Getting Involved in Standards: Seeing Your Work Adopted in the Real World

Samuel Weiler
W3C / MIT
Why standards?

Network Working Group
Request for Comments: 2021
Obsoletes: 821, 974, 1869
Updates: 1121
Category: Standards Track

J. Klenin, Editor
AT&T Laboratories
April 2001

Simple Mail Transfer Protocol

Status of this Memo:

This document specifies an Internet standards track protocol for the Internet Community, and requests discussion and suggestions for improvements. Please refer to the current edition of the “Internet Official Protocol Standards” (STD 1) for the standardization state and status of this protocol. Distribution of this memo is unlimited.

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Abstract

This document is a self-contained specification of the basic protocol for the Internet electronic mail transport. It consolidates, updates and clarifies, but doesn't add new or change existing functionality of the following:

- the original SMTP (Simple Mail Transfer Protocol) specification of RFC 821 [30],
- domain name system requirements and implications for mail transport from RFC 1035 [22] and RFC 974 [27],
Take initiative
Modify existing work
Present solutions, not problems
Nurture your proposals
<table>
<thead>
<tr>
<th>IETF</th>
<th>W3C</th>
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<tbody>
<tr>
<td>• IP, TCP, QUIC, DNS, TLS, HTTP,</td>
<td>• JavaScript APIs, HTML*</td>
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<tr>
<td>OAUTH, SMTP, IMAP</td>
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<tr>
<td>• DNS Privacy; DNS over HTTPS</td>
<td>• Web Authentication (with FIDO)</td>
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<td>• Privacy Enhanced RTP</td>
<td>• Tracking Protection</td>
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<td>Conferencing</td>
<td>• Web Application Security</td>
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<tr>
<td>• Token Binding</td>
<td>• Verifiable Claims (Credentials)</td>
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<td>• Constrained Environment Auth</td>
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Existing document?
- **Join** mailing lists (WG or pre-WG)
- **Comment** on existing drafts

No existing document?
- Write an internet-draft (e.g. draft-moriarty-tls-fail)
- **Post** to WG list or secdispatch@ietf.org
- **Attend** IETF meeting, 3x/year
  - $150 student registration
- **Present** to WG or SEC(urity) DISPATCH WG
- Find an “IETF native coauthor”
- Build *consensus*
RFC 7858 Timeline

Specification for DNS over Transport Layer Security (TLS)

RFC 7858

<table>
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<tr>
<th>Status</th>
<th>IESG evaluation record</th>
<th>IESG writeups</th>
<th>Email expansions</th>
<th>History</th>
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Document Type: RFC - Proposed Standard (May 2016; Errata)
Updated by RFC 8310
Was draft-ietf-dprime-dns-over-tls (dprime WG)
• Existing document?
• **File issues** - usually GitHub, sometimes email
  • **Follow up!**
• Existing working group?
  • “Invited Expert”
• Don’t know where to go?
  • **Join** Privacy and Web Security Interest Groups (open to all!)
  • Or Web Platform Incubator Community Group (WICG)
• Workshops: e.g. Permissions, Identity
W3C Workshop on Permissions and User Consent

San Diego

**September 26-27, 2018**
Free; by invitation

Deadline: **this Friday, August 17**

Application:
Short position statement or questionnaire

Topics:
- bundling of permissions
- lifetime/duration of permissions
- relation to same origin policy
- UIs and controls
- interaction with private browsing modes
- implicit permission grants
- progressive permission grants
- cross-stack permissions: how OS, browser, and web app permissions interact

https://www.w3.org/Privacy/permissions-ws-2018/cfp.html