Hotline

File Transfer Protocol

v1.1.1

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Note

Refer to the Server Protocol Guide document for information on how a file transfer is started in Hotline, as well as the rest of the Hotline protocol.

File Transfer

The client opens a TCP connection to the server on port 5501, and sends:
- 48 54 58 46   string (hotline file transfer header)
      Note: This is always "HTXF"
  - 08 9D D1 B9   long (file transfer ID)
      Note: This can be anything the client likes,
            so long as it is not already in use.
  - 00 00 00 00   long
  - 00 00 00 00   long

The server then sends the file, in the following format:
- 46 49 4C 50   string (hotline file header - always "FILP")
  - 00 01   short (file transfer version? - example is 1)
  - 00 00   short (example is 0)
  - 00 00 00 00   long (example is 0)
  - 00 00 00 00   long (example is 0)
  - 00 00 00 00   long (example is 0)
  - 00 00 00 03   long (example is 3)
- 49 4E 46 4F   string (hotline file info header - always "INFO")
  - 00 00 00 00   long (example is 0)
  - 00 00 00 00   long (example is 0)
  - 00 00 00 6B   long (length of rest of Info block below)
  - 41 4D 41 43   string (hotline file descriptor header)
      Note: This is always "AMAC"
  - 54 45 58 54   string (file type - example is "TEXT")
  - 74 74 78 74   string (file creator - example is "ttxt")
  - 00 00 00 00   long (unknown - file flags of some kind)
  - 00 00 01 00   long (unknown - file flags of some kind)
  - 00 00 00 00   long (unknown - file flags of some kind)
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- 07 70 00 00   date (creation date, format unknown)

  AF AE 17 23

- 07 70 00 00   date (modification date, format unknown)

  B1 22 F8 85

- 00 00   short (unknown)
- 00 12   short (length of file name)
- 4E 65 77 5F   string (file name)

  54 6F 5F 48

  4C 3F 5F 52

  65 61 64 4D

  65 21

- 00 0F   short (length of comment)
- 31 39 34 2E   string (comment)

  32 33 37 2E

  31 36 34 2E

  31 38 30

- 44 41 54 41   string (hotline data fork header)

                    Note: This is always "DATA"

- 00 00 00 00   long
- 00 00 00 00   long
- 00 00 1E 85   long (length of data fork to follow)

                    Note: In this example, this is 7813

        << 7,813 bytes to follow - this is the data fork contents >>

- 4D 41 43 52   string (hotline resource fork header)

                    Note: This is always "MACR"

- 00 00 00 00   long
- 00 00 00 00   long
- 00 00 00 00   long (length of resource fork to follow)

        << 0 bytes to follow (file contains no resource fork) >>

        That's all there is to it. If anyone can decipher the date format, or reveal the use or definite lack-of of any of the unknown parameters, then please email Wade Tregaskis on:

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