ALTO Server Discovery
draft-ietf-alto-server-discovery-04

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Updates in -04

• Scope limited to uncontrolled environments where resource consumer discovers ALTO server
  – Removal of reverse DNS query
  – Reverse DNS query issues documented in section 1.1.2
• 3rd party discovery left open
  – Information by 3rd party protocol (out of scope)
  – Mechanism documented in draft-kist-alto-3pdisc-00
• Non-DHCP networks: New PPP extension for Access Network Domain Name configuration
• Additional text on agent/proxy/VPN scenarios; discovery of addresses out of scope
PPP Extension for Access Network Domain Name configuration

• Focus: PPP [RFC1661] IPCP [RFC1332] configuration of residential user equipment

• New section: Deployment considerations for PPP option
  – If PPP is terminated at residential gateway other mechanisms might be used to forward discovery information to ALTO client (e.g., DHCP)
  – Details not specified
PPP Extension for Access Network Domain Name configuration

• Extension defined analogous to DHCP option [RFC5986]

  – Access Network Name Encoding

        +----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+
        | 7 | e | x | a | m | p | l | e | 3 | c | o | m | 0 | +----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+

  – IPCP Configuration Option

        +----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+
        | TBD | n | s1 | s2 | s3 | s4 | s5 | ... | +----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+----------+

Type: to be assigned by IANA
Len: Length of the 'Access Network Domain Name' in octets
Access Network Domain Name: Domain name encoded as above
Next Steps

• All concerns addressed?
Thank you and
Time for your questions!
Acks

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