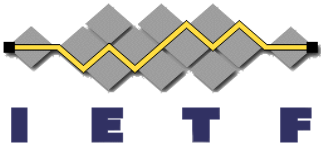


RADIUS extensions for PCP

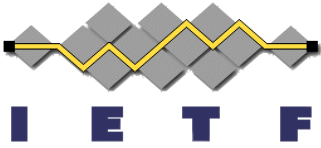
draft-maglione-pcp-radius-ext-05

R. Maglione – Telecom Italia, D. Cheng – Huawei Technologies
M. Boucadair – France Telecom

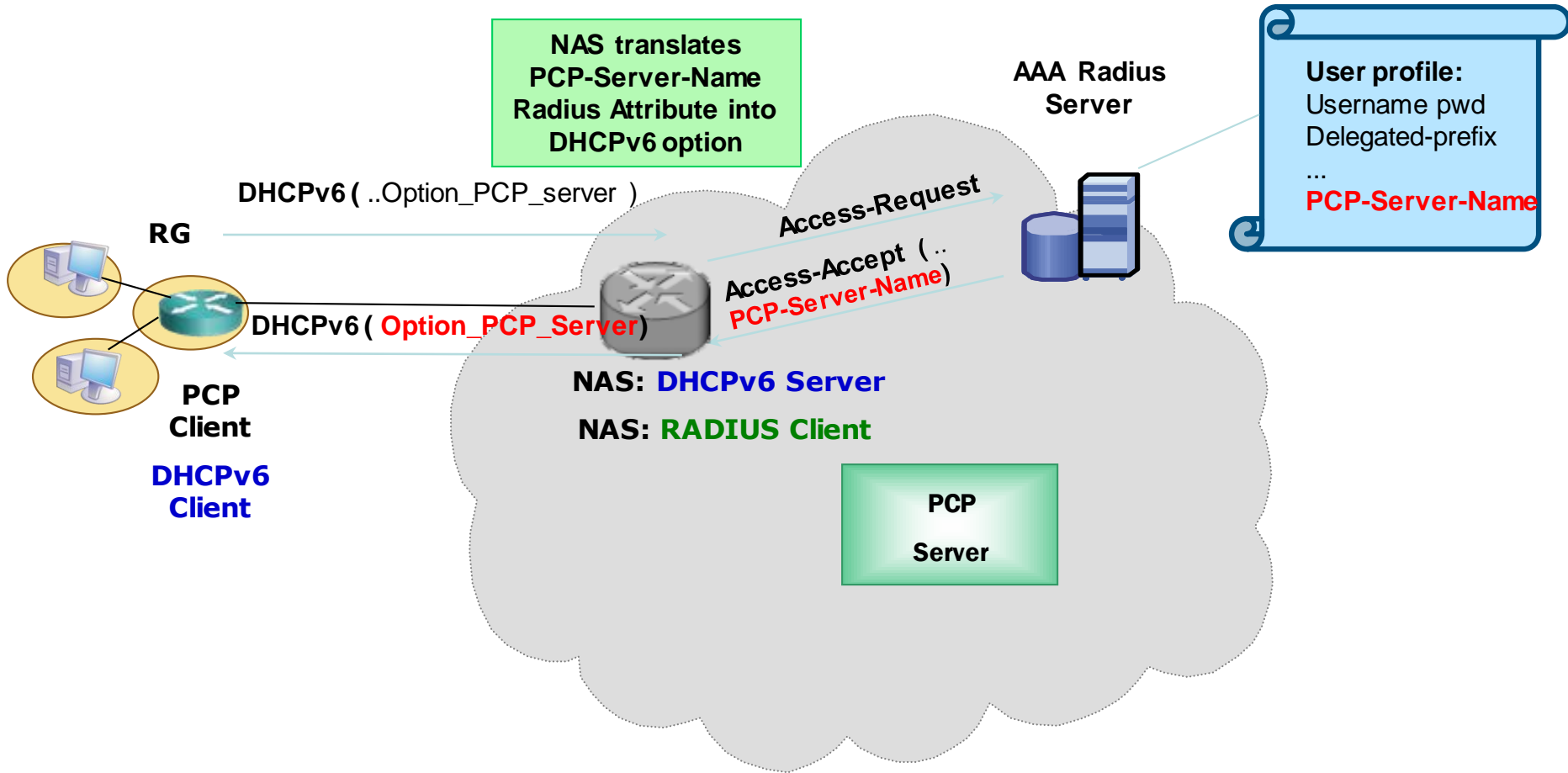


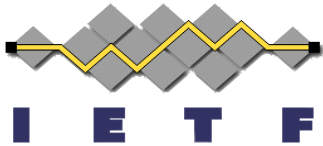
Motivations

- *draft-ietf-pcp-dhcp* defines DHCP and DHCPv6 options which can be used to provision a PCP Server reachability information
- 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 one or a list of PCP Server Name; the information can be conveyed to the NAS that is co-located with DHCP/DHCPv6 server, which then populates the DHCP/DHCPv6 option for its clients
- A similar approach for provisioning the FDQN of the AFTR is already defined for DS-Lite in RFC 6519

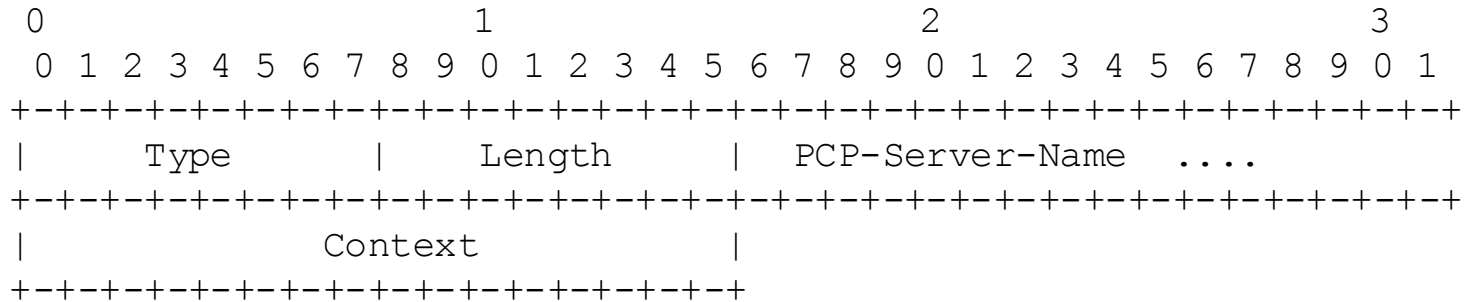


IPv6 scenario of applicability

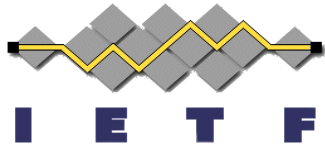




PCP-Server-Name Radius Attribute

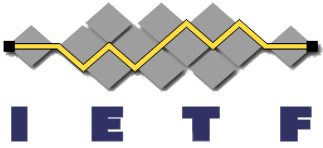


- The PCP-server-name attribute contains a name or a list of names that refers to a PCP server the client requests to establish a connection to for PCP related service
- The NAS shall use the name returned in the RADIUS PCP-server-name attribute to populate the PCP Server FQDN DHCP Sub-Option in IPv4 addressing context, or the PCP Server FQDN DHCPv6 Option in IPv6 addressing context
- Context: This field indicates the IP connectivity context (IP4, IPv6 or Dual-stack)



History/Changes

- -00: initial draft
- -01: just refresh of the draft with no change
- -02: integrated the comments received from Mohamed Boucadair
- -03: incorporated changes made in RFC 6519 to resolve IESG's comments
- -04: refresh and update to references
- -05: added Mohamed as co-author, replaced FQDN with “a name or a list of names”, editorial changes/clean up



Questions?

