

Joint Sunset4/DHC Summary

IETF 87 DHC WG

Berlin, Germany

Thursday, 1 August, 2013

Problem Statement

- Many networks will have both IPv4 and IPv6, but with varying transition technologies affecting the quality of those stacks
 - “real” IPv4 (no NAT)
 - CGN IPv4 (potentially broken for some apps)
 - NAT64/DNS64 (also potentially breaks things)
 - IPv6 (only)
- How do you tell dual-stack hosts which to use/avoid?
 - For which destinations?
 - With which protocol(s)?
 - Happy Eyeballs helps, but can be non-deterministic

draft-ietf-dhc-dhcpv4-over-dhcpv6

- Presentation to be repeated later today
- Conclusion:
 - No specific objections or comments

draft-ietf-dhc-v4configuration

- Presentation to be repeated later today
- Implementation details discussion
- Minor clarification on requirements regarding future v4 options

draft-wing-dhc-dns-reconfigure

- Presentation to be repeated later today
- A bit misleading name, generic mechanism for more than just DNS
- Lots of discussion about:
 - Multiple relays
 - State management and recovery
 - What constitutes a valid address?
 - Concern: not easy to detect deprecated addr