

Forum: [Hack Forums](#)

Thread: [Detect 404 When Downloading File In Loop?](#)

Haters Gonna Hate - April 2, 2018, 9:50 am

So I want to download a bunch of mp3 files from this website, the website's URL structure is like this:

Code `http://thiswebsite.com/music/*.mp3` where the * is a number between 0 and 1000

Now, there is not 1000 songs, there could be songs that are from 100 to 200 but not 200 to 300. I discovered this site is using nginx and returns a proper 404 if a file does not exists, like this:

I have my code structured like this:

Code Private Sub DownloadMusicFile()

'Downloading Music

Dim MusicNumber As Integer = 0

Do Until MusicNumber = 1000

```
My.Computer.Network.DownloadFile("http://thiswebsite.com/music/" + MusicNumber +
```

".mp3",

```
My.Computer.FileSystem.CurrentDirectory + "/music/" + MusicNumber
```

 $+ \text{"/"})$

Loop

End Sub

The thing is, I want my program to create a folder and then store the mp3 in it, so a new folder for each mp3 file but I want to check to see if the file actually exists before I go ahead and create the folder. How would I go on to do that?

VmX5 - April 2, 2018, 9:52 am

Look into a try statement,

Code Try

```
DownloadFile("unknown url")
```

Catch exception as `FileNotFoundException` (404 error)

'Code to run if ^ error

End try

<https://docs.microsoft.com/en-us/dotnet/visual-basic/language-reference/statements/try-catch-finally-statement>

Ninja - April 2, 2018, 10:21 am

(Apr 2, 2018 09:50 AM)Haters Ganna Hate Wrote: [\[CITE\]](#) so a new folder for each mp3 file but I want to check to see if the file actually exists before I go ahead and create the folder. How would I go on to do that?

[Directory.CreateDirectory](#) first checks if the directory exists, and if it does not, creates the directory. If you want to check only if the directory exists then use [Directory.Exists](#).

EDIT: Also, in your code you never increase the MusicNumber integer so the loop is endless. And instead of a Do Until integer = value I suggest you use a for loop.

EDIT2: A 404 results in a WebException. Use a Try-Catch block to catch the WebException. The WebException has a Response property. If you cast that WebResponse to a HttpWebResponse you can check the StatusCode if it is 404 or something else.

Haters Ganna Hate - April 2, 2018, 3:11 pm

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Hey, So I looked at the recommendations you guys posted here and then later modified it to work with BackgroundWorkers. This is what I have now: <https://pastebin.com/R27U6ZJG>

The thing is, with 404 pages, it doesn't skip to the next file, it downloads the 404 page as a .mp3 which means the WebException is not being caught. What can I do to fix this?

gigajew - April 2, 2018, 3:55 pm

Something like this may work