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# The tftp URL Scheme

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## Abstract

This document defines the tftp URL according to the rules in  $\frac{RFC}{2717}$ .

## 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 <u>Section 3.1 of RFC 1738</u> [2]. If ":<port>" is omitted, the port defaults to 69. The "user" and "password" components MUST NOT be

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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  $[\underline{3}]$ . The host part of the URL has the same encoding considerations as described in RFC 1738  $[\underline{2}]$ .

#### **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, <u>RFC 1350</u> [<u>1</u>])

### 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 (RFC 1350 states that "mail mode is obsolete and should not be implemented or used.")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

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