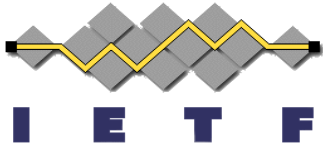


RADIUS extensions for PCP

draft-maglione-pcp-radius-ext-02

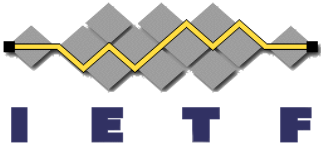
R. Maglione – Telecom Italia

D. Cheng – Huawei Technologies

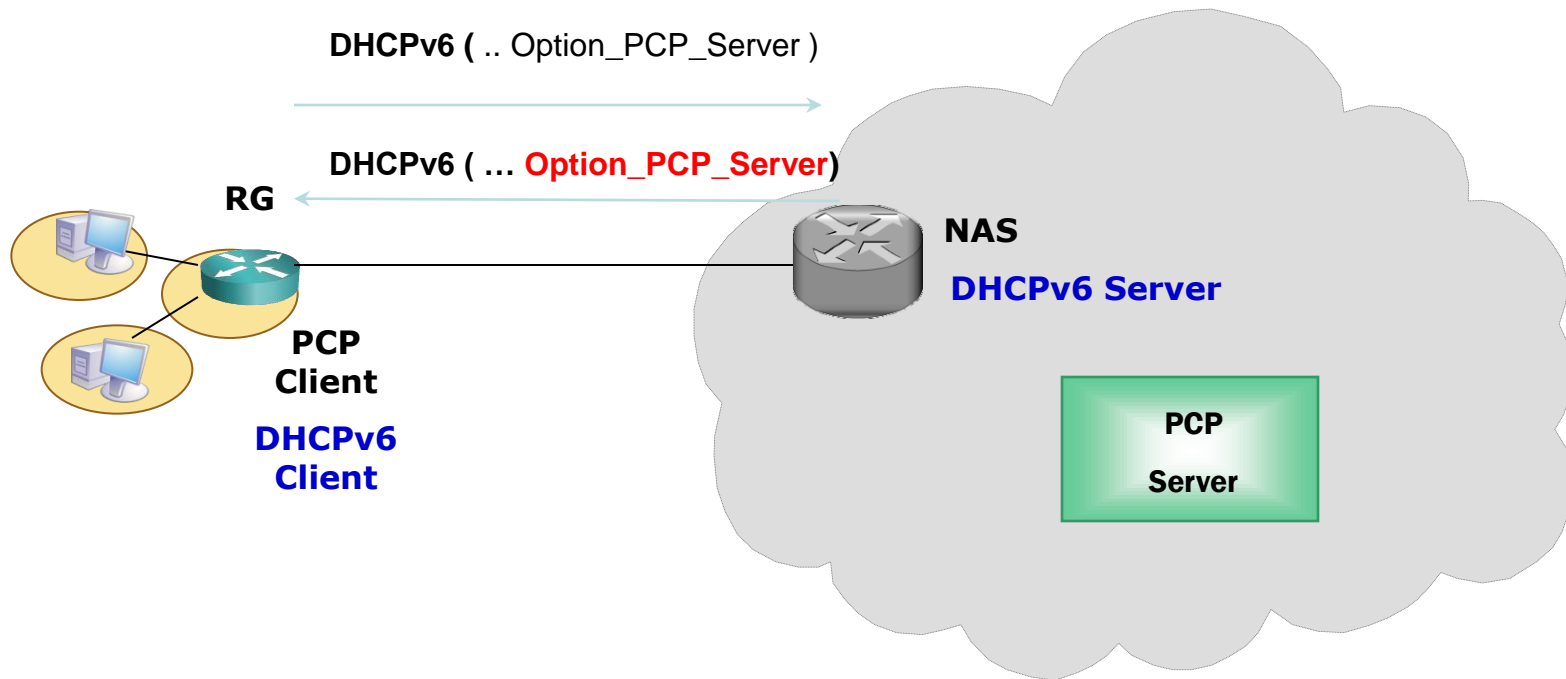


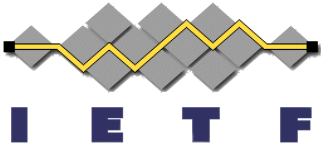
Motivations

- *draft-bpw-pcp-dhcp* defines DHCP and DHCPv6 options which can be used to provision a PCP Server reachability information (FQDN of a PCP Server)
- In a broadband network, customer information is usually stored on a AAA/RADIUS server and DHCP/DHCPv6 is used to populate user's configuration information
- This document specifies a new RADIUS attribute to carry FQDN of a PCP server
- A similar approach for provisioning the FQDN of the AFTR is already defined for DSLite in *draft-ietf-softwire-dslite-radius-ext*

