

Forum:[Hack Forums](#)

Thread: [Extension Spoofer w/ GUI](#)

Introvert - July 1, 2015, 11:36 am

I recently started working on a lot of random projects since I have more free time, and I have made a few cool programs so far.

Today, I am releasing my extension spoofer. It isn't my prettiest code, but it works perfectly.

This works by using the unicode right-to-left-override character, so it is not an exploit or anything, but it should fool some people.

Here is a screenshot:

Spoiler ([Click to View](#))

Here is the source code:

<http://pastebin.com/ip07ZX41>

[The code tags mess up the indentation]

```
Code import shutil
```

```
import time
```

```
import os
```

```
import wx
```

```
class Spoofer(wx.Frame):
```

```
    extensions = {'.exe' : 'exe',
```

```
        '.jpg' : 'gpj',
```

```
        '.png' : 'gnp',
```

```
        '.pdf' : 'fdp',
```

```
        '.mp4' : '4pm',
```

```
        '.avi' : 'iva',
```

```
        '.txt' : 'txt'}
```

```
    def __init__(self):
```

```
        self.InitUI()
```

```
    def InitUI(self):
```

```
        wx.Frame.__init__(self, None, -1, 'Extension Spoofer', size=(335,100),
```

```
        style=wx.DEFAULT_FRAME_STYLE ^ wx.RESIZE_BORDER ^ wx.MAXIMIZE_BOX)
```

```
        self.panel = wx.Panel(self)
```

```
        self.SetBackgroundColour('#ECF0F1')
```

```
        wx.StaticText(self, -1, ' File:', pos=(16,11))
```

```
        self.file_input = wx.TextCtrl(self, -1, pos=(48,8), size=(267,24), style=wx.TE_READONLY)
```

```
        self.file_input.SetValue('PRESS OPEN TO CHOOSE A FILE')
```

```
        wx.StaticText(self, -1, ' Ext:', pos=(16,38))
```

```
        self.ext = wx.ComboBox(self, -1, "", pos=(48,35), choices=self.extensions.keys(),
```

```
style=wx.CB_READONLY)
```

```
self.open_file = wx.Button(self, 101, 'Open', pos=(136,34))  
self.Bind(wx.EVT_BUTTON, self.OpenFile, id=101)
```

```
self.spoof = wx.Button(self, 102, 'Spoof', pos=(228,34))  
self.Bind(wx.EVT_BUTTON, self.SpoofFile, id=102)
```

```
self.Centre()  
self.Show()
```

```
def OpenFile(self, event):  
    default_path = os.path.splitdrive(os.getenv('WINDIR'))[0] + '\\'  
    file_dialog = wx.FileDialog(self, 'Open File', default_path, "", 'All Files (*.*)|*.*', wx.OPEN)
```

```
    if file_dialog.ShowModal() == wx.ID_OK:  
        self.fname = str(file_dialog.GetFilename())  
        self.fdir = str(file_dialog.GetDirectory())  
        self.curr_extension = os.path.splitext(self.fname)[1]
```

```
    self.file_input.SetValue(os.path.join(self.fdir, self.fname))  
    return 0  
    else:  
        return 1
```

```
def SpoofFile(self, event):  
    self.error = 0
```

```
    if self.file_input.GetValue() == " or self.file_input.GetValue() == 'PRESS OPEN TO CHOOSE A  
FILE':
```

```
        wx.MessageBox('Please choose the file to be spoofed.', 'Error!', wx.OK | wx.ICON_ERROR)  
        self.error += 1
```

```
    if self.ext.GetValue() == "":  
        wx.MessageBox('Please choose the extension to use.', 'Error!', wx.OK | wx.ICON_ERROR)  
        self.error += 1
```

```
    if self.error != 0:  
        return 1
```

```
    dir_dialog = wx.DirDialog(self, 'Choose A Backup Location', self.fdir)
```

```
    if dir_dialog.ShowModal() == wx.ID_OK:  
        self.bak_dir = str(dir_dialog.GetPath())  
        self.bak_path = os.path.join(self.bak_dir, (self.fname + '.bak'))
```

```
    self.ext_type = self.ext.GetValue()  
    self.path = str(self.file_input.GetValue())
```

```
    try:  
        shutil.copyfile(self.path, self.bak_path)  
    except IOError:  
        wx.MessageBox('An IO error has occurred.\nTry running as administrator.', 'Error!', wx.OK |
```

```

wx.ICON_ERROR)
    return 1
else:
    return 1

    time.sleep(2)

    try:
        new_fname = os.path.splitext(self.fname)[0] + u'\u202E' + self.extensions.get(self.ext_type) +
self.curr_extension
        os.chdir(self.fdir)
        os.rename(self.path, new_fname)

        wx.MessageBox('Successfully Spoofed Extension.', 'Success!', wx.OK |
wx.ICON_INFORMATION)
        return 0
    except:
        wx.MessageBox('An error during spoofing has occurred.\nTry running as administrator.', 'Error!',
wx.OK | wx.ICON_ERROR)
        return 1

if __name__ == '__main__':
    app = wx.App()
    Spoofer()
    app.MainLoop()

```

Note that wxPython is required for this to work.

To add more extensions, simply add your desired extension to the dictionary as a key - and for the value add the extension backwards, without the dot.

If you enjoy this program, it would be appreciated if you posted or left a vouch so other people can see this too.

Thanks!

Mouse? - July 1, 2015, 12:44 pm

RTLO character spoofing. Brings back memories of me doing this in C++. And you even used wxPython instead of PyQt. I love it.

Introvert - July 1, 2015, 2:19 pm

(Jul 1, 2015 12:44 PM)#Mouse Wrote: [\[CITE\]](#) RTLO character spoofing. Brings back memories of me doing this in C++. And you even used wxPython instead of PyQt. I love it.

Thanks! I was actually thinking of using PyQt but I'm much more comfortable with wxPython. ?

MrCortex - July 9, 2015, 12:44 pm

This one looks nice man :) well done.

Introvert - July 9, 2015, 3:48 pm

(Jul 9, 2015 12:44 PM)MrCortex Wrote: [\[CITE\]](#) This one looks nice man :) well done.

Thanks! I really appreciate it.

4h35i13n46u7 - July 10, 2015, 12:03 am

This is that file changing exploit that i learnt 1-2 years ago. so this app makes that task easier. wow. amazing. o_o the core of this app is that (u202E) and ofcourse python. haha xD (y)

EDIT: just took the source from pastebin, i am sure this will help me someday.. Thank-you so much for sharing it. really appreciate your efforts! ^_~

Introvert - July 10, 2015, 1:31 pm

(Jul 10, 2015 12:03 AM)4h35i13n46u7 Wrote: [\[CITE\]](#) This is that file changing exploit that i learnt 1-2 years ago. so this app makes that task easier. wow. amazing. o_O the core of this app is that (u202E) and ofcourse python. haha xD (y)

EDIT: just took the source from pastebin, i am sure this will help me someday.. Thank-you so much for sharing it. really appreciate your efforts! ^_~

Thanks, and no problem. I hope you find it useful! ?

@beef - July 11, 2015, 1:04 pm

Wow very nice. This will make stuff a lot easier. Good job.

Introvert - July 13, 2015, 1:24 pm

(Jul 11, 2015 01:04 PM)@BeeF Wrote: [\[CITE\]](#) Wow very nice. This will make stuff a lot easier. Good job.

Thanks for the feedback. I really appreciate it!