Structured Data for Filtered DNS

draft-ietf-dnsop-structured-dns-error-01

IETF116, March 2023

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Agenda

• An update of how the comments received in the WG adoption call were addressed

• Some discussion points
Sub-Error Codes

• Added citations, meaning and registry for the sub-error codes
  ▪ Malware, Phishing [RFC5901]
  ▪ Spam, Spyware [RFC4949]
  ▪ Network Operator Policy
  ▪ DNS Operator Policy
# RFC8914 Error Codes Applicability

<table>
<thead>
<tr>
<th>Structured Sub-Error Code</th>
<th>RFC8914 Error Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Forged Answer</td>
</tr>
<tr>
<td>Malware</td>
<td>X</td>
</tr>
<tr>
<td>Phishing</td>
<td>X</td>
</tr>
<tr>
<td>Spam</td>
<td>X</td>
</tr>
<tr>
<td>Spyware</td>
<td>X</td>
</tr>
<tr>
<td>Network Operator Policy</td>
<td>X</td>
</tr>
<tr>
<td>DNS Operator Policy</td>
<td>X</td>
</tr>
</tbody>
</table>
Backward Support

- DNS server returns "Forged Answer" to non-EDE-supporting clients, and forges the answer
  - return RFC8914 EDE ("Blocked", "Censored" and "Filtered") that better explains the filtering
Other Changes

• Added text to better explain changes vs. RFC8914
• Display the information in the "c", "j" and "o" fields only if the resolver has sufficient reputation
• Allow "j" and "o" fields to contain UTF-8
• User’s preferred language: Not addressed
  ▪ May harm client privacy
  ▪ Same issue as RFC8914's EXTRA-TEXT
Discussion Point #1: JSON Names

• We consider the document as a base to set the structure with a limited set of JSON names

• How additional JSON names are added:
  – Designated Experts?
  – Or adopt a more restrictive policy by requiring IETF Review?

• Any preference?
Discussion Point #2: Sub-Errors

• The current version requires Expert Review for registering new sub-errors
  – Review criteria are included in the spec

• Are there additional items that we need to record the in the guidelines?
Next Steps

• Please review and share comments