NAT-PMP PCP IWF

Mohammed Boucadair, Reinaldo Penno,
Dan Wing, Francis Dupont

IETF 80, Prague

Open Questions (1)

- Obviously simple IWF should be renamed 'relay', a proposal for the smart IWF?

- Current proposal, applied to these slides: **_relay_** and **_proxy_**

- Solved?

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Plan

- What is it

- Public address requests

- Open Questions

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What is it (1)

- NAT-PMP InterWorking Function:

  - NAT-PMP clients on internal hosts

  - PCP Server somewhere

- NAT-PMP relay (NAT-PMP is LAN only)

- NAT-PMP proxy (required one in the home domain, integrated in an UPnP IGD IWF / PCP Proxy)

What is it (2)

- Similar to simple/smart PCP Proxy

- Straightforward NAT-PMP new port mapping / PCP MAP message translation

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Public Address Requests

- Only a NAT-PMP proxy can generate the response from its state

- A NAT-PMP relay forwards the request to the NAT-PMP proxy of the home domain:

  - a relay is required by LAN with NAT-PMP clients but without a proxy

  - a proxy is required on the home domain

  - the state of a relay is limited to what is needed to forward back response to clients

Open Questions (2)

- draft-woodyatt-spnatpmp-appl-01.txt specified a new error code for NAT-PMP

- should IWFs use it?

- note we want a policy which will be applied to **all** NAT-PMP PCP IWF implementations