

Application needs for reverse DNS

Richard Barnes, BBN
IETF GEOPRIV Co-chair

Applications need local services

- Hosts need to be able to discover services offered by the local network
 - Geolocation: Where am I?
 - P2P Optimization: Which peers should I use?
- Where possible, we configure this with DHCP
 - Domain name where a NAPTR record is stored
- For other cases, need to be able to ask: “What is the right application server for X IP address?”

References

- Location server discovery with DHCP and DNS
 - [RFC 5986](#)
- Location server discovery without DHCP
 - [draft-thomas-geopriv-res-gw-lis-discovery](#)
- P2P optimization server discovery
 - [draft-song-alto-server-discovery](#)
 - [draft-stiemerling-alto-dns-discovery](#)