                    THE KERMIT URL SCHEME

STATUS OF THIS MEMO

ABSTRACT

   This document defines the Kermit URL according to the rules of
   RFC 2717.

1. URL SCHEME NAME

   The scheme name is "kermit".

2. URL SCHEME SYNTAX

   The Kermit URL scheme is used to fetch files from Internet hosts
   using the Kermit protocol [1].

   Kermit URLs follow the common Internet scheme syntax described in
   Section 3.1 of RFC 1738 [2]. If ":<port>" is omitted, the port
   defaults to 1649 (as registered by IANA). A username and password
   may be included. If none is included, anonymous access as is used,
   exactly as in FTP.   Examples:

Anonymous retrieval of a file:
  kermit://kermit.columbia.edu/READ.ME

Authenticated retrieval of a file:
  kermit://olga:secret@xyzcorp.com/somepath/oofa.txt

Authenticated retrieval of multiple files:
  kermit://olga:secret@xyzcorp.com/somepath/*.[ch]

Secure authenticated retrieval of a file:
  kermit://olga@xyzcorp.com/somepath/oofa.txt

In the latter case, authentication is performed by whatever security
scheme the server and client negotiate [1].

3. CHARACTER ENCODING CONSIDERATIONS

File and pathnames may be US ASCII (ISO 646 International Reference
Version) or UTF-8. UTF-8 names are converted into the native character
set of the server. For text-mode transfers, file record format and
character set are converted according to normal Kermit rules and
procedures.

4. INTENDED USAGE

The specified file or files are retrieved from the host using Kermit
protocol. Text files are sent in text mode, binary files in binary
mode, as determined automatically by the server.

5. INTEROPERABILITY

Any Telnet client that supports Kermit protocol and the Telnet KERMIT
Option [3] may use the Internet Kermit Service. Any such Telnet client
that can accept URLs on the command line (such as C-Kermit and Kermit 95)
can serve as users of or helper applications for kermit URLs.

6. SECURITY

Refer to [1]. No new security issues are raised by the use of this URL.

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8. BIBLIOGRAPHY

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[3] Altman, J., and F. da Cruz, "Telnet Kermit Option",
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