

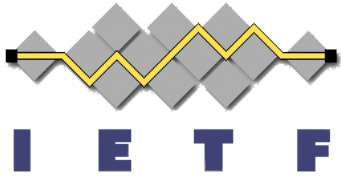
DHCP options for PAA

draft-ietf-dhc-paa-option-02.txt

Lionel Morand

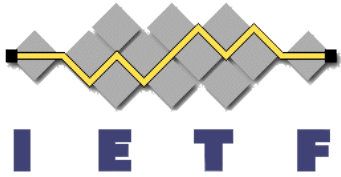
(lionel.morand@francetelecom.com)

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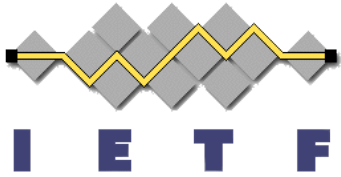
Summary

- Defines new DHCP options to locate PAAs in the access network
 - DHCP server provides clients with either:
 - A list of PAA domain names
 - Or a list of PAA IP addresses
- Approved as WG document in DHC WG



Change from -00

- Common draft for both DHCPv4 and DHCPv6 options
 - Based on request from the DHC WG chairs
- Defines two new DHCPv6 options:
 - OPTION_PAA_AGENT_D
 - Providing PAA domain name list
 - OPTION_PAA_AGENT_A
 - Providing PAA IP address list
- Defines DHCPv6 client/server behavior



Change from -01

- Re-definition of the DHCPv4 option
 - specified as a "container" of "sub-options"
 - Instead of using encoding rules
 - Two defined sub-options
 - PAA IP Address List
 - PAA Domain Name List
 - Clarification of the DHCPv4 client/server behavior

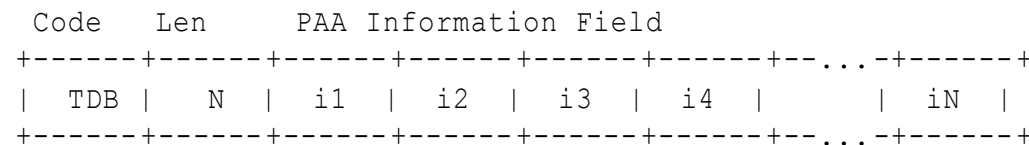


Figure 1: DHCPv4 option for PANA Authentication Agent

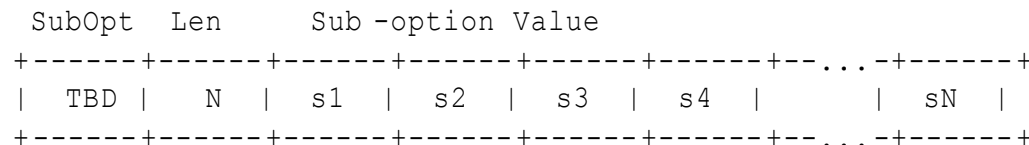
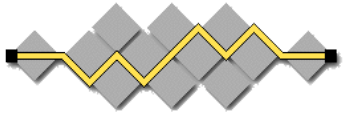


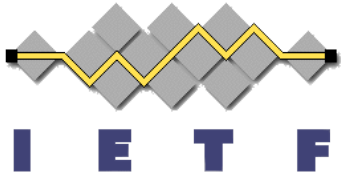
Figure 2: Encoding of of PAA Information field



I E T F

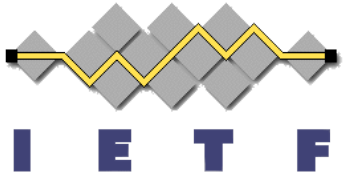
Open "issue": use of FQDNs

- Current status:
 - DHCP server may provide IP@ or FQDNs
- Issue: Are unauthenticated host able to reach DNS server?
- Proposed solution:
 - It's only a network configuration matter
 - Don't close the door to the use of PAA FQDNs!



Next Step

- No other issue
- Ready for WGLC (?)



Thank You

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