DNSSD Document Status Update

Stuart Cheshire, Apple

101st IETF, London, March 2018
# DNS Stateful Operations (History)

<table>
<thead>
<tr>
<th>Month</th>
<th>Draft Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>March 2015</td>
<td>draft-ietf-dnssd-push-00</td>
<td>DNS Push Notifications</td>
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<td>July 2016</td>
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<td>DNS Session Signaling</td>
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<td>September 2017</td>
<td>draft-ietf-dnsop-session-signal-04</td>
<td>DNS Stateful Operations</td>
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DNS Stateful Operations (Draft-04)

Draft-04 submitted September 2017

First draft to use the new title “DNS Stateful Operations”

First draft to remove the requirement that every request generate a response

Feedback via email and in person at IETF 100 in Singapore

• Document updated; draft-05 submitted January 2018
DNS Stateful Operations (2018)

Draft-05 submitted January 2018

DNSOP Working Group Last Call 1\textsuperscript{st} - 22\textsuperscript{nd} February 2018

- Document updated
- \textit{Lots} of textual polish; no functional change to protocol
- Draft-06 submitted Monday 5\textsuperscript{th} March 2018
- Change summary sent to DNSOP email list by Ted Lemon on Thursday 8\textsuperscript{th} March 2018

Further feedback from Paul Hoffman

- Minor textual edits to document
- Draft-07 submitted 19\textsuperscript{th} March 2018 (Monday)
DNS Stateful Operations (Next Step)


DSO required for:

• DNS Push Notifications        draft-ietf-dnssd-push
• Multicast DNS Discovery Relay  draft-sctl-dnssd-mdns-relay
• Discovery Proxy               draft-ietf-dnssd-hybrid

Next step: IETF Last Call
DNS Push Notifications


Updated this week to accommodate changes in DSO

Fixed Zone Apex Discovery iterative algorithm

Responses are no longer mandatory in DSO
- PUSH message no longer has unnecessary response
- UNSUBSCRIBE no longer has unnecessary response

Document shrunk from 41 pages to 35 pages
Multicast DNS Discovery Relay


Updated this week

Only minor updates for clarity
Discovery Proxy


Updated this week

Lots of small changes to address IESG feedback
  • Added diagram
  • Request for an example — added reference to Road Map document
  • Added text about escape characters in zone files
  • More text in Security Considerations
Service Discovery Road Map


Updated this week

Added Appendix A: IETF Terminal Room Printer Discovery Walk-Through
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