RxFtp Class



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Introduction

Why an RxFtp Class?

- IBM was not able to provide the source for the RxFtp.dll
- A replacement was needed
- C or Object Rexx?
- A class would make a great Object Rexx example



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RxFtp Class Development Goals

- The class should have a similar architecture to the DLL
- DLL functions and class methods should map one-to-one
- Methods should return the same return codes as the functions
- Use arrays instead of stems for returned data
- Use the RxSock.dll for sockets access
- Contain the connection to the server within an instance of the class thus allowing connections to multiple servers
- Make the code readable by non-FTP experts





Benefits of an Object Rexx RxFtp Class

- The class is platform neutral
- The connection to an FTP server is completely encapsulated
- The methods can be spun off as threads
- The class can be extended/modified via subclassing
- The source code is easily changed/fixed/tested



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RxFtp Public Methods

- FtpAppend
- FtpChDir
- FtpDelete
- FtpDir
- FtpGet
- FtpGetMode
- FtpGetType
- FtpLogoff
- FtpLs
- FtpMkDir
- FtpPut
- FtpPutUnique
- FtpPwd
- FtpQuote
- FtpRename
- FtpRmDir
- FtpSetMode
- FtpSetType
- FtpSetUser
- FtpSite
- FtpSys
- FtpTrace
- FtpTraceLog
- FtpTraceLogoff
- FtpVersion

No support for FtpProxy.





Additional RxFtp Public Methods

CmdResponse

An array of all the commands sent to the FTP server and their corresponding responses. This is a complete record of all activity between the server and the client.

CR Remove

Boolean which determines if CR characters are removed from files recieved from the FTP server. Valid only on Unix clients.

Debug

Boolean which determines if debug messages are displayed.

FtpErrno

An error string. This attrribute is reset to a new value during each public method invocation to the class. Analagous to the old FTPERRNO variable.

Response

An array of the responses from the FTP server from the last command sent.



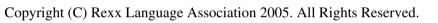


RxFtp Class Test Suite

Test Suite Requirements

- ASCII and binary send/recieve types
- Active and passive send/recieve modes
- Code a test for each method
- Get the Rexx community involved in the test process
- Try for a wide range of clients and servers







RxFtp Class Test Suite Call for ooRexx RxFtp Class Project Help

How You Can Help

- Open SourceForge bugs against the class
- Propose or write new methods
- Write new examples
- Volunteer a test environment



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