

The tftp URL Scheme

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Abstract

This document defines the tftp URL according to the rules in [RFC 2717](#).

1 URL Scheme Name

The scheme name is "tftp".

2 URL Scheme Syntax

The TFTP URL scheme is used to designate files and directories on Internet hosts accessible using the TFTP protocol [[1](#)].

TFTP URLs follow the common Internet scheme syntax described in [Section 3.1 of RFC 1738](#) [[2](#)]. If ":<port>" is omitted, the port defaults to 69. The "user" and "password" components MUST NOT be

used. No relative forms are supported.

An example of a TFTP URL is

```
tftp://tftp.example.com/directory/file.txt
```

3 Character Encoding Considerations

[RFC 1350](#) only allows file names consisting of "netascii" characters [3]. The host part of the URL has the same encoding considerations as described in [RFC 1738](#) [2].

4 Intended Usage

The file identified is retrieved (read) from the host and file name specified in the URL, using TFTP read requests (RRQ).

5 Protocols which Use This URL Scheme Name

TFTP (STD 33, [RFC 1350](#) [1])

6 Interoperability considerations

TFTP mail mode and Netascii modes are not supported. ([RFC 1350](#) states that "mail mode is obsolete and should not be implemented or used.")

7 Security Considerations

The security considerations of [RFC 1350](#) [1] apply. This scheme is suitable only for files that are considered public, similar to anonymous ftp or public HTTP objects. [TBD: Explain any differences to anon. ftp.] For security reasons, this URL does not support the TFTP WRQ (write) mode.

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9 Bibliography

[1] K. Sollins, "The TFTP protocol (revision 2)," Request for Comments 1350, Internet Engineering Task Force, July 1992.

[2] T. Berners-Lee, L. Masinter, and M. McCahill, "Uniform resource locators (URL)," Request for Comments 1738, Internet Engineering Task Force, Dec. 1994.

[3] J. Postel, "Telnet protocol specification," Request for Comments 764, Internet Engineering Task Force, June 1980.

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