Subject: FTP class and reference example for U++
Posted by Oblivion on Sun, 27 Apr 2014 16:11:11 GMT

Hello,

Ftp class is a U++ client side implementation of the File Transfer Protocol (FTP) as specified in RFC 959, with several advanced capabilities:

- Time-constrained blocking, and non blocking operation modes.
- Multithreaded file transfers, using worker threads.
- IPv6 connections and NATs, as specified in RFC 2428.
- Ftp over TLS/SSL (FTPS), as specified in RFC 2228.
- Feature negotiation mechanism as specifien in RFC 2389.
- Parsing of UNIX and DOS style directory listings.
- Extending the existing functionality of Ftp class.
- Transfer restart/resume mechanism, as specified in RFC 3959.
- UTF-8 encoded path names.

Reference examples provided with the package:

- FtpGet: Demonstrates a basic FTP file download in blocking mode.
- FtpGetNB: Demonstrates a basic FTP file download in non-blocking mode.
- FtpGetMT: Demonstrates a basic Ftp file download, using worker threads.
- FtpMultiGetMT: Demonstrates FTP dir listing and concurrent file transfers, using worker threads.
- FtpGUI: Demonstrates a basic FTP browser with GUI (with upload, download, mkdir, rename, delete commands).
- FtpOverTLS: Demonstrates the secure connection capability of FTP package in blocking mode.
- FtpQueryFeatures: Demonstrates the feature query mechanism, as defined in RFC 2389
- FtpRawCommand: Demonstrates FTP raw command execution in blocking mode.

Latest code is located at: https://github.com/ismail-yilmaz/upp-components/tree/master/ Core/FTP
Reference examples can be found at:
https://github.com/ismail-yilmaz/upp-components/tree/master/ Examples
Older version (1.2) can be found at:
https://github.com/ismail-yilmaz/upp-components/tree/master/ Attic/FTP

A video demonstration of Ftp browser: (Note that the example browser is still under development.)

https://vimeo.com/214530673

Suggestions, bug reports, patches, criticism are always welcome.

Regards,
Oblivion

File Attachments

1) FtpPackageWithExamples.zip, downloaded 504 times