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RFC 9141

Updating References to the IETF FTP Service

Abstract

The IETF FTP service running at <ftp.ietf.org>, <ops.ietf.org>, and <ietf.org> will be retired. A number of published RFCs in the IETF and IAB streams include URIs that reference this FTP service. To ensure that the materials referenced using the IETF FTP service can still be found, this document updates the FTP-based references in these affected documents with HTTPS URIs.

Status of This Memo

This is an Internet Standards Track document.

This document is a product of the Internet Engineering Task Force (IETF). It represents the consensus of the IETF community. It has received public review and has been approved for publication by the Internet Engineering Steering Group (IESG). Further information on Internet Standards is available in Section 2 of RFC 7841.

Information about the current status of this document, any errata, and how to provide feedback on it may be obtained at <https://www.rfc-editor.org/info/rfc9141>.

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1. Introduction

After community consultation in late 2020, it was decided to retire the IETF FTP service running at ftp.ietf.org, ops.ietf.org, and ietf.org [[FTP-RETIREMENT](#)]. Appendix B of [[FTP-RETIREMENT-PLAN](#)] identifies 30 RFCs published in the IETF and IAB streams between 1997-2006 that have at least one explicit or inline reference to a URI pointing to the IETF FTP service. To ensure that the materials referenced using the IETF FTP service can still be found, this document formally updates those RFCs that had not been updated by other documents with HTTPS URIs to the same materials.

[Section 3](#) enumerates each of the affected RFCs and provides replacement text.

2. Conventions and Definitions

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "NOT RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in BCP 14 [[RFC2119](#)] [[RFC8174](#)] when, and only when, they appear in all capitals, as shown here.

The original text from an RFC to be updated will be quoted with "OLD", and the replacement text will be quoted with "NEW".

3. Updated References

This document updates the following RFCs.

[RFC2077] [RFC2418] [RFC2648] [RFC2954] [RFC2955] [RFC3020] [RFC3083] [RFC3201] [RFC3202] [RFC3295] [RFC3684] [RFC3962] [RFC3970] [RFC4036] [RFC4131] [RFC4251] [RFC4323] [RFC4546] [RFC4547] [RFC4639] [RFC4682] [RFC5098] [RFC5428]

Additionally, with permission of the IAB, [RFC6756] and [RFC7241] are also updated.

3.1. RFC 2077

Section 3 of [RFC2077] is updated as follows:

OLD:

Copies of RFCs are available on:

`ftp://ftp.isi.edu/in-notes/`

Copies of Internet-Drafts are available on:

`ftp://ftp.ietf.org/internet-drafts/`

NEW:

Copies of RFCs are available on:

`https://www.rfc-editor.org/rfc/`

Copies of Internet-Drafts are available on:

`https://www.ietf.org/id/`

3.2. RFC 2418

Section 2.2 of [RFC2418] is updated as follows:

OLD:

Those archives are located at `ftp://ftp.ietf.org/ietf-mail-archive`.

NEW:

Those archives are located at <https://www.ietf.org/ietf-ftp/ietf-mail-archive/>.

3.3. RFC 2648

[Section 2](#) of [\[RFC2648\]](#) is updated below. Note that the scripts in [Appendix A](#) have not been updated.

OLD:

The list of minutes maintained by the IETF for each working group and conference in the subtree pointed at by the URL <ftp://ietf.org/ietf/> is considered the definitive assignment of URNs for working group or birds of a feather minutes.

NEW:

The list of minutes maintained by the IETF for each working group and conference in the subtree pointed at by the URL <https://www.ietf.org/how/meetings/proceedings/> is considered the definitive assignment of URNs for working group or birds of a feather minutes.

