ALTO Server Discovery Based on Well-Known Address

IETF-86 Orlando

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Problem Statement

• Before any ALTO messages are exchanged, how does an ALTO Client discover the address of the ALTO Server?

• Follow up: How can ALTO be deployed?
Current Proposed Methods and Issues

• DHCP Option
  – Requires updates to DHCP Server, some DHCP clients and, in the case of broadband deployments, CPE to pass option to client.
  – Some networks do not use DHCP

• DNS
  – Requires updates to DNS Server and DNS clients determining the domain name of where ALTO Server is located.
Proposed solution

• Anycast address
  – Almost no dependency on network configuration or operator
  – Works out of the box
  – Application and ALTO Client friendly
  – Built-in Redundancy