

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 !