Structured Data for Filtered DNS

draft-wing-dnsop-structured-dns-error-page-04

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Purpose

• Assist DNS filtering troubleshooting
Changes from -01 to -04

• Constrain JSON displayed to user
  – Contact & organization not displayed by default
• Introduced ‘suberror’ numeric codes
  – 1=malware, 2=phishing, 3=spam, etc.
• Require draft-reddy-add-resolver-info to signal structured-dns-error support
• Updates: RFC8914 (Extended DNS Error)
Example JSON

{
    "c": ["tel:+358-555-1234567",
          "sips:bob@bobphone.example.com",
          "https://ticket.example.com?d=example.org&t=1650560748"],
    "j": "malware present for 23 days",
    "s": 1, // 1=malware
    "o": "example.net Filtering Service"
}
Discussion:
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• Consider for WG Adoption