

# Learn NAT64 PREFIX64s using PCP

**I-D. boucadair-pcp-nat64-prefix64-option**

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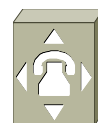
**M. Boucadair**

# Problem

- Applications using IPv4 address referrals
- Local synthesis in the host (e.g., DNS64 resolver embedded in the host)
- An example is shown below



SIP UA



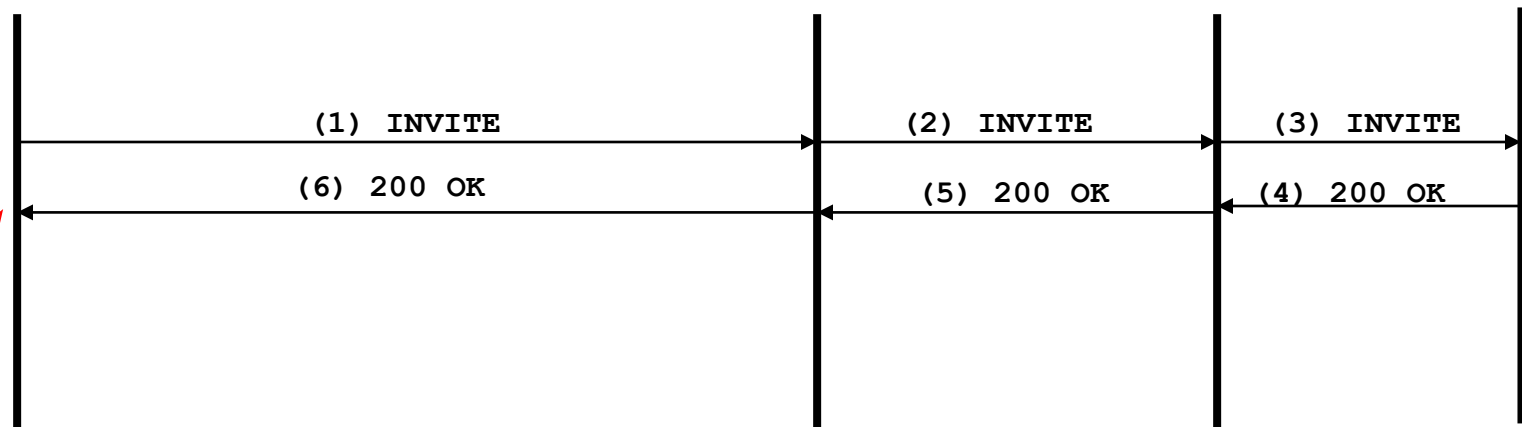
NAT64



Proxy



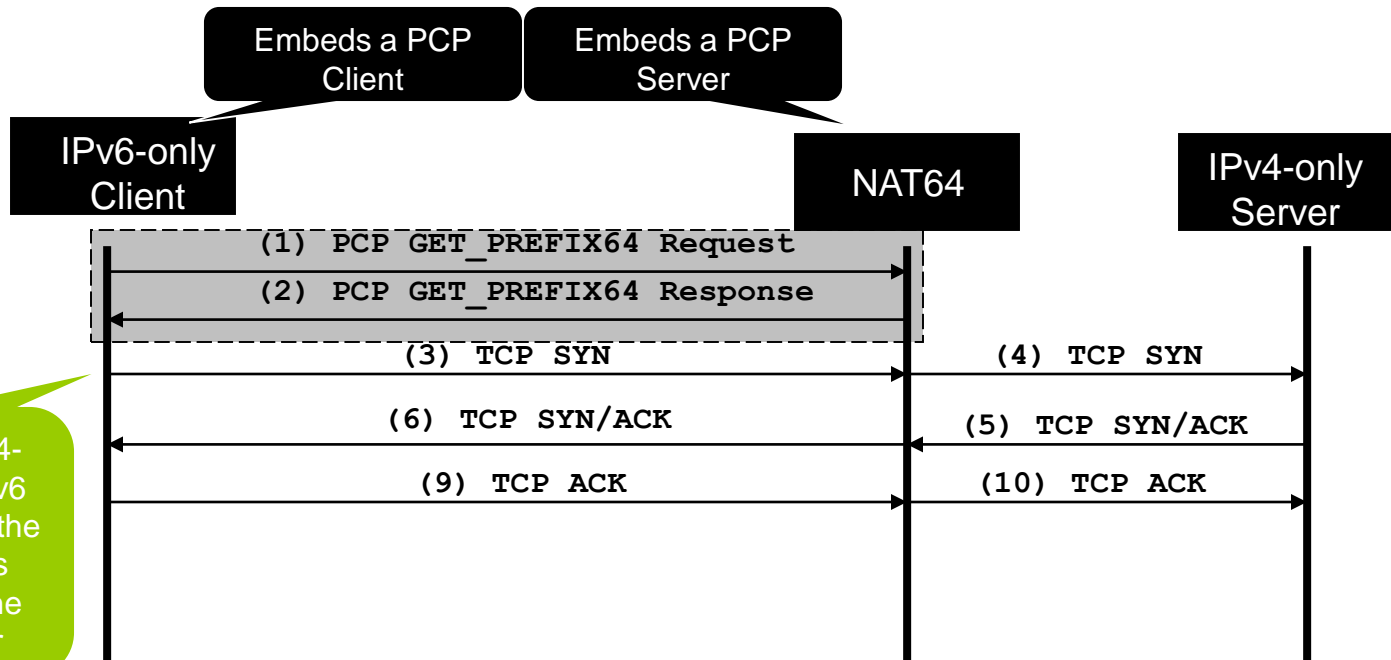
IPv4 UA



SDP Answer includes IPv4 addressees only. This answer will be rejected by the IPv6-only SIP UA

