

Forum:[Hack Forums](#)

Thread: [zFTP - Custom Made Dynamic FTP Client & Server Library](#)

PathogenDubz - March 2, 2014, 5:14 pm

zFTP

Custom Made Dynamic FTP Library

Features Almost all Standard FTP Commands are Implemented

Ability To Add Custom Commands

Fast, Reliable, & Stable

Easy To Use Event Driven Framework

Simple Client Wrapper Included

Example Code Snippets

Create a zFTP Server

Spoiler ([Click to View](#))

```
Code Public WithEvents FtpServer As New FTPServer(21, True)
```

Add the MessageBox.Show Function to your Server

Spoiler ([Click to View](#))

```
Code FtpServer.CustomCommands.Add("MSG", New Action(Of String)(AddressOf  
MessageBox.Show))
```

Disable A Command

Spoiler ([Click to View](#))

```
Code Private Sub FtpServer_PreCommandExecute(sender As FTPClient, e As  
FTPClient.PreCommandExecuteEventArgs) Handles FtpServer.PreCommandExecute  
    If e.Command = FtpCommand.RemoveDirectory Then  
        e.Cancel = True  
    ElseIf e.Command = "MSG" Then  
        e.Cancel = True  
    End If  
End Sub
```

Add Accounts to your Server (Hard Coded)

Spoiler ([Click to View](#))

```
Code Private Sub FtpServer_OnUserAuthenticationRequired(ByRef User As FTPUser) Handles  
FTPServer.OnUserAuthenticationRequired  
    If User.Username = Username And User.Password = Password Then  
        User.isAuthenticated = True  
        User.StartDirectory = "C:\Users\Administrator\Desktop"  
    End If
```

End Sub

Add Accounts to your Server (Dynamically Coded - CAN be used with SQL Servers)

Spoiler ([Click to View](#))

```
Code Private AccountDatabase As New Dictionary(Of String, String) From {"MyUsername",
"MyPassword"}, _
    {"Account1", "Account1Password"}, _
    {"Account2", "Account2Password"}, _
    {"Account3", "Account3Password"}, _
    {"Account4", "Account4Password"}, _
    {"Account5", "Account5Password"}}
Private Sub FtpServer_OnUserAuthenticationRequired(ByRef User As FTPUser) Handles
FtpServer.OnUserAuthenticationRequired
    'Check if the given username is in the database
    If AccountDatabase.ContainsKey(User.Username) Then
        'Check if the given password matches the database password
        If AccountDatabase(User.Username) = User.Password Then
            'Authenticate the User & set their start directory
            User.isAuthenticated = True
            User.CanExecuteCustomCommands = True
            User.StartDirectory = "C:\FtpUsers\" & Username
        End If
    End If
End Sub
```

Override existing Commands

Spoiler ([Click to View](#))

Code Public WithEvents FtpServer As New FTPServer(21, True, GetType(CustomFtpClient))

Public Class CustomFtpClient

Inherits zFTP.FTPClient

Public Overrides Sub STOR(CmdArguments As String)

```
    ' If Hosting files on a web server
    Dim Types As String() = {"php", "aspx", "ascx", "ashx", "asmx", "aspx", "axd", "cs", "csproj",
"licx", "rem", "resources", "resx", "soap", "vb", "vbproj", "vsdisco", "webinfo"}
    If Types.Contains(IO.Path.GetExtension(CmdArguments).Remove(0, 1).ToLower) Then
        Reply("426 Access Denied.")
        Return
    End If

    'Store the file on the server
    MyBase.STOR(CmdArguments)

    'Create a custom STOR action
    MsgBox("Stored File '" & CmdArguments & "'")

End Sub
End Class
```

Ftp Client Wrapper & Server Test Code

Spoiler ([Click to View](#))

```
Code Private Sub UploadFile()  
    Dim FtpClient As New zFTP.Client.FtpClientWrapper("ftp://127.0.0.1", "Username", "Password")  
    With {.Port = 21}  
  
        Dim OpenFileDialog As New Forms.OpenFileDialog  
        OpenFileDialog.ShowDialog()  
  
        If OpenFileDialog.FileName <> Nothing Then  
            FtpClient.UploadFile(OpenFileDialog.FileName)  
        End If  
    End Sub
```

[DOWNLOAD zFTP \(Includes Sample Project \)](#)

ovac - March 2, 2014, 5:21 pm

Interesting project.

You've made everything from scratch?

If so, great work =)

PathogenDubz - March 2, 2014, 5:23 pm

(Mar 2, 2014 06:21 PM)Bushido Brown Wrote: [\[CITE\]](#) Interesting project.

