FathFTP component

By Fath Software

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FathFTP component reference

MPut	Mulitple files upload
Put	Sends a file to FTP server
Quote	Sends a command to FTP server
RasConnect	Establish dial-up internet connection
RasDisconnect	Hang-up internet connection
RasIsConnected	Returns RAS (dial-up) connection state
RenameFile	Renames a file at FTP server
ServerAddUser	Add FTP server user
StartServer	Start FTP server
StopServer	Stop FTP server
ClientConnected	ClientConnected event is raised when client is connected to FathFTP build-in FTP server
ClientDisconnected	ClientDisconnected event is raised when client is disconnected from FathFTP build-in FTP server
EnumFile	Returns a file listing data
Reply	Returns FTP server reply text
StateChange	Indicates the state change of the FTP connection
TransferComplete	Indicates that transfer is completed
TransferProgress	Reports transfer progress
TransferStarting	Indicates that transfer is about to start

Constants

FFTP_SERVER_PERMISSIONS

FFPERM_READFILE	1
FFPERM_WRITEFILE	2
FFPERM_DELETEFILE	4
FFPERM_LIST	8
FFPERM_CREATEDIR	16
FFPERM_DELETEDIR	32
FFPERM_ALL	63

FFTP_STATES

FFTP_STATE_NOTCONNECTED	0
FFTP_STATE_CONNECTED	1
FFTP_STATE_CONNECTING	2
FFTP_STATE_AUTHORIZING	3
FFTP_STATE_LISTING	4
FFTP_STATE_DOWNLOADING	5
FFTP_STATE_UPLOADING	6

FFTP_STATE_PROCESSING   7
FFTP_STATE_LOGGEDIN   8

Properties

BinaryMode

Property BinaryMode As Long

BinaryMode transfer indicator

Set this property to True if you want to transfer files exactly as they are on server. Use this for graphics or program files.
If this property is False. End-of-line marks in text files are translated between host and server.
Default value is True.

Busy

Property Busy As Long

Indicates if last command is completed

CurrentWorkingDirectory

Property CurrentWorkingDirectory As String

Returns/sets current working dir. at FTP server

IsConnected

Property IsConnected As Long

Returns TRUE if connection is established

LastServerResponse

Property LastServerResponse As Long

Returns last server response as number

Here is a list of FTP response codes:

000 Announcing FTP.
010 Message from system operator.
020 Exected delay.
030 Server availability information.
050 FTP commentary or user information.
100 System status reply.
110 System busy doing...
150 File status reply.
151 Directory listing reply.
200 Last command received correctly.
201 An ABORT has terminated activity, as requested.
202 Abort request ignored, no activity in progress.
230 User is "logged in". May proceed.

231 User is "logged out". Service terminated.
232 Logout command noted, will complete when transfer done.
233 User is "logged out". Parameters reinitialized.
250 FTP file transfer started correctly.
251 FTP Restart-marker reply.
252 FTP transfer completed correctly.
253 Rename completed.
254 Delete completed.
257 Closing the data connection, transfer completed.

300 Connection greeting message, awaiting input.
301 Current command incomplete (no for long time).

330 Enter password.
331 Enter account (if account required as part of login sequence).
332 Login first, please.
400 This service not implemented.
401 This service not accepting users now, goodbye.
402 Command not implemented for requested value or action.
430 Log-on time or tries exceeded, goodbye.
431 Log-on unsuccessful. User and/or password invalid.
432 User not valid for this service.
433 Cannot transfer files without valid account. Enter account and

resend command.
434 Log-out forced by operator action. Phone site.
435 Log-out forced by system problem.
436 Service shutting down, goodbye.
450 FTP: File not found.
451 FTP: File access denied to you.
452 FTP: File transfer incomplete, data connection closed.
453 FTP: File transfer incomplete, insufficient storage space.
454 FTP: Cannot connect to your data socket.
455 FTP: File system error not covered by other reply codes.

456 FTP: Name duplication; rename failed.
457 FTP: Transfer parameters in error.
500 Last command line completely unrecognized.
501 Syntax of last command is incorrect.
502 Last command incomplete, parameters missing.
503 Last command invalid (ignored), illegal parameter combination.
504 Last command invalid, action not possible at this time.
505 Last command conflicts illegally with previous command(s).
506 Last command not implemented by the server.

507 Catchall error reply.
550 Bad pathname specification (e.g., syntax error).

LastServerResponseText

Property LastServerResponseText As String

Returns last server response as text

See LastServerReponse property.