3.4. RFC 2954

The CONTACT-INFO in the MIB in [Section 3](#) of [\[RFC2954\]](#) contains an outdated email archive reference. The revised reference is as follows:

OLD:

Email Archive:

<ftp://ftp.ietf.org/ietf-mail-archive/frnetmib>

NEW:

Email Archive:

<https://www.ietf.org/ietf-ftp/ietf-mail-archive/frnetmib/>

3.5. RFC 2955

The CONTACT-INFO in the MIB in [Section 4](#) of [RFC2955] contains an outdated email archive reference. The revised reference is as follows:

OLD:

Email Archive:

<ftp://ftp.ietf.org/ietf-mail-archive/frnetmib>

NEW:

Email Archive:

<https://www.ietf.org/ietf-ftp/ietf-mail-archive/frnetmib/>

3.6. RFC 3020

The CONTACT-INFO in the MIB in [Section 3](#) of [RFC3020] contains an outdated email archive reference. The revised reference is as follows:

OLD:

Email Archive: <ftp://ftp.ietf.org/ietf-mail-archive/frnetmib>

NEW:

Email Archive: <https://www.ietf.org/ietf-ftp/ietf-mail-archive/frnetmib/>

3.7. RFC 3083

The CONTACT-INFO in the MIB in [Section 4](#) of [RFC3083] contains an outdated email archive reference. The revised reference is as follows:

OLD:

```
Archive: ftp://ftp.ietf.org/ietf-mail-archive/ipcdn
```

NEW:

```
Archive: https://www.ietf.org/ietf-ftp/ietf-mail-archive/ipcdn/
```

3.8. RFC 3201

The CONTACT-INFO in the MIB in [Section 6](#) of [RFC3201] contains an outdated email archive reference. The revised reference is as follows:

OLD:

```
Email Archive: ftp://ftp.ietf.org/ietf-mail-archive/frnetmib
```

NEW:

```
Email Archive: https://www.ietf.org/ietf-ftp/ietf-mail-archive/frnetmib/
```

3.9. RFC 3202

The CONTACT-INFO in the MIB in [Section 7](#) of [RFC3202] contains an outdated email archive reference. The revised reference is as follows:

OLD:

```
Email Archive: ftp://ftp.ietf.org/ietf-mail-archive/frnetmib
```

NEW:

Email Archive: <https://www.ietf.org/ietf-ftp/ietf-mail-archive/frnetmib/>

3.10. RFC 3295

The CONTACT-INFO in the MIB in [Section 4](#) of [\[RFC3295\]](#) contains an outdated email archive reference. The revised reference is as follows:

OLD:

Email Archive:

<ftp://ftp.ietf.org/ietf-mail-archive/gsmf/>

NEW:

Email Archive:

<https://www.ietf.org/ietf-ftp/ietf-mail-archive/gsmf/>

3.11. RFC 3684

Two informative references in [Section 14.2](#) of [\[RFC3684\]](#) are updated as follows:

OLD:

[7] Ogier, R., Message in IETF email archive for MANET, <ftp://ftp.ietf.org/ietf-mail-archive/manet/2002-02.mail>, February 2002.

NEW:

[7] Ogier, R., Message in IETF email archive for MANET, <https://www.ietf.org/ietf-ftp/ietf-mail-archive/manet/2002-02.mail>, February 2002.

OLD:

[9] Ogier, R., Message in IETF email archive for MANET, <ftp://ftp.ietf.org/ietf-mail-archive/manet/2002-03.mail>, March 2002.

NEW:

[9] Ogier, R., Message in IETF email archive for MANET, <https://www.ietf.org/ietf-ftp/ietf-mail-archive/manet/2002-03.mail>, March 2002.

3.12. RFC 3962

An informative reference in [\[RFC3962\]](#) is updated as follows:

OLD:

[LEACH] Leach, P., email to IETF Kerberos working group mailing list, 5 May 2003, <ftp://ftp.ietf.org/ietf-mail-archive/krb-wg/2003-05.mail>.

NEW:

[LEACH] Leach, P., email to IETF Kerberos working group mailing list, 5 May 2003, <https://www.ietf.org/ietf-ftp/ietf-mail-archive/krb-wg/2003-05.mail>.

