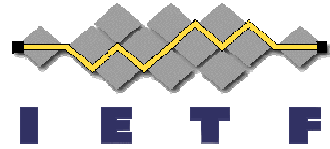


# **RADIUS extensions for PCP**

***draft-maglione-pcp-radius-ext-05***

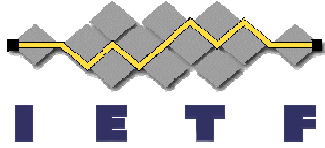
**IETF 86 Orlando**

**R. Maglione, M. Boucadair, D. Cheng**

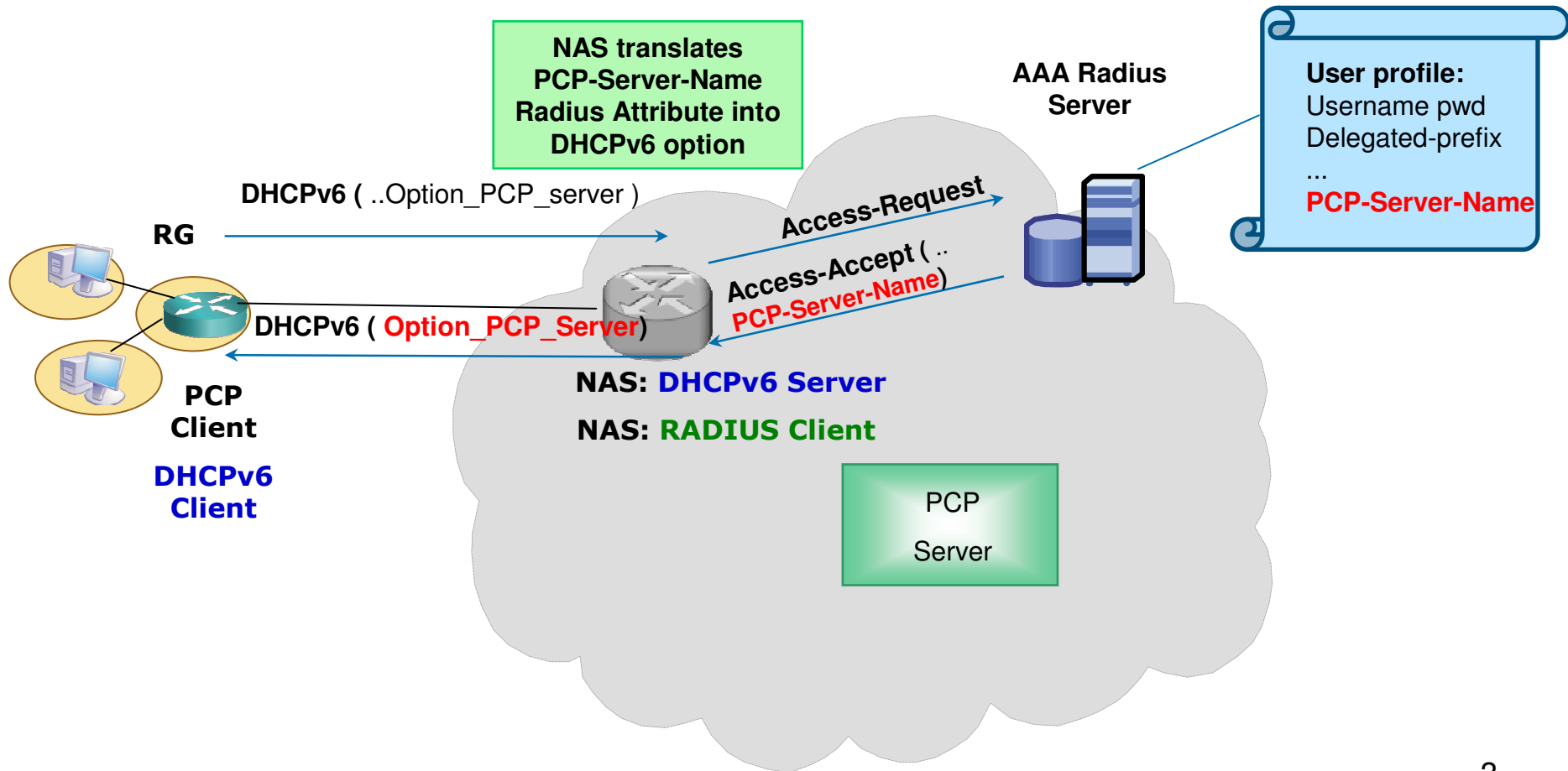


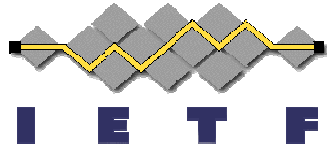
# Motivations

- *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 Names; the information can be conveyed to the NAS that is co-located with DHCP/DHCPv6 server, which then populates the DHCP/DHCPv6 option to its clients.
- A similar approach for provisioning the FDQN of the AFTR is already defined for DS-Lite in RFC 6519.

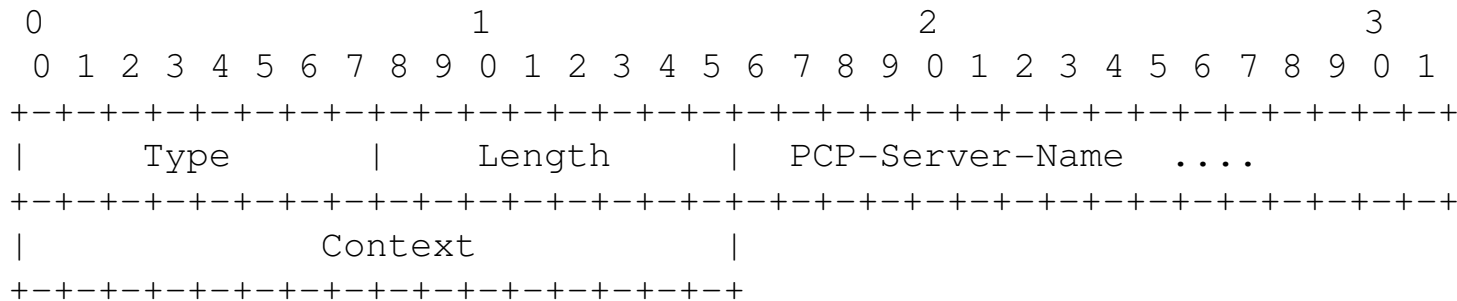


# IPv6 Scenario of applicability

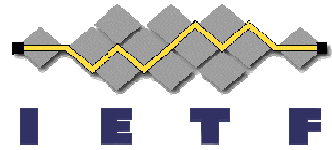




# PCP-Server-Name Radius Attribute



- 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
  - Aligned with draft-ietf-pcp-dhcp
- The NAS shall use the name returned in the RADIUS PCP-server-name attribute to populate the PCP Server Name DHCP Option in IPv4 addressing context, or the PCP Server Name DHCPv6 Option in IPv6 addressing context
- **Context:** This field indicates the IP connectivity context (IPv4, IPv6 or Dual-stack)



# Next Step

- *The document is stable*
- *We think it is ready for WG adoption*