

Port Control Protocol (PCP) Proxy Function

draft-ietf-pcp-proxy

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Changes Log

- **-03 changes**

- After the meeting in Orlando, a thread was initiated to converge on the behavior to be followed for unknown opcodes and unknown mandatory-to-process options
 - Refer to the archives
- A text proposal was shared in the list and call for comments was launched
- After several weeks, the text was adopted

- **Interim Meeting**

- Dan's proposal was not accepted
- No text change is required

Changes Log

- **-04 changes**
 - Mainly as a result of Dave's review
 - Add an explicit text about configuring which interface(s) the PCP Proxy will act on as a PCP Server
 - Explicit the PCP error code to be returned
 - Explicit the ICMP error code to be returned when an error on the UDP socket is experienced (ICMP Destination Unreachable message with code 3 (Destination Port Unreachable))
 - The PCP Proxy is now in charge to enforce the message size limit instead of relaying the message to the ultimate server
 - **If the PCP Proxy processing (e.g., adding a THIRD_PARTY Option) makes a request that exceeds 1100 octets, a MALFORMED_REQUEST response is sent to the PCP client**
 - Several editorial changes

Changes Log

- Added this new text under security considerations

“ This document defines a procedure to create PCP mappings for third party devices belonging to the same subscriber. Means to prevent a malicious user from creating mappings on behalf of a third party must be enabled as discussed in Section 13.1 of [RFC6887]. In particular, THIRD_PARTY option MUST NOT be enabled unless the network on which the PCP messages are to be sent is fully trusted. For example if access control lists (ACLs) are installed on the PCP Proxy, PCP server, and the network between them, so those ACLs allow only communications from a trusted PCP Proxy to the PCP server.”

– This text is inspired from RFC6970

- Proxy implication on authentication are out of scope and should be specified in pcp-authentication document

Next Step

- Is there any missing point not covered in the draft?
- If not, we suggest to last call -04