### **Automating Fuzzers**

# The target is **VLC media player**

VLC is an and open source cross-platform multimedia player and framework that plays most multimedia files

#### Attack surface on transcode files

The focus will be directed towards transcode files and we sending unexpected inputs and see what the vlc will do

Generating Test Case by Radamsa and go fuzzing by script python

file types uses like (avi,mp4,avo. atc)

Fuzzing techniques and tools used

- Radamsa
- Script python

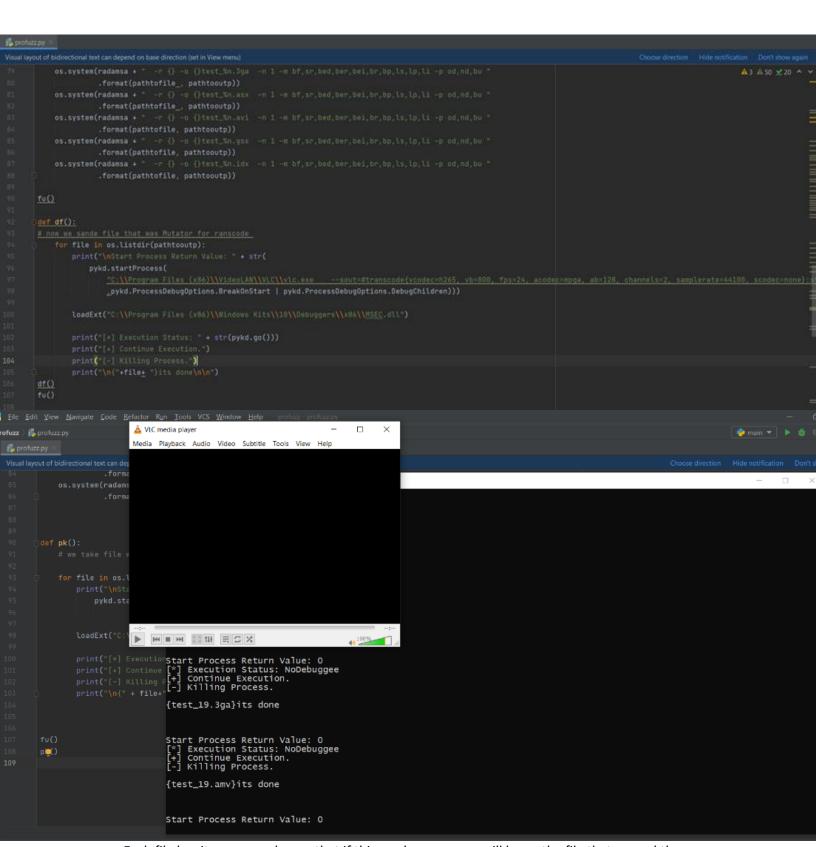
### A demonstration of the final product

## I will attach the python script used in the fuzzing

```
inport sys
from pykd import *
inport pykd
from _datetime import datetime

pathtofile = "C:\\Users\\sa796\\Documents\\input\\"
pathtoutpi = "C:\\Users\\sa796\\Documents\\output\\"
pathtoutpi = "C:\\Users\\sa796\\Documents\\outp\\cap\input\\output\\output\\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\output\\
```

```
file1.write(hash + "\n")
                    crash1 = f.readlines()
                    str_date_time = now.strftime("%d-%m-%Y_%H-%M")
                    file.write(dbgCommand("k"))
                    file.write(dbgCommand("u"))
                    file.write(dbgCommand("lm"))
                    file1.close()
#Generating take file from pathtofile for Mutator Test Case by Radamsa and save files in pathtooutp
   os.system(radamsa + " -r {} -o {}test_%n.mp3 -n 30 -m bf,sr,bed,ber,bei,br,bp,ls,lp,li -p od,nd,bu "
```



Each file has its own number so that if this crash occurs, we will know the file that caused the crash