Forela needs your help! A whole portion of our UNIX servers have been hit with what we think is ransomware. We are refusing to pay the attackers and need you to find a way to recover the files provided. Warning This is a warning that this Sherlock includes software that is going to interact with your computer and files. This software has been intentionally included for educational purposes and is NOT intended to be executed or used otherwise. Always handle such files in isolated, controlled, and secure environments. Once the Sherlock zip has been unzipped, you will find a DANGER.txt file. Please read this to proceed.

Please confirm the encryption key string utilised for the encryption of the files provided?

I opened the file "bescrypt3.2" with IDA and the first Function "\_strstr" appears and contains some





I clicked on the string and right above him there is a string called "Encrypting" which might be the answer for

```
Todata:000000000002170 aForelaCritical db '/forela-criticaldata/',0
rodata:000000000000002190 ; DATA XREF: main+13†o
```

Answer: bhUllshutrea98liOp

lask 2: We have recently recieved an email from wbevansn1@cocolog-nifty.com demanding to know the first and last name we have him registered as. They believe they made a mistake in the application process. Please confirm the first and last name of this applicant.

I told ChatGPT to build me a Python code to decrypt the files.

After decrypting the files using the key from task 1, I searched using Notepad++ the name wbevansn1 and found the details on him from the forela\_uk\_applicants.sql.24bes

(830, 'Walden', 'Bevans', 'wbevansnl@cocolog-nifty.com', 'Male', 'Aerospace Manufacturing', '2023-02-16'),

Answer: Walden Bevans

Task 3: What is the MAC address and serial number of the laptop assigned to Hart Manifould?

I searched Manlfould in Notepad++

<MAC>E8-16-bF-E7-52-48</mac><asset\_type>laptop</asset\_type><serial\_number>1316262

Answer: E8-16-DF-E7-52-48, 1316262

What is the email address of the attacker?

While opening the txt files from the extracted directory we can see the attacker note

```
This file has been encrypted by bes24 group, please contact us at bes24@protonmail.com to discuss payment for us providing you the decryption software.
```

Answer: bes24@protonmail.com

City of London Police have suspiciouns of some insider trading taking part within our trading

organisation. Please confirm the email address of the person with the highest profit percentage in a

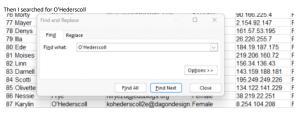
Answer: fmosedale17a@bizjournals.com, 142303.1996053929628411706675436

# Task 6:

Our E-Discovery team would like to confirm the IP address detailed in the Sales Forecast log for a user who is suspected of sharing their account with a colleague. Please confirm the IP address for Karylin O'Hederscoll.

After decrypting the files, the file "sales\_forecast.xlsx.24bes" still look like its encrypted when opening it with Notepad but after removing the .24bes extensions the file is converted to xlsx so I opened the file





Answer: 8.254.104.208

Which of the following file extensions is not targeted by the malware? .txt, .sql,.ppt, .pdf, .docx, .xlsx, .csv, .json, .xml

I used strings to see if I can found something that will be related to the extensions question and I

is note.txt his file has been encrypted by bes24 group, please contact us at bes24@protonmail.com to discuss payment for us providing you the decryption software. irror creating note file: %s irror deleting original file: %s irror deleting original file: %s irror deleting original file: %s

The extension that is not being targeted is .ppt

Answer: .ppt

Task 8: We need to confirm the integrity of the files once decrypted. Please confirm the MD5 hash of the applicants DB.

After decrypting the files I used MD5 hash to see the hash



Answer: F3894AF4F1FFA42B3A379DDDRA384405

We need to confirm the integrity of the files once decrypted. Please confirm the MD5 hash of the trading backup.

After decrypting the files I used MD5 hash to see the hash File Hash Actions InfoLevel VirusTotal External File: trading-firebase\_bkup.json.24bes Size: 1093774 MD5: 87BAA3A12068C471C3320B7F41235669 FileType: 24BES File Copy Hash Copy All

Answer: 87BAA3A12068C471C3320B7F41235669

eed to confirm the integrity of the files once decrypted. Please confirm the MD5 hash of the

After decrypting the files I used MD5 hash to see the hash

N File Hash

Actions InfoLevel VirusTotal External
File: complaints.csv.24bes
Size: 528447
MDS: C3765980D9ED945446F8A21BAFDBF4E7
FileType: 24BES File

Copy Hash

Copy All

Answer: C3F05980D9BD945446F8A21BAFDBF4E7