MaxBandwidth

Property MaxBandwidth As Long

Maximum bytes-per-second allowed

PassiveMode

Property PassiveMode As Long

FTP passive mode indicator

Set this property to True if you want FathFTP control to use passive mode FTP data connection.
That means, the client is connecting to FTP server to retrieve or post data. If PassiveMode is
False, client wait until server connects to send or retrieve the data.
Default value is False.

Password

Property Password As String

Password at FTP server

This is your password at FTP server you want to connect to.

ProgressID

Property ProgressID As String

property ProgressID

ProxyName

Property ProxyName As String

SOCKS4 proxy server name

The network address of the SOCKS4 proxy server (firewall) to work through: a machine name such as "mail.yourisp.com", or a dotted number such as "128.56.22.8".
Leave this property empty if you don't want to use proxy.

ProxyPort

Property ProxyPort As Long

SOCKS4 proxy server port

This is the port number on SOCKS4 proxy server (firewall) to connect. The default value is 1080 which is the default SOCK4 proxy port number.

ProxyUserID

Property ProxyUserID As String

SOCKS4 proxy server UserID

Set this property if you want to send UserID data to the SOCKS4 proxy server.

ServerName

Property ServerName As String

FTP server name (address)

The network address of the server to connect to: a machine name such as "mail.yourisp.com", or a dotted number such as "128.56.22.8".

ServerPort

Property ServerPort As Long

FTP server port

This is the port number on FTP server to connect. The default value is 21 which is the default FTP port number.

Timeout

Property Timeout As Long

Timeout value in seconds

FathFTP methods will return "Timeout" error if timeout occures in communication.

Username

Property Username As String

Username at FTP server

Set this to 'anonymous' for anonymous FTP access.

Version

Property Version As String

Returns component version string

Methods

Abort

Sub Abort

Aborts data connection

Use this method to cancel file transfer at any time.

AboutBox

Sub AboutBox

shows AboutBox dialog

BeginGet

Function BeginGet (RemoteFile As String, LocalFile As String, Offset As Long) As Long

Starts async download

BeginPut

Sub BeginPut (LocalFilename As String, RemoteFilename As String, Offset As Long)

Start async upload

Connect

Sub Connect

Establish the connection to FTP server

Establishes a connection to FTP server and authenticates the user with Username and Password properties.
If the method fails an error is raised.

CreateProgressID

Function CreateProgressID As String

method CreateProgressID

DeleteFile

Sub DeleteFile (Filename As String)

Deletes a file at FTP server

If the method fails an error is raised.

Disconnect

Sub Disconnect

Closes the connection

If the method fails an error is raised.

EnumFiles

Sub EnumFiles (FileMask As String)

Retrieves file listing

Set Filemask argument to an empty string "". If you want to get current directory listing.
File data is returned through EnumFile event.

FileExists

Function FileExists (Filename As String) As Long

Check file existance

This method returns number of files that mach specified file mask. Or, zero if no files are found.

If ftp.FileExist("folder/image.jpg") Then
ftp.DeleteFile "folder/image.jpg"
End If

-- or --

NumTxtFiles = ftp.FileExist("*.txt")

FreeProgressInfo

Sub FreeProgressInfo

method FreeProgressInfo

Get

Sub Get (RemoteFile As String, LocalFile As String, Offset As Long)

Retrieves a file from FTP server

RemoteFile is a filename at FTP server.
LocalFile is a filename at your computer.
Offset parameter is 0 in most cases, you can use it to restart broken transfer from some point.
While transfer is in progress, an TransferProgress event is raised.

GetFromURL

Sub GetFromURL (URL As String, LocalFile As String, Username As String, Password As String, Resume As Long)

Retrieves a file from URL address

GetProgressInfo

Function GetProgressInfo (Bytes As Long) As Long

method GetProgressInfo

HTTPUpload

Function HTTPUpload (WebServer As String, WebPage As String, Fields As String, Files As String) As Long

Upload files to HTTP server

Arguments:
WebServer = web server address
WebPage = name of upload web page
Fields = list of 'fieldname' and 'fieldvalue' values delimited with '|'
Files = list of 'fieldname' and 'file path' values delimited with '|'

Returns TRUE if successful, or FALSE otherwise.

FathFTP1.HTTPUpload "www.mysite.com" , "upload.asp",
"field1|value1|field2|value2" ,
"file1|c:\folder\mypic.jpg|file2|c:\folder\myvideo.avi"

MGet

Sub MGet (RemoteFiles As String, LocalFolder As String)

Multiple fiels download

FathFTP.CurrentWorkingDirectory = "/public"
FathFTP.MGet "*.txt"

MPut

Sub MPut (LocalPath As String)

Mulitple files upload

FathFTP.CurrentWorkingDirectory = "/public"
FathFTP.MPut "c:/texts/*.txt"

Put

Sub Put (LocalFilename As String, RemoteFilename As String, Offset As Long)

Sends a file to FTP server

RemoteFile is a filename at FTP server.
LocalFile is a filename at your computer.
Offset parameter is 0 in most cases, you can use it to restart broken transfer from some point.
While transfer is in progress, an TransferProgress event is raised.

