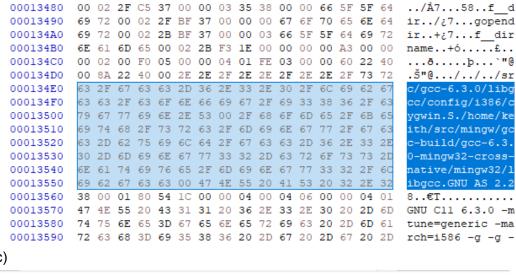
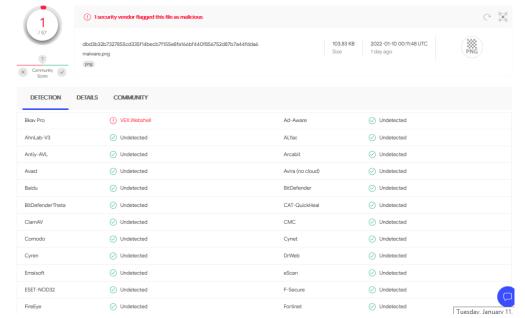
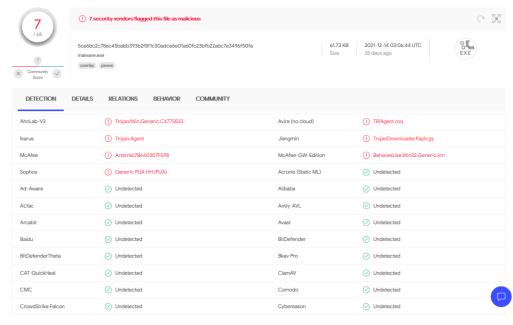
- 1.
- a) nu s-a observat nimic suspicios, nu a aparut nicio eroare
- b) se observa flag-uri de compilator



c)



d) executabilele incep cu MZ asa ca am extras continutul incepand cu acel MZ



- e) toate signaturile fisierelor incep cu MZ si sunt executabile deci am folosit acest lucru pentru a extrage executabilul pentru subpunctul d
- f) daca executabilul este rulat intr-un fisier ce contine pdf uri, acestea vor fi sterse, deci se poate considera ca imaginea este malware

- 2. -> daca parola este mai lunga de 7 caractere atunci va aparea eroarea de tip buffer overflow
 - -> daca parola are 14 caractere si este formata din 2 substringuri identice (Ex: fmiSSI1fmiSSI1) atunci va aparea mesajul parola corecta

3.

```
import json
import hashlib
import requests

f1 = open("ex3 file", "rb")
f2 = open("data.json", "w", encoding="utf-8")

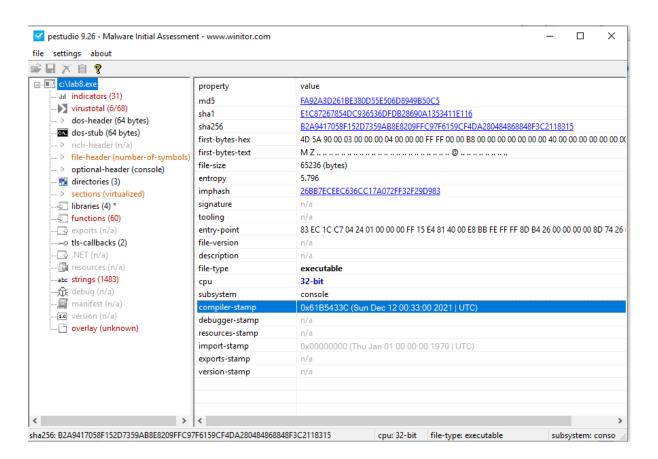
def sha256_file():
    sha256_hash = hashlib.sha256()
    for block in iter(lambda: f1.read(4096), b""):
        sha256_hash.update(block)
    return sha256_hash.hexdigest()

def virustotal_api(sha256_file_key):
    url = 'https://www.virustotal.com/vtapi/v2/file/report'
    params = {'apikey':
    'b2d70ce91321acc48d9953037fe31ec17972cf88c0615f1737d247232f7cd96ba',
    'resource': sha256_file_key)
    response = requests.get(url, params=params)
    json.dump(response.json(), f2, ensure_ascii=False, indent=2)

sha256_file_key = sha256_file_()
print(sha256_file_key)
virustotal_api(sha256_file_key)

f1.close()
f2.close()
```

4. -> data la care a fost compilat binarul



->