3.13. RFC 3970

The CONTACT-INFO in the MIB in [Section 5](#) of [\[RFC3970\]](#) contains an outdated email archive reference. The revised reference is as follows:

OLD:

Archive: <ftp://ops.ietf.org/pub/lists>

NEW:

Archive: <https://www.ietf.org/ietf-ftp/concluded-wg-ietf-mail-archive/tewg/>

3.14. RFC 4036

The CONTACT-INFO in the MIB in [Section 4](#) of [[RFC4036](#)] contains an outdated email archive reference. The revised reference is as follows:

OLD:

Archive: <ftp://ftp.ietf.org/ietf-mail-archive/ipcdn>

NEW:

Archive: <https://www.ietf.org/ietf-ftp/ietf-mail-archive/ipcdn/>

3.15. RFC 4131

The CONTACT-INFO in the MIB in [Section 3](#) of [[RFC4131](#)] contains an outdated email archive reference. The revised reference is as follows:

OLD:

Archive: <ftp://ftp.ietf.org/ietf-mail-archive/ipcdn>.

NEW:

Archive: <https://www.ietf.org/ietf-ftp/ietf-mail-archive/ipcdn/>.

3.16. RFC 4251

An informative reference in [[RFC4251](#)] is updated as follows:

OLD:

[DAI] Dai, W., "An attack against SSH2 protocol", Email to the SECSH Working Group ietf-ssh@netbsd.org <ftp://ftp.ietf.org/ietf-mail-archive/secsh/2002-02.mail>, Feb 2002.

NEW:

[DAI] Dai, W., "An attack against SSH2 protocol", Email to the SECSH Working Group ietf-ssh@netbsd.org <https://www.ietf.org/ietf-ftp/ietf-mail-archive/secsh/2002-02.mail>, Feb 2002.

3.17. RFC 4323

The CONTACT-INFO in the MIB in [Section 5](#) of [[RFC4323](#)] contains an outdated email archive reference. The revised reference is as follows:

OLD:

Archive: <ftp://ftp.ietf.org/ietf-mail-archive/ipcdn>

NEW:

Archive: <https://www.ietf.org/ietf-ftp/ietf-mail-archive/ipcdn/>

3.18. RFC 4546

The CONTACT-INFO in the MIB in [Section 4](#) of [[RFC4546](#)] contains an outdated email archive reference. The revised reference is as follows:

OLD:

Archive: <ftp://ftp.ietf.org/ietf-mail-archive/ipcdn>

NEW:

Archive: <https://www.ietf.org/ietf-ftp/ietf-mail-archive/ipcdn/>

3.19. RFC 4547

The CONTACT-INFO in the MIB in [Section 4](#) of [[RFC4547](#)] contains an outdated email archive reference. The revised reference is as follows:

OLD:

Archive: <ftp://ftp.ietf.org/ietf-mail-archive/ipcdn>

NEW:

Archive: <https://www.ietf.org/ietf-ftp/ietf-mail-archive/ipcdn/>

3.20. RFC 4639

The CONTACT-INFO in the MIB in [Section 4](#) of [[RFC4639](#)] contains an outdated email archive reference. The revised reference is as follows:

OLD:

Archive: <ftp://ftp.ietf.org/ietf-mail-archive/ipcdn>

NEW:

Archive: <https://www.ietf.org/ietf-ftp/ietf-mail-archive/ipcdn/>

3.21. RFC 4682

The CONTACT-INFO in the MIB in [Section 4](#) of [[RFC4682](#)] contains an outdated email archive reference. The revised reference is as follows:

OLD:

Archive: <ftp://ftp.ietf.org/ietf-mail-archive/ipcdn>

NEW:

Archive: <https://www.ietf.org/ietf-ftp/ietf-mail-archive/ipcdn/>

3.22. RFC 5098

The CONTACT-INFO in the MIB in [Section 5](#) of [[RFC5098](#)] contains an outdated email archive reference. The revised reference is as follows:

