

DHCP Options for the Port Control Protocol (PCP)

draft-ietf-pcp-dhcp

IETF 83-Paris, March 2012

M. Boucadair, R. Penno and D. Wing

Changes Since -00

- **-01 (November 2011):** Integrate all comments received from B. Voltz and T. Lemon
 - Remove sub-options
 - Remove Sections 5.3 and Section 6.2
 - Harmonize terminology: use DHCPv4 instead of IPv4 DHCP
 - Remove the reference to RFC3396
- **-02 (January 2012):** Integrate comments received from **D. Thaler**
 - Use “Name” instead of FQDN
 - Add a paragraph about multi-interface issues
 - Add a procedure to select an IP address of the PCP Server
 - Some edits

Next Step

- Ask for a WGLC

IP Address Selection: Rationale

- Two modes are defined
 - Serial Queries Mode: only one server is contacted
 - Parallel Queries Mode: All servers are contacted in //
- More than one PCP Server Name occurrence may be returned by the DHCP Server
 - If one Name instance is received, the PCP client follows the Serial Queries Mode
 - If several Name instances are received
 - The PCP Client contacts in parallel all PCP Servers
 - For each PCP Name option occurrence, the PCP Client resolves the conveyed name; if more than one IP address are returned, the PCP Client follows the Serial Queries Mode