

Forum:[Hack Forums](#)

Thread: [\[Tutorial\]Editing hosts file in C# + VB.NET \(blocking them from sites\)](#)

Feminist - September 23, 2009, 12:24 pm

C#

Code using System.IO;

Code string system = Environment.GetFolderPath(Environment.SpecialFolder.System);

//^ Above creates the string system, and stores the system folder path in it

string hosts = system + "\\\" + \"drivers\" + \"\\\" + \"etc\" + \"\\\" + \"hosts\";

//^ In VB.NET you would only need one slash, but in C# you need two

// ^ basically this takes the string system and adds the path to it

StreamWriter writer = new StreamWriter(hosts);

// ^ Creates a new StreamWriter with the path of our hosts string

writer.Write(\"##Hosts file edit\");

//^ Writes ##Hosts file edit in our hosts file

writer.Write(Environment.NewLine);

//^ Creates a new line, important so text is not all in 1 line

writer.Write(\"127.0.0.1 www.google.ca\");

//^ Writes 127.0.0.1 www.google.ca in our hosts file, redirecting anybody who

//^ goes to google to 127.0.0.1 which is localhost

writer.Write(Environment.NewLine);

//^ See above

writer.Write(\"127.0.0.1 google.ca\");

//^ This is important, because the user cannot go to www.google.ca, but he will

//^ be able to go to google.ca!!

writer.Write(Environment.NewLine);

//^ See above

writer.Write(\"127.0.0.1 209.85.135.99\");

//^ Okay, 209.85.135.99 is the IP address of google.

//^ if you redirect google.ca and www.google.ca then the user will still

//^ be able to go to 209.85.135.99, which is google so we want to block that

//^ Now, if the user tries to go to www.google.ca he will be redirected to

//^ localhost, if he goes to google.ca he will be redirected to localhost

//^ and finally, if he is smart and pings google then he will

//^ get the address 209.85.135.99, but when he tries to go to that he will be

//^ redirected to localhost bwahahahahah

writer.Dispose();

//^ This is important, it closes our streamwriter and saves the data, please

//^ remember writer.Write will clear everything in the hosts file if the style
//^ is not append, but I will not get into that now.

//^ if we did not have our newline this is what our hosts file would look like
//^ ###Hosts file edit127.0.0.1 www.google.ca127.0.0.1 google.ca127.0.0.1 209.85.135.99
//^ but our hosts file has to look like the following in order to be read

//^ ###Hosts file edit
//^ 127.0.0.1 www.google.ca
//^ 127.0.0.1 google.ca
//^ 127.0.0.1 209.85.135.99

//^ I hope you enjoyed my tutorial, feel free to ask for more in C# or VB.NET!
VB.NET

Code Imports System.IO

Code Dim systempath As String = Environment.GetFolderPath(Environment.SpecialFolder.System)
'this creates a new string with the value of the persons system32/62 folder

Dim hosts As String = systempath & "\" & "drivers" & "\" & "etc" & "\" & "hosts"
'this creates a new string with the value of systempath and the above text
'in VB.NET we do not need two \\s only one.

Dim writer As New StreamWriter(hosts)
'this creates the streamwriter "writer" and sets its path to our string hosts, done above.

writer.Write("###Hosts file edit")
'writes ###Hosts file edit in our hosts file
'same as in C#
writer.Write(Environment.NewLine)

' Creates a new line, important so text is not all in 1 line
' same as in C#

writer.Write("127.0.0.1 www.google.ca")
' Writes 127.0.0.1 www.google.ca in our hosts file, redirecting anybody who
' goes to google to 127.0.0.1 which is localhost

writer.Write(Environment.NewLine)
' See above

writer.Write("127.0.0.1 google.ca")
' This is important, because the user cannot go to www.google.ca, but he will
' be able to go to google.ca!!

writer.Write(Environment.NewLine)
' See above

writer.Write("127.0.0.1 209.85.135.99")
' Okay, 209.85.135.99 is the IP address of google.
' if you redirect google.ca and www.google.ca then the user will still
' be able to go to 209.85.135.99, which is google so we want to block that
' Now, if the user tries to go to www.google.ca he will be redirected to

' localhost, if he goes to google.ca he will be redirected to localhost
' and finally, if he is smart and pings google then he will
' get the address 209.85.135.99, but when he tries to go to that he will be
' redirected to localhost bwahahahahah

'SAME AS IN C#

writer.Dispose()

' This is important, it closes our streamwriter and saves the data, please
' remember writer.Write will clear everything in the hosts file if the style
' is not append, but I will not get into that now.

