Split-Horizon DNS Configuration

draft-reddy-add-enterprise-split-dns-07

IETF 112
November 2021

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Change summary -04 to -07

• Non-enterprise use cases
  • For example, subscriber-only servers for mobile ISP
• NS including geographic subdomains (thanks to Paul Wouters)
  • Comparing domain suffix
  • For example, ns.uk.internal.example.com
• Added example prose and example message flow (Section 5)
Example Message Flow

1-2. IPv6 RA w/ DNR hostnames & IP addresses & PvD FQDN
3. TLS to ns1.uk.\texttt{ns1.example.com}
4-5. AAAA? pvd.uk.example.com
6-7. https://pvd.uk.example.com/.well-known/pvd

dnsZones=example.com

Validation complete:
\texttt{ns1.uk.ns1.example.com} is subdomain of \texttt{ns1.example.com}

8. NS? example.com
9. \texttt{ns1.example.com}, \texttt{ns2.example.com}

10. Use for example.com

New steps in add-split-dns
Discussion

• Does draft describe a real problem?
  – DNS authorization and authentication

• Does draft describe a good solution?
  – Asking public nameservers, checking NS records

tools.ietf.org/html/draft-reddy-add-enterprise-split-dns-07