

ALTO Server Discovery

draft-ietf-alto-server-discovery-01

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Editorials in -01

- mainly language fixes
- Section 2 Protocol Overview
 - Added clarification to *User Input*
 - “This input may also origin from a web page where the user downloads the configuration which is loaded as user input.”

Section 4.1. Applicability for Resource Consumer Server Discovery

- ALTO client can have multiple IP addresses
 - Public and private, multiple thereof
- New text just describes options how to determine a (public) IP address
 - List is for sure incomplete
- Options listed
 - Proprietary
 - STUN [RFC5986]
 - UPnP [UPnP-IGD-WANIPConnection1]
 - NAT-PMP [I-D.cheshire-nat-pmp]

New: 5.2. DHCP option for DNS Suffix

- Issue: DHCP options + home gateway + end host
- DHCP options must be correctly passed through
 - home gateways sometimes do not forward
 - home gateways sometimes modify options
 - same for hosts
- Home gateways often set DNS suffix to
 - .local or .box
- Needs some more reading on related work

How to handle multiple results

- ALTO client can have multiple IP addresses
 - Either on same interface or different
- There may be multiple ALTO servers being discovered, e.g.,:
 - IP_1 : ALTO server big ISP1
 - IP_2 : ALTO server mobile ISP1
- Proposal:
 - remember all ALTO servers and the host IP_x where discovered
 - ALTO client must know for which host IP_x the ALTO query is
 - use the appropriate ALTO server
 - limit received guidance to the particular host IP_x

Next Steps

- Authors have asked for Expert Review
 - Draft touches DNS issues
 - Waiting for this to be completed
- Other open issues in the draft
 - Handling of reverse DNS lookups for IPv6
 - Bigger issue “outside” of ALTO
 - Normative Language
 - Editorial

Thank you
and
Time for your questions!

Acks

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