' if we did not have our newline this is what our hosts file would look like
' ##Hosts file edit127.0.0.1 www.google.ca127.0.0.1 google.ca127.0.0.1 209.85.135.99
' but our hosts file has to look like the following in order to be read

' ##Hosts file edit
' 127.0.0.1 www.google.ca
' 127.0.0.1 google.ca
' 127.0.0.1 209.85.135.99

' I hope you enjoyed my tutorial, feel free to ask for more in C# or VB.NET!

'SAME AS IN C#

I did not use a converter, I wrote it in C# first however, then just used my knowledge of VB.NET to translate it.

6e756c6c - September 23, 2009, 3:14 pm

You didn't hear it from me.

<http://support.microsoft.com/kb/927847>

Have fun.

Apple - September 23, 2009, 3:24 pm

(Sep 23, 2009 03:14 PM)Aeonhack Wrote: [\[CITE\]](#) You didn't hear it from me.

<http://support.microsoft.com/kb/927847>

Have fun.

On the road to black-hattary. Welcome, son.

6e756c6c - September 23, 2009, 3:25 pm

Never! I see some better potential for that - like blocking the ad server or something..

Feminist - September 23, 2009, 3:25 pm

Cool, that would be good to do if you want to block WLM too.

Xx1232shooterxX - September 23, 2009, 4:17 pm

(Sep 23, 2009 03:25 PM)scriptkiddy Wrote: [\[CITE\]](#) Cool, that would be good to do if you want to block WLM too.ya but how would that work? Do you just put:

TCP/UDP 30000 - 65535 that in?

6e756c6c - September 23, 2009, 4:26 pm

No, you would add something like this to the hosts file:

127.0.0.1 login.live.com

I think it worthy of being mentioned that most AV programs will pick up modified host files - some even go as far as registering another host file altogether rendering this technique useless. : (

Feminist - September 23, 2009, 4:36 pm

(Sep 23, 2009 04:26 PM)Aeonhack Wrote: [\[CITE\]](#) No, you would add something like this to the hosts file:

127.0.0.1 login.live.com

I think it worthy of being mentioned that most AV programs will pick up modified host files - some even go as far as registering another host file altogether rendering this technique useless. : (I have never heard of that

Ajax1 - October 10, 2009, 7:33 am

There must be a better way to do this. Editing HOSTS trips every AV, and WinDefender screams like a little girl.

raushan2007 - October 10, 2009, 7:45 am

Excellent..thnx alot man...really usefull...

AfterDeath - November 17, 2009, 1:20 am

great tut i + repped

Joler1302 - November 17, 2009, 6:30 am

haha block <https://Login.live.com> & <http://Login.live.com> & both ips :d then no logging into msn :p

Voluxe - November 17, 2009, 6:40 am

I'll use this is my new phisher. [RuneScape]
Hack they're accs and block RuneScape.

THANK YOU FOR THIS!

Vice - November 21, 2009, 11:32 pm

Not sure why you're using 'writer.Write(Environment.NewLine)' when 'writer.WriteLine(w/e)' does the job with less code...

BETAhkr - November 22, 2009, 11:32 am

How is this a tutorial though? lol.

RobotzInDisguise - November 22, 2009, 11:28 pm

Seriously, We need more of these threads. Why is this so hard to find other threads about this because I have been searching for more tuts about this for nearly 3 hours straight.

My result: Fail

TheBlackMarket - February 19, 2010, 10:02 am

Thanks for sharing the source code mate, Keep It Up.

Mc.cLane - February 19, 2010, 4:14 pm

this a very nice...

thx to tutorial...

King Flawless - February 19, 2010, 4:42 pm

This is very nice any chance of the source for how to do in vb6?

Feminist - February 19, 2010, 5:29 pm

(Feb 19, 2010 05:42 PM)King Flawless Wrote: [\[CITE\]](#) This is very nice any chance of the source for how to do in vb6?

char HostsFile[256]; or HostsFile BYTE 260 dup(?) This will basically turn into a pointer to the bytes (array) that is viewable in the hex dump.

Honestly no clue in VB6, just use a file stream and stuff... Here's how it's done in assembler and C++... I am sure you can easily import the functions I am using and just use a simple file io.

