

PCP Server Discovery in Mobile Networks with SIPTO

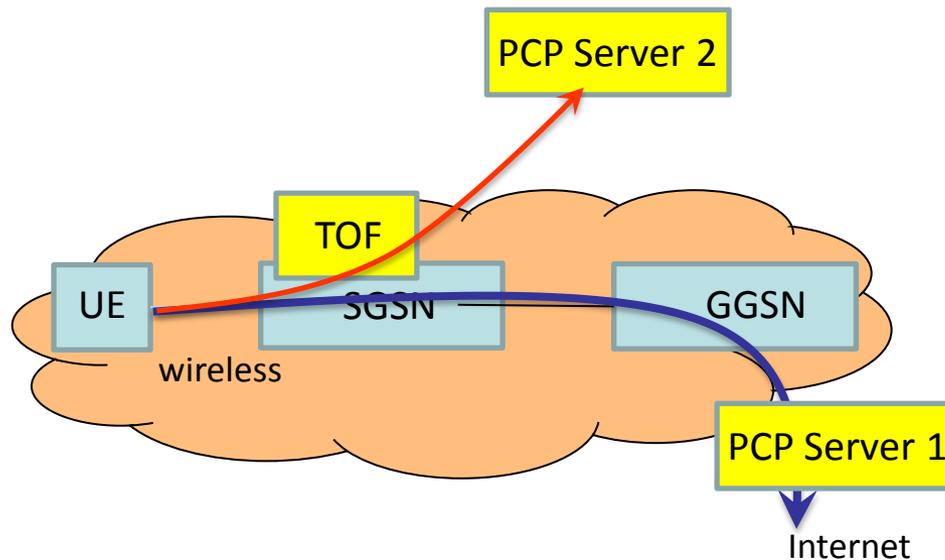
draft-chen-pcp-sipto-serv-discovery-00

IETF 88- Vancouver, Nov 2013

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Problem statement

- PCP Client on the mobile node will not know whether a flow will traverse the Mobile Packet Core or will get offloaded at the TOF and hence will not know which PCP server to send its requests



Solution

- The proposal is for the relay agent to influence the DHCPv4 Server to opt for the PCP server address proposed by the Relay Agent over the one configured on the DHCPv4 Server
- **The behavior of UE:** includes OPTION_PCP_SERVER in the Parameter Request List Option of DHCPv4 Discover/Request message
- **The behavior of relay agent:** insert the PCP server IP into PCP Server suboption
- **The behavior of DHCPv4 server:** populate the suggested PCP server IP address in the DHCPv4 Offer/Ack message

Next Steps

- Is it a useful input to WG?
- Comments/feedback?