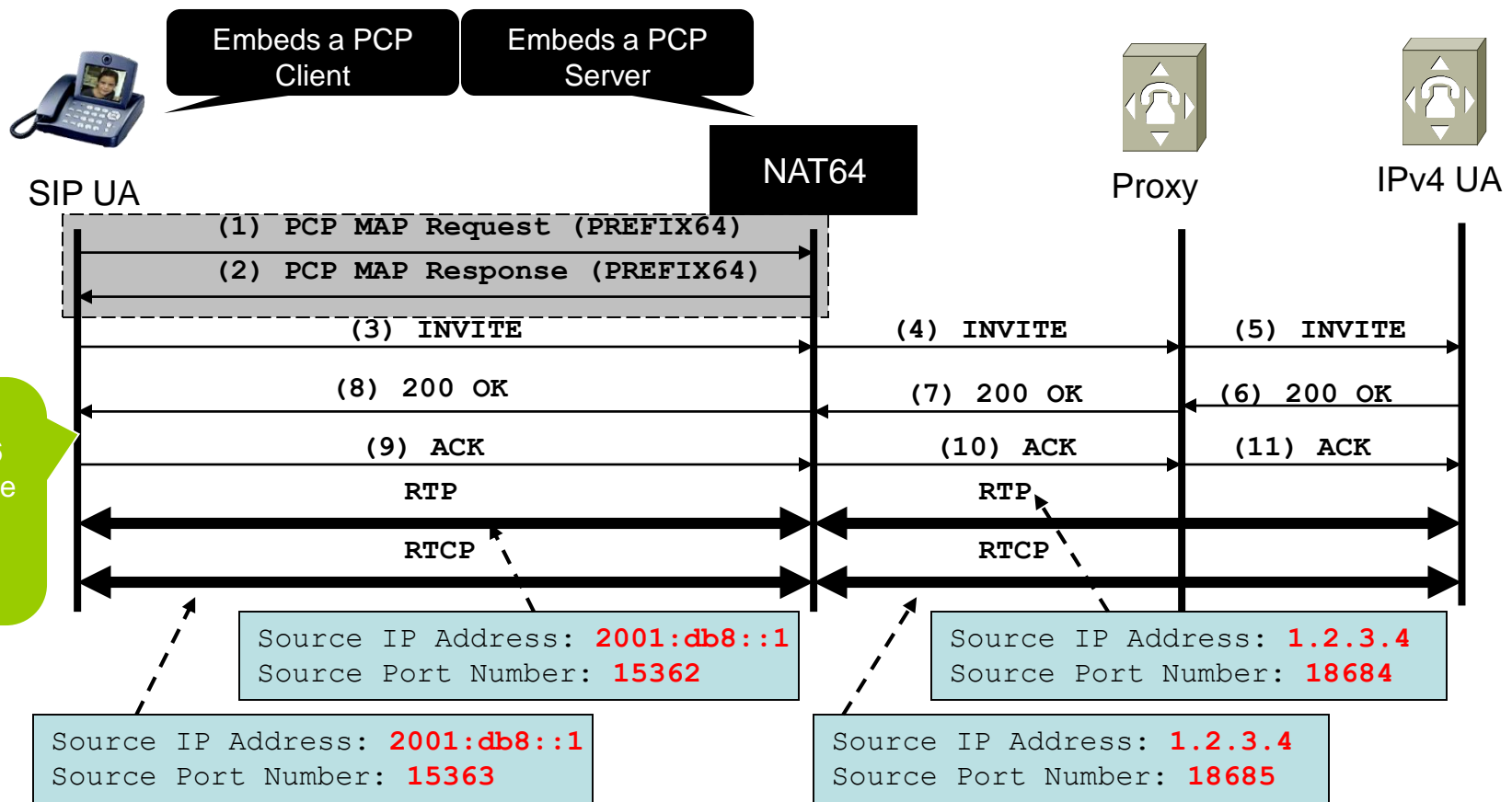
# Solution

- Retrieve the PREFIX64 from the PCP Server
- An example is shown below



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# Status & Next Steps

- Android implementation and validation
  - PCP Client and SIP UA
  - Easy to support
- Simple solution for a well defined problem
- Both an option and an OpCode are defined to retrieve PREFIX64
- Request to adopt this document as WG item