OLD:

Archive: <ftp://ftp.ietf.org/ietf-mail-archive/ipcdn>

NEW:

Archive: <https://www.ietf.org/ietf-ftp/ietf-mail-archive/ipcdn/>

3.23. RFC 5428

The CONTACT-INFO in the MIB in [Section 6](#) of [[RFC5428](#)] contains an outdated email archive reference. The revised reference is as follows:

OLD:

Archive: <ftp://ftp.ietf.org/ietf-mail-archive/ipcdn>

NEW:

Archive: <https://www.ietf.org/ietf-ftp/ietf-mail-archive/ipcdn/>

3.24. RFC 6756

Section 2.8.1 of [RFC6756] is updated as follows:

OLD:

Current list and status of all IETF RFCs:

`ftp://ftp.ietf.org/rfc/rfc-index.txt`

Current list and description of all IETF Internet-Drafts:

`ftp://ftp.ietf.org/internet-drafts/1id-abstracts.txt`

NEW:

Current list and status of all IETF RFCs:

`https://www.rfc-editor.org/rfc/rfc-index.txt`

Current list and description of all IETF Internet-Drafts:

`https://www.ietf.org/id/1id-abstracts.txt`

3.25. RFC 7241

Appendix B.2 of [RFC7241] is updated as follows:

OLD:

Current list and description of all IETF Internet-Drafts:

`<ftp://ftp.ietf.org/internet-drafts/1id-abstracts.txt>`

NEW:

Current list and description of all IETF Internet-Drafts:

`<https://www.ietf.org/id/1id-abstracts.txt>`

3.26. Generic Guidance

If any other RFC not explicitly mentioned in an earlier section contains a reference of the form "ftp://ftp.ietf.org/<path>", the reference **MUST** be replaced with a URI of the form "https://www.ietf.org/ietf-ftp/<path>".

4. Security Considerations

This document does not alter the security considerations of the updated documents.

This document replaces URIs to the IETF infrastructure that use an FTP scheme with equivalent HTTPS scheme URIs. These updates ensure the continued availability of content referenced in previously published RFCs when the IETF FTP service is retired. Additionally, the replacement of the cleartext FTP with HTTPS will ensure that resources on the IETF infrastructure can be accessed in a more secure way. For example, HTTPS provides an encrypted channel that includes protections, such as verifying the server's identity per the certificate verification behavior of the client and integrity and confidentiality protection commensurate with the negotiated TLS protocol version and ciphersuite.

5. IANA Considerations

This document has no IANA actions.

6. References

6.1. Normative References

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- [RFC3962] Raeburn, K., "Advanced Encryption Standard (AES) Encryption for Kerberos 5", RFC 3962, DOI 10.17487/RFC3962, February 2005, <<https://www.rfc-editor.org/info/rfc3962>>.
- [RFC3970] Kompella, K., "A Traffic Engineering (TE) MIB", RFC 3970, DOI 10.17487/RFC3970, January 2005, <<https://www.rfc-editor.org/info/rfc3970>>.
- [RFC4036] Sawyer, W., "Management Information Base for Data Over Cable Service Interface Specification (DOCSIS) Cable Modem Termination Systems for Subscriber Management", RFC 4036, DOI 10.17487/RFC4036, April 2005, <<https://www.rfc-editor.org/info/rfc4036>>.
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- [RFC8174] Leiba, B., "Ambiguity of Uppercase vs Lowercase in RFC 2119 Key Words", BCP 14, RFC 8174, DOI 10.17487/RFC8174, May 2017, <<https://www.rfc-editor.org/info/rfc8174>>.

6.2. Informative References

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[FTP-RETIREMENT-PLAN] "Retiring the IETF FTP Service (Revised Plan)", March 2021, <<https://www.ietf.org/media/documents/Revised-Retiring-IETF-FTP-Service-2021-03.pdf>>.

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