Assembler:

Code .386

.model flat, stdcall

option casemap:none

include \masm32\include\windows.inc

include \masm32\include\kernel32.inc

include \masm32\include\user32.inc

include \masm32\include\msvcrt.inc

includelib \masm32\lib\kernel32.lib

includelib \masm32\lib\user32.lib

includelib \masm32\lib\msvcrt.lib

fopen PROTO C :DWORD, :DWORD

fprintf PROTO C :DWORD, :DWORD, :VARARG

fflush PROTO C :DWORD

fclose PROTO C :DWORD

.DATA

extPath db "\System32\drivers\etc\hosts", 00h

HostsWrite db "127.0.0.1 www.google.ca", 13, 10 ;CR LF (carrage return linefeed)

db "127.0.0.1 google.ca", 00h ;end of string null terminated

strWINDIR db "WINDIR", 00h

xAB db "ab", 00h

xfprintf db "%s", 00h

.DATA?

HostsPath BYTE 260 dup(?) ;buffer for hosts file

hFile DWORD ?

.CODE

start: ;entry point

push 260

```
lea edx, HostsPath
push edx
push offset strWINDIR
call GetEnvironmentVariable
```

```
lea edx, HostsPath
push edx
push offset extPath
call lstrcat
```

```
lea edx, HostsPath
push edx
call GetFileAttributes
```

```
cmp eax, -1 ;attributes returned in eax, if its -1 that means file does not exist
```

```
push eax
call ExitProcess
```

```
jnz _writeFile
```

```
_writeFile:
push offset xAB
lea edx, HostsPath
push edx
call fopen
```

```
add esp, 2*4
mov hFile, eax ;handle returned into eax
```

```
push offset HostsWrite
push offset xfprintf
push hFile
call fprintf
```

```
push hFile
call fflush
```

```
push hFile
call fclose
```

```
push eax
call ExitProcess
```

```
end start
```

```
C++:
```

```
Code #include <windows.h>
#include <stdio.h>
```

```
HANDLE hFile;
```

```
int main()
```

```
{  
  
char fileWrite[] = "\n127.0.0.1 www.google.ca\n127.0.0.1 google.ca";
```

```
char HostsPath[256]; //Yeah, I know I did 260 in assembler, made a typo and i dont feel like fixing  
it...
```

```
GetEnvironmentVariable("WINDIR", HostsPath, 256);
```

```
Istrcat(HostsPath, "\\System32\\drivers\\etc\\hosts");
```

```
if( GetFileAttributes(HostsPath) != -1 ) //checking if exists
```

```
{  
hFile = fopen(HostsPath, "ab");  
if( hFile != NULL ) // didn't check for this in assembler, didnt feel like typing too much (null = 0)  
{  
fprintf(hFile, "%s", fileWrite);  
fflush(hFile);  
fclose(hFile);  
}  
}  
return 0;
```

PS: This was done in notepad... so their might be errors

for VB6, google file streams and just import the functions that I am using.

redfox - February 19, 2010, 9:01 pm

I have better way...

1st create a copy of host on notepad and add the host u wanna block...then make a sfx archive using winrar...put the host file in the archive and make it extract direct to the file that contain the original host...

Its Works great for me...

Feminist - February 19, 2010, 9:04 pm

No that way is not better because it takes multiple files.

n00bSaibot - March 4, 2010, 5:37 pm

This will not work on Windows 7 or any Windows Vista with the UAC in effect. The program will throw a System Access Exception. I have not found a way in C# to get around this yet, but when I do, I will let you know. Reading from the host file can be done, haven't found how to alter it.

wesnr - March 4, 2010, 7:07 pm

(Mar 4, 2010 06:37 PM)n00bSaibot Wrote: [\[CITE\]](#) This will not work on Windows 7 or any Windows Vista with the UAC in effect. The program will throw a System Access Exception. I have not found a way in C# to get around this yet, but when I do, I will let you know. Reading from the host file can be done, haven't found how to alter it.In C#, You Could Have It Edit The UAC Registry Key To Disable And Auto-Restart The Computer For It To Take Effect. (Make Sure You Have A Manifest File So It Will Auto-Run As Admin)

Feminist - March 4, 2010, 8:58 pm

Much better ways of doing this... Such as hijacking winsock functions and etc.

Or making IE or FireFox connect to a proxy that denies certain websites. (Very easy to do with winsock)

farzin0123 - March 12, 2010, 1:49 am

PLZ HELP MEEe! I want a ((javascript code)) to editing hosts file !!!....
Sorry for my pure English!!