Quote

Sub Quote (cmd As String)

Sends a command to FTP server

Sends an arbitrary command directly to FTP server.
Wait Reply event or read LastServerResponse property to see how FTP server processed the command.
This method can be used to create or delete FTP server folders.
To create a folder, use:
FathFTP.Quote "MKD foldername"

or, to delete a folder, use:
FathFTP.Quote "RMD foldername"

RasConnect

Sub RasConnect (ConnectionName As String, Username As String, Password As String, RedialNo As Long)

Establish dial-up internet connection

RasDisconnect

Sub RasDisconnect

Hang-up internet connection

RasIsConnected

Function RasIsConnected (ConnectionName As String) As Long

Returns RAS (dial-up) connection state

RenameFile

Sub RenameFile (OldFilename As String, NewFilename As String)

Renames a file at FTP server

If the method fails an error is raised.

ServerAddUser

Sub ServerAddUser (Username As String, Password As String, RootFolder As String, Permissions As FFTP_SERVER_PERMISSIONS)

Add FTP server user

This method should be called before StartServer to add users to FTP server.
To allow anonymous access, call this method with Username parameter set to "Anonymous".

See FFTP_SERVER_PERMISSIONS.

serv.ServerAddUser "anonymous", "", "c:/dxmedia", FFPERM_LIST + FFPERM_READ
serv.ServerAddUser "root", "hardtoguess", "c:/dxmedia", FFPERM_ALL
serv.StartServer 9999

ftp.ServerName = "localhost"
ftp.ServerPort = 9999
ftp.Username = "anonymous"
ftp.PassiveMode = True
ftp.Connect

ftp.EnumFiles ("")

ftp.Disconnect

StartServer

Sub StartServer (PortNumber As Long)

Start FTP server

serv.ServerAddUser "anonymous", "", "c:/dxmedia", FFPERM_LIST + FFPERM_READ
serv.ServerAddUser "root", "hardtoguess", "c:/dxmedia", FFPERM_ALL
serv.StartServer 9999

ftp.ServerName = "localhost"
ftp.ServerPort = 9999
ftp.Username = "anonymous"
ftp.PassiveMode = True
ftp.Connect

ftp.EnumFiles ("")

ftp.Disconnect

StopServer

Sub StopServer

Stop FTP server

Events

ClientConnected

Sub ClientConnected (User As String, Address As String)

ClientConnected event is raised when client is connected to FathFTP build-in FTP server

ClientDisconnected

Sub ClientDisconnected (User As String, Address As String)

ClientDisconnected event is raised when client is disconnected from FathFTP build-in FTP server

EnumFile

Sub EnumFile (Filename As String, FileSize As Double, User As String, Group As String, FileDate As Date, FileFlags As String)

Returns a file listing data

While EnumFileS method is provessed, EnumFile event is raised for every file listed by FTP server.

ftp.Connect
ftp.EnumFile ""

Private Sub ftp_EnumFile(ByVal Filename As String, ByVal FileSize As Double, ByVal User As String, ByVal Group As String, ByVal FileDate As Date, ByVal FileFlags As String)

AddFileToList Filename, FileSize, FileData

End Sub

Reply

Sub Reply (text As String)

Returns FTP server reply text

Useful for debugging purposes.

StateChange

Sub StateChange (State As FFTP_STATES)

Indicates the state change of the FTP connection

States are:

```
FFTP_STATE_NOTCONNECTED,
  FFTP_STATE_CONNECTED,
  FFTP_STATE_CONNECTING,
  FFTP_STATE_AUTHORIZING,
  FFTP_STATE_LISTING,
  FFTP_STATE_DOWNLOADING,
  FFTP_STATE_UPLOADING,
  FFTP_STATE_PROCESSING,
  FFTP_STATE_LOGGEDIN .
```

TransferComplete

Sub TransferComplete (LocalFilename As String, RemoteFilename As String, BytesTransfered As Long)

Indicates that transfer is completed

You can check BytesTransfered parameter to see if all bytes of a file are transferred.

TransferProgress

Sub TransferProgress (Bytes As Long)

Reports transfer progress

Bytes parameter is a total number of bytes transferred for a file.

TransferStarting

Sub TransferStarting (LocalFilename As String, RemoteFilename As String, Offset As Long)

Indicates that transfer is about to start