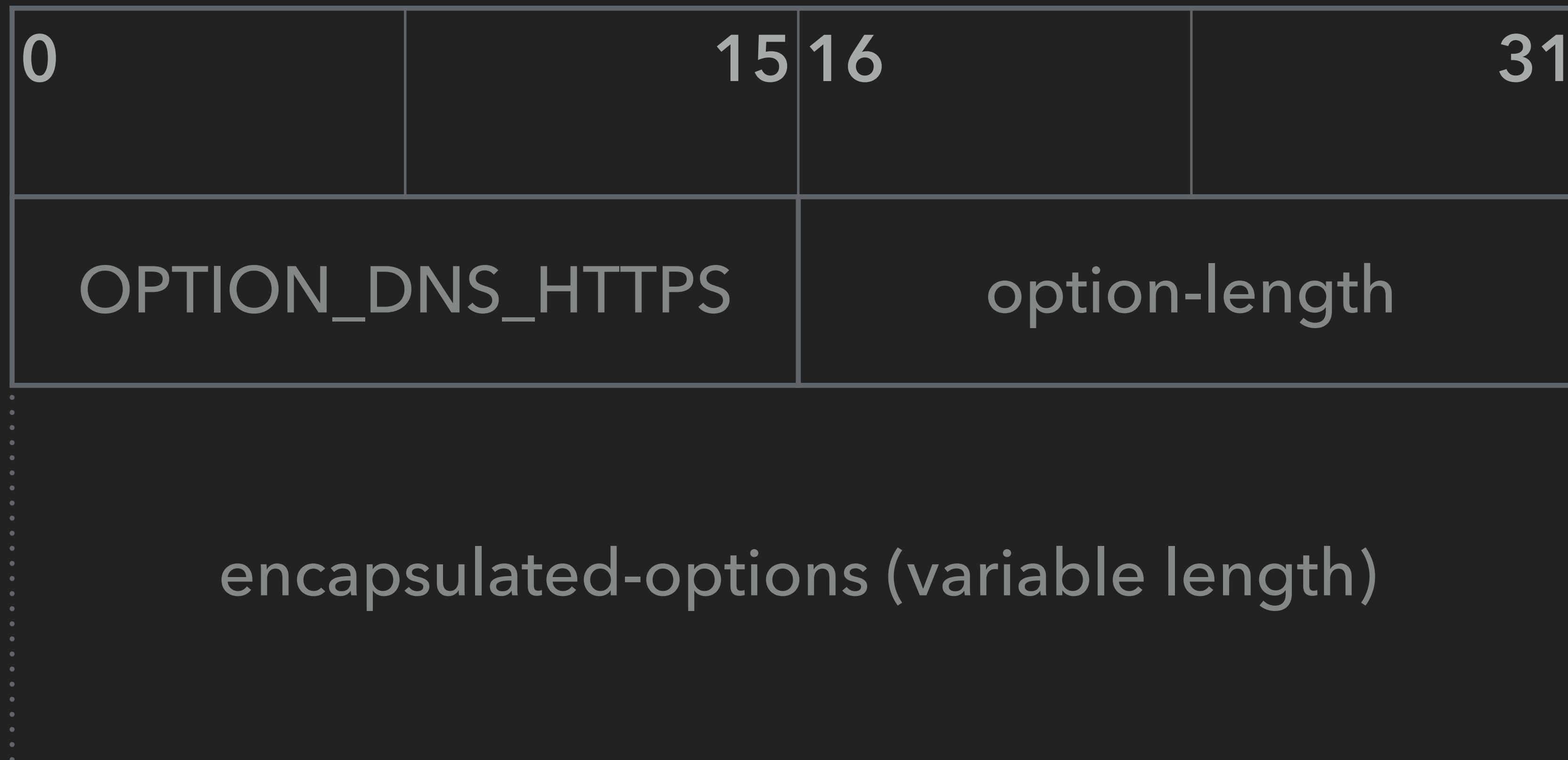




## PORT OPTION



## 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!**