Feminist - March 12, 2010, 7:27 am

(Mar 12, 2010 02:49 AM)farzin0123 Wrote: [\[CITE\]](#) PLZ HELP MEEe! I want a ((javascript code)) to editing hosts file !!!....
Sorry for my pure English!!
You cant do that in javascript.

Mr Fool - March 15, 2010, 3:56 pm

nice code thanks ?

Have nice day ?

Have Fun Cya ?

High Definition - March 15, 2010, 7:23 pm

Looks good..Must be used in crypters to redirect virustotal.com to nvt ...:D

illmatic23007 - April 14, 2010, 11:05 pm

wait can some1 help me i think this is the problem y i cant connect 2 ddoser 3.4 cracks can some1 tell me how to fix the prob pleaz

Yui Hirasawa - May 7, 2010, 6:46 pm

Hm i get an error saying i dont have privilege's to access the hosts file when i run, is it possible you could supply me with a code to elevate my file access in VB.NET?

codepoet - May 7, 2010, 7:02 pm

you mean like running the programs as admin.....

Yui Hirasawa - May 7, 2010, 7:11 pm

Yes, but so the user is automatically prompted when he/she opens the file normally, or to do it undercover, so no prompt is asked.

iRtehLeet™ - May 7, 2010, 7:13 pm

With UAC on, it is not possible, this is why you are seeing this error.

Yui Hirasawa - May 7, 2010, 7:16 pm

Im using this tut in my Rogue, i need to know, if its on someone else's computer, and they have UAC on, Is it possible to turn it off/Run the program as admin Via. Code.

iRtehLeet™ - May 7, 2010, 9:35 pm

(May 7, 2010 07:16 PM)Eld0002 Wrote: [\[CITE\]](#) Im using this tut in my Rogue, i need to know, if its on someone else's computer, and they have UAC on, Is it possible to turn it off/Run the program as admin Via. Code.

Not without them knowing. And disabling UAC in code requires a restart, pretty hard to mess with UAC.

[EPIC] LOL [/EPIC] - May 11, 2010, 1:27 pm

Thanks! Really useful :D

Automatic Coding - August 8, 2010, 6:57 pm

ignore me...im retarded

DisconnectionModsss - August 8, 2010, 11:22 pm

Good post. Thanks for this.

vardushik - August 12, 2010, 2:50 pm

nice , i've found on internet , cool program called BarevTM Host File editor , works really amazing .
check it out .

<http://barevtm.weebly.com/downloads.html>

dedea - August 28, 2010, 5:38 am

i got problem i want type that site on textbox and block with button if i blocked so will type blockd site
how i do it?

kerixx - September 2, 2010, 8:41 am

anyone?

I need help on how to delete files in windows/system32/drivers/etc/hosts
using vb.net?

i badly need it right now..

thanks for the responds

Sebbert - November 20, 2010, 4:19 pm

(Mar 12, 2010 02:49 AM)farzin0123 Wrote: [\[CITE\]](#) PLZ HELP MEEe! I want a ((javascript code)) to
editing hosts file !!!....

Sorry for my pure English!!

???

Really? You think you can edit files via a browser?

Peter Doherty - December 19, 2010, 7:01 pm

Thanks a heap man! Tuts like this make it easy to learn.

Pulser - December 19, 2010, 7:02 pm

(Sep 2, 2010 08:41 AM)kerixx Wrote: [\[CITE\]](#) anyone?

I need help on how to delete files in windows/system32/drivers/etc/hosts
using vb.net?

i badly need it right now..

thanks for the responds

Is it really that hard to look up the delete method?

FreshHRS - May 14, 2011, 9:36 am

Ah well :(

Access to the path 'C:\Windows\system32\drivers\etc\hosts'

surr0gate - May 14, 2011, 9:37 am

Would you need UAC bypass for this? .. because you are changing an important file

FreshHRS - May 14, 2011, 9:45 am

NVM, it worked. Though when I delete it from the hosts file, it'll still be blocked, why?

valentinas25 - May 14, 2011, 11:32 am

i'm little interested in coding (not little :D) but now i can't get vb coz using vista with NO SP and shitty
internet so can't update SP... Is this possible to block all anti-virus ip's ? i know we can edit websites
and ips, but... So my idea is this: First code will kill all anti-virus process, when modify host file with
ALL anti-virus servers(ip's :) if this possible of course :)

