DHCPv6 NTP Option

draft-gayraud-dhcpv6-ntp-opt-01.txt

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Problem Statement

- Network operators like to centrally configure IP services through DHCP

- DHCPv6 options are added to offer NTPv4 client configuration
Requirements

• Advertise NTP servers location

• Address both Public Internet and Private networks (Enterprise/Campus/ISP) requirements
Differences between -00 and -01

- Addition of FQDN with applicability statement
- Clarification on SNTP
- Removal of all parameters but NTP server location
FQDN

• Server location can be specified by FQDN in addition to IP addresses

• This is seen as an efficient tool to prevent or mitigate inadvertent flooding
Option structure

• A container for either:
  ▪ an IPv6 address sub-option,
  ▪ an FQDN sub-option,

• Option can appear multiple times.
How to move forward

• Comments on draft 01 – fate of RFC4075?
• Apply to NTP in general
• Rework parameters (done)
• Rework options syntax (done)
Thank You!