

Forum:[Hack Forums](#)

Thread: [\[TUT\] Real Update System \(auto-check, auto-install\)](#)

ManDoR - February 18, 2011, 7:53 am

Hey everybody !

I've seen a lot of people that asked for an update system... I've seen some system, but not really working... So I give you mine :) It's not optimized, so if you have comment, please post ! :)

So here is the tut :

First, I explain you how it works : The system check the content of a file that is in your database : the number of your new version. If this number isn't equal as the version of the program, it opens the update form. In this form, there is a button, that when you click on it, save the content of the file where is saved the number of the newest version, and download it in your server. So you have to name your newest version same as the number that is in the file on your server ! After that, it UnRAR it, and install it...

Code for your main form, that check updates :

```
Code Public Sub check_update()  
    Dim webResponse3 As System.Net.HttpWebResponse = Nothing  
    Dim webRequest3 As System.Net.HttpWebRequest =  
System.Net.HttpWebRequest.Create("http://www.example.com/the_file_where_is_saved_the_number_of_your_newest_version.html")  
    Try  
        webResponse3 = DirectCast(webRequest3.GetResponse(), System.Net.HttpWebResponse)  
        Dim srResp As System.IO.StreamReader  
        srResp = New System.IO.StreamReader(webResponse3.GetResponseStream())  
        Dim last_version As String  
        last_version = srResp.ReadToEnd  
        If Not derniere_version = "number version, like 1.2.2" Then  
            Me.Hide()  
            update.Show()  
            Me.Close()  
        Else  
            OtherForm.Show()  
        End If  
    Catch ex As Exception  
        MsgBox("Erreur while verifying update...")  
        OtherForm.Show()  
    End Try  
  
End Sub
```

Code for your update form, that download and instal update (you need UnRAR.exe in the same folder of your app ! download : [here](#)):

```
Code Public last_version as string
```

```
Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)  
Handles Button1.Click
```

```

check_version()
If Not Dir("update.rar") = "" Then
    Kill("update.rar")
End If

If My.Computer.Network.IsAvailable Then
    Dim newfile As String = "update.rar"
    Try
        MsgBox("Download will start. If application freeze, don't worry, it's normal !")
        My.Computer.Network.DownloadFile("http://www.frag-n-roses.com/downloads/Release v" &
last_version & ".rar", newfile)
        MsgBox("Download finished !" & vbCrLf & "Please wait while update system unzip updated
program...")
        UnRAR(".\update.rar", ".\")
    Catch
        MsgBox("Error while downloading !")
    End Try
Else
    MsgBox("You're NOT connected to internet ! Please check your connect...")
End If
End Sub

Public Sub check_version()
    Dim webResponse3 As System.Net.HttpWebResponse = Nothing
    Dim webRequest3 As System.Net.HttpWebRequest =
System.Net.HttpWebRequest.Create("http://www.example.com/the_file_where_is_saved_the_numb
er_of_your_newest_version.html")
    Try
        webResponse3 = DirectCast(webRequest3.GetResponse(), System.Net.HttpWebResponse)
        Dim srResp As System.IO.StreamReader
        srResp = New System.IO.StreamReader(webResponse3.GetResponseStream())
        last_version = srResp.ReadToEnd
    Catch ex As Exception

End Try

End Sub

Private Function UnRAR(ByVal FileName As String, ByVal ExtractDir As String) As Boolean
    Dim Success As Boolean = False
    Dim CodeDeSorti As Integer

    Try
        Dim proc As New Process()
        With proc
            With .StartInfo
                .UseShellExecute = False
            #If DEBUG Then
                .FileName = "UnRAR.exe"
            #Else
                .FileName = My.Application.Info.DirectoryPath & "UnRAR.exe"
            #End If
            .Arguments = " x -ibck -inul -or -y " & " " & FileName & " " & ExtractDir & " "

```

```
.WorkingDirectory = ExtractDir
.WindowStyle = ProcessWindowStyle.Hidden
.CreateNoWindow = True
End With
.Start()
.WaitForExit()
CodeDeSorti = .ExitCode
.Close()
End With
If CodeDeSorti < 2 Then
    Success = True
End If
Catch ex As Exception
    MsgBox("UpDate system can't install updated program... Please do it yourself !" & vbCrLf &
vbCrLf & "Program will close when you'll press OK...")
End Try

Return Success
End Function
Hope it will help you...
```

PS: Sorry if there are any french languages, I'm french :p

ManDoR - February 19, 2011, 2:57 am

Bump ! It's not helping ??

E.T - February 19, 2011, 3:04 am

Good, but there is a lot of source like that, but thank's you :D

ManDoR - February 19, 2011, 3:07 am

(Feb 19, 2011 04:04 AM)E.T Wrote: [\[CITE\]](#) Good, but there is a lot of source like that, but thank's you :D

Thanks for reply :)

i know there are a lot of source like that, but it's not the same system, and they haven't the code for extract a *.rar archive :)

xCocaine - February 19, 2011, 5:39 am

(Feb 19, 2011 04:04 AM)E.T Wrote: [\[CITE\]](#) Good, but there is a lot of source like that, but thank's you :D

Well, its the first time i see an example with webrequest...

Here all snippets are like download & run .

This Girl Is On Fire - February 19, 2011, 8:06 am

The fact that it uses UnRar put me off.

ManDoR - February 19, 2011, 8:58 am

(Feb 19, 2011 06:39 AM)xCocaine Wrote: [\[CITE\]](#) Well, its the first time i see an example with webrequest...

Here all snippets are like download & run .

Thanks !

(Feb 19, 2011 09:06 AM)Zevilone Wrote: [\[CITE\]](#) The fact that it uses UnRar put me off. It uses UnRAR just because it's an example of how to auto-install an archive !

TraptCode - February 26, 2011, 1:37 pm

xSilent has a better tutorial on this, maybe you can watch his videos and improve your code.

ManDoR - February 26, 2011, 2:22 pm

His tut doesn't show how to Unrar... It's a simple tut to show a method... you can improve it like you want, but it works fine for me

***.dll** - August 20, 2011, 9:46 am

Ok guys i think this cant work since when it needs to extract update into a startup folder it will show error:

file is already in use this only can work if you make 2 projects and you use process.start (application) and process.start (update) when update is closing you need to call this command process.start (application.exe) and me.close...

I think thats only solution or you can change name of application i think that will work too but i dont guess anything...

Coleak - August 20, 2011, 11:17 am

This code has been posted on multiple websites. Example:

<http://www.vbforums.com/showthread.php?t=643189>

Quit leeching please...

asad3man - August 20, 2011, 11:18 am

Close this thread, cz this thread is gonna flame of fire,and flame of users xD

g1ll1s - March 11, 2012, 11:40 pm

I have tried this, but it cant simply compare the .txt file on the server to a label. It just does the code that comes before the "else". Like it cant compare the two strings correctly and tell that they are not equal to eachother. Anyone know what might be going wrong?