

Article

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FTP file download (all files, no of files) Option : copy file or move file

Method : to download the FTP file from intersystem cache : If you have any question please drop a message :

```
ClassMethod FTPDownload(myFTP = "", myUserName = "",  
myPassword = "", sFileLocation = "", dLocation = "", noOfdownloadFile = 1, sourceFileDel = 0)  
{
```

```
/*-----  
download the file according to the requirements : FTP
```

Method : Resuable

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downLoadFile = No of files or all files you want to download; DEFAULT VALUE IS 1
= give value eg. 1,3,7,100 files
= type "*" to to download all the files.

SourceFileDel = If you want to delete files from source folder after download.....
then setup value 1 -- ; the default value is : 0

**1= True (delete file from source folder after download), 0 = False
(copy only)**

sFileLocation = Source of file location (folder)
dLocation = Destination folder

Example :

The following move all files from source to destination location
w ##class(CW.COMMON).FTPDownload("IP Address","User Name","Password","Source folder","Destination
folder","*",1)

The following..... copy 200 files from source to destination folder
w ##class(CW.COMMON).FTPDownload("IP Address","User Name","Password","Source folder","Destination
folder,200,0)

```
*/  
// you can setup the error control e.g. Try and Catch
```

```
Set (count,fileNo,key,messge,fileStream,myFileName,myFile,fSave,eMessage,eSubject)=""  
Set flp= myFTP  
Set fUserName= myUserName  
set fPassword=myPassword  
set sFileLocaion=sFileLocation  
set dLocation=dLocation  
Set downloadFile=noOfdownloadFile  
Set sourceFileDel=sourceFileDel
```

```
If $Length(flp)=0||($L(fUserName)=0)||($L(fPassword)=0) || ($L(downloadFile)=0) Q "Invalid Credentials or
```

```
Download file is 0.!, check IP, Username, password or FTP location or destination location !"
Set myFtp=##class(%Net.FtpSession).%New()
Set eMessage="FTP connection has failed, please check "_ftp_" or username, password.!"
Set eSubject ="FTP Warning Message."
Set myFtp.Timeout = 60
If 'myFtp.Connect(ftp,fUserName,fPassword) Quit w $$EVEMAIL^CW.COMMON(eSubject,eMessage)
Do myFtp.SetDirectory(sFileLocaion)
If 'myFtp.NameList(" ",.x) Quit "File(s) not found "
Set fileStream = ##class(%Stream.FileBinary).%New()
Set message ="copied"
Set myFileName=""
Set fileNo=0
Set Key=""
If (downloadFile = "**")
{
  While (x.GetNext(.Key))!=''
  {
    Do StartCopy
  }
}
Do myFtp.Logout()
Quit fileNo_" file(S) has been "_message_" successfully !"
}

If (downloadFile >0)
{
  Set count=1
  While ((count <= downloadFile) && (count<=x.Count()))
  {
    do StartCopy
    Set count=count +1
  }
  Do myFtp.Logout()
  Quit fileNo_" file(S) has been "_message_" successfully !"
}

StartCopy
Set myFileName= x.GetNext(.fileNo)
Do myFtp.Binary()
Do myFtp.Retrieve(myFileName,.fileStream)
Set myFile= ##class(%Library.FileBinaryStream).%New()
Set myFile.Filename=dLocation_myFileName
Do myFile.CopyFrom(fileStream)
Set fSave=myFile.%Save()
IF ((sourceFileDel=1) && (fSave = 1))
{
  Do myFtp.Delete(myFileName)
  Set message="moved"
}
}
```

[#Code Snippet](#) [#FTP](#) [#ObjectScript](#) [#Caché](#)

Source

URL:<https://community.intersystems.com/post/ftp-file-download-all-files-no-files-option-copy-file-or-move-file>