You've made everything from scratch?

If so, great work =)

I have to admit a lot of it was me googling everything, but yeah everything but the datasocket & listener classes themselves.

Thanks man

Hexology - March 2, 2014, 5:42 pm

Screenshots would be nice, looks like a really good project though!

PathogenDubz - March 2, 2014, 5:44 pm

(Mar 2, 2014 06:42 PM)Hexology Wrote: [\[CITE\]](#) Screenshots would be nice, looks like a really good project though!

Why would I screenshot a class library? :P

Only3 - March 3, 2014, 12:37 am

can u post the link as text have problem to download tn timer

Weakky. - March 3, 2014, 5:40 am

This looks amazing mate, nice job on this library. Keep it up!

PathogenDubz - March 3, 2014, 10:30 am

(Mar 3, 2014 01:37 AM)Only3 Wrote: [\[CITE\]](#) can u post the link as text have problem to download tn timer
Sorry about that! I keep forgetting to have the SQL database automatically update the encryption key.

It should be fixed now. :)

(Mar 3, 2014 06:40 AM)TRANSLU6DE Wrote: [\[CITE\]](#) This looks amazing mate, nice job on this library. Keep it up!

Thanks man, I really appreciate it! :)

Only3 - March 3, 2014, 11:42 am

what the AlexPilotti.FTPS.Client for do use it with ur lib

PathogenDubz - March 3, 2014, 11:46 am

(Mar 3, 2014 12:42 PM)Only3 Wrote: [\[CITE\]](#) what the AlexPilotti.FTPS.Client for do use it with ur lib
It's for the sample project that i put together. No other FTP client allows the use of custom commands.

Edit: To be clear, the FtpServer does not require this library.

Hexology - March 3, 2014, 2:25 pm

(Mar 2, 2014 06:44 PM)PathogenDubz Wrote: [\[CITE\]](#) Why would I screenshot a class library? :P
Oh my bad, thought you'd have an example project haha, well either way looks interesting.

PathogenDubz - March 3, 2014, 4:59 pm

(Mar 3, 2014 03:25 PM)Hexology Wrote: [\[CITE\]](#) Oh my bad, thought you'd have an example project
haha, well either way looks interesting.

No worries man

I did include a test project but it's 99% about the code and not so much about the UI hahah
(see below)

Spoiler ([Click to View](#))

[img]http://zscrn.us/Gle5Pnemgl.png[/img]

[img]http://zscrn.us/yHR7Q6bSy0.png[/img]

Edit: Updated the source & Library. More features added and cleaned up a few things.

Only3 - March 3, 2014, 11:51 pm

u should add online option to control it (ftp site)

PathogenDubz - March 4, 2014, 11:18 am

(Mar 4, 2014 12:51 AM)Only3 Wrote: [\[CITE\]](#) u should add online option to control it (ftp site)
I think you're misunderstanding what this project is exactly.

Basically, if you've ever heard of FileZilla you know they have a FTP server software that allows you to make a quick FTP server without the hassle of using IIS. This is exactly that except for .NET! It's fully managed and features events to make it really simple. The FTPClient class is also fully customizable so you can use your SQL servers to interface with how the users are authenticated.

If you would like to see a live version of a website + zFTP then check out <http://zscrn.us/>

Only3 - March 5, 2014, 4:04 am

like <http://www.codeproject.com/Articles/43125/Advanced-FTP-Server>

Lexus™ - March 5, 2014, 12:05 pm

Thanks for the source !
thats help me :)

PathogenDubz - March 5, 2014, 12:43 pm

(Mar 5, 2014 01:05 PM)T P B Wrote: [\[CITE\]](#) Thanks for the source !
thats help me :)

No problem man! If you have any questions about any of it feel free to ask.

Kaszz - April 2, 2014, 11:55 pm

This was really helpful. Both the FTP itself and your fantastic support!

PathogenDubz - April 10, 2014, 1:59 pm

(Apr 2, 2014 11:55 PM)Doubt Wrote: [\[CITE\]](#) This was really helpful. Both the FTP itself and your fantastic support!

It was fun helping you, I hope your project proves to be sufficient!

On another note, I've updated the thread with the new zFTP.dll that features an FTP Client Wrapper.

TheBarret - April 10, 2014, 2:51 pm

(Mar 2, 2014 06:23 PM)PathogenDubz Wrote: [\[CITE\]](#) I have to admit a lot of it was me googling everything, but yeah everything but the datasocket & listener classes themselves.

Thanks man

Don't worry, i can say with a certain idea that 99% of everything on this forum is google or if not pastebin.com ...