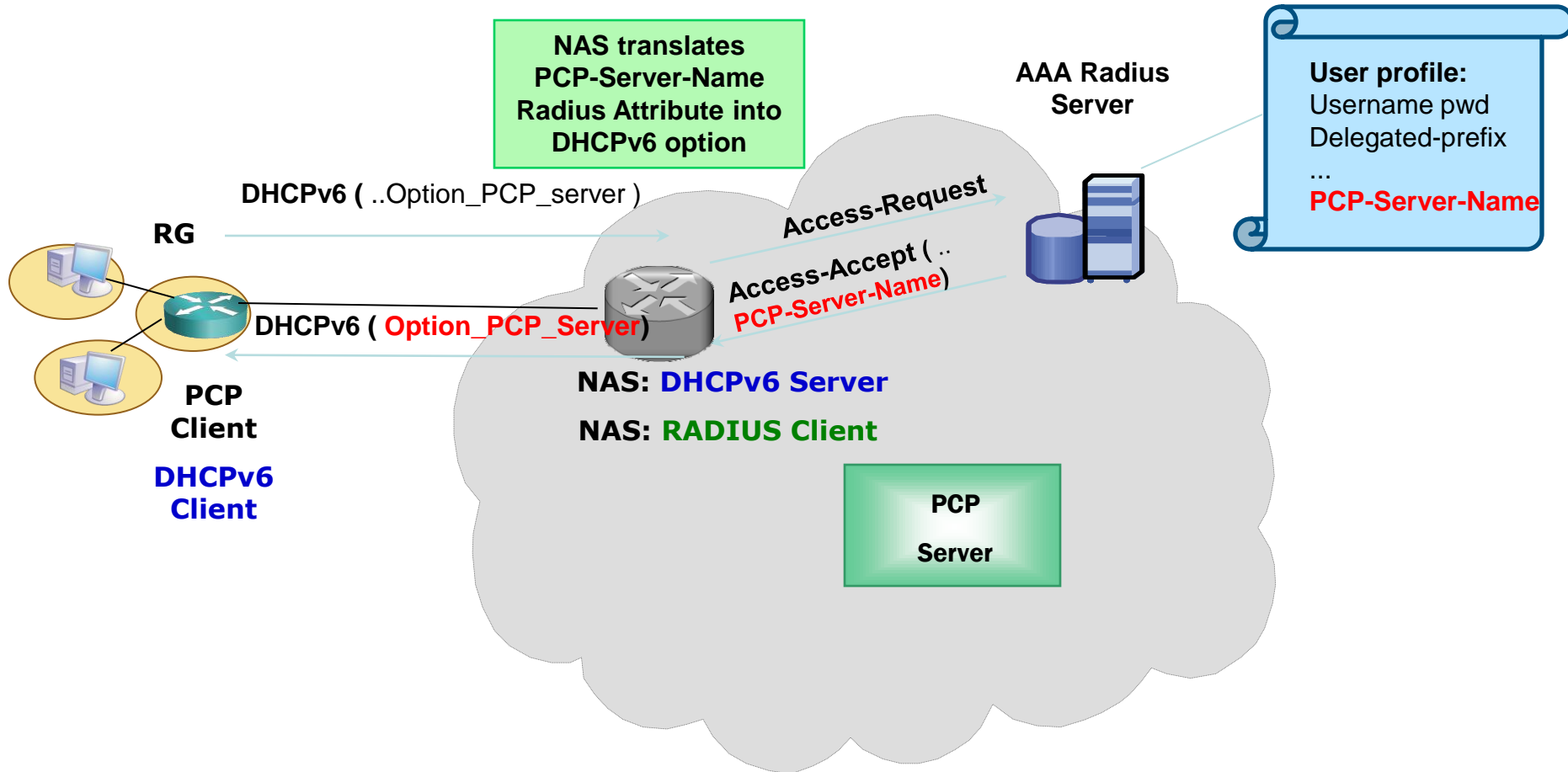


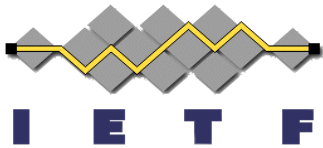
DHCPv6 based PCP Configuration



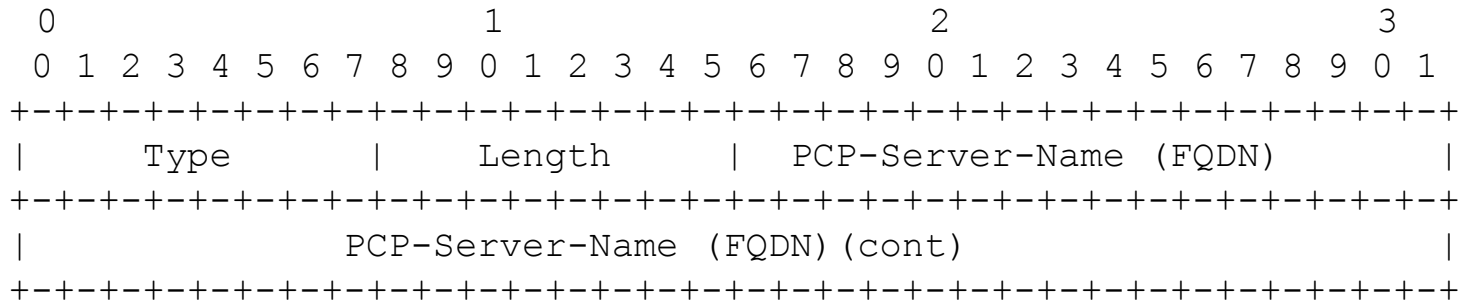


RADIUS + DHCPv6 based PCP Configuration

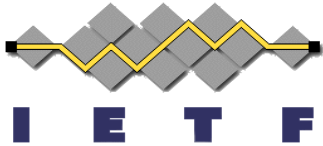




PCP-Server-Name Radius Attribute

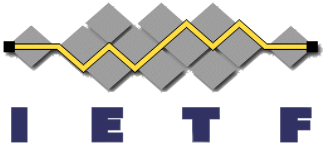


- The PCP-server-name attribute contains a Fully Qualified Domain Name (FQDN) that refers to a PCP server the client requests to establish a connection to for PCP related service.
- The NAS shall use the name returned in the RADIUS PCP-server-name attribute to populate the PCP Server FQDN DHCP Sub-Option in IPv4 addressing context, or the PCP Server FQDN DHCPv6 Option in IPv6 addressing context



Changes

- *-00*: initial draft
- *-01*: refresh of the draft with no change
- *-02*: this version integrates the comments received from Mohamed Boucadair



Questions?

