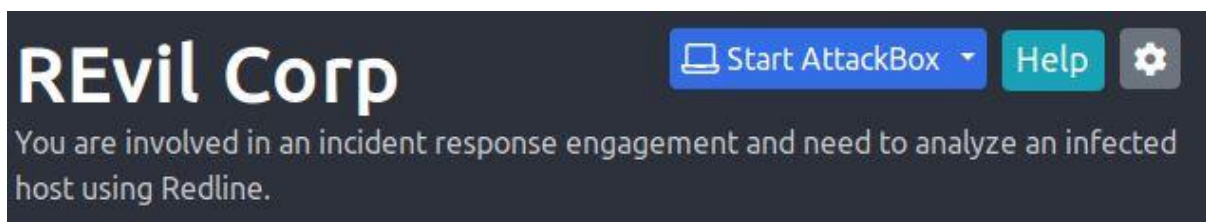




TRY HACK ME: Write-Up

REvil Corp – Malware Analysis with FireEye RedLine



Task 1 Investigating the Compromised Endpoint –

Scenario: One of the employees at Lockman Group gave an IT department the call; the user is frustrated and mentioned that all of his files are renamed to a weird file extension that he has never seen before. After looking at the user's workstation, the IT guy already knew what was going on and transferred the case to the Incident Response team for further investigation.

You are the incident responder. Let's see if you can solve this challenge using the infamous Redline tool. Happy Hunting, my friend!

To start your investigation, open the Mandiant Analysis file in the Analysis File folder on the Desktop.

Note: Loading the Mandiant Analysis file may take 2-3 minutes.

Deploy the machine attached to this task; it will be visible in the split-screen view once it is ready.

If you don't see a virtual machine load then click the Show Split View button.

If you wish to access the virtual machine via Remmina, use the credentials below.

Machine IP: 10.10.121.155

User: administrator

Password: letmein123!

Accept the Certificate when prompted, and you should be logged into the remote system now.

Note: The virtual machine may take up to 3 minutes to load.

Answer to the questions of this section-

What is the compromised employee's full name?

John coleman

Correct Answer

What is the operating system of the compromised host?

Windows 7 Home Premium 7601 Service Pack 1

Correct Answer

What is the name of the malicious executable that the user opened?

WinRAR2021.exe

Correct
Answer

Hint

What is the full URL that the user visited to download the malicious binary?
(include the binary as well)

12.168.75.129:4748/Documents/WinRAR2021.exe

Correct Answer

What is the MD5 hash of the binary?

890a58f200dfff23165df9e1b088e58f

Correct
Answer

Hint

What is the size of the binary in kilobytes?

164

Correct Answer

What is the extension to which the user's files got renamed?

.t48s39la

Correct
Answer

Hint

What is the number of files that got renamed and changed to that extension?

48

Correct
Answer

Hint

What is the full path to the wallpaper that got changed by an attacker, including the image name?

\Users\John Coleman\AppData\Local\Temp\hk8.t

Correct
Answer

Hint

The attacker left a note for the user on the Desktop; provide the name of the note with the extension.

Correct
Answer

 Hint

The attacker created a folder "Links for United States" under C:\Users\John Coleman\Favorites\ and left a file there. Provide the name of the file.

Correct
Answer

 Hint

There is a hidden file that was created on the user's Desktop that has 0 bytes. Provide the name of the hidden file.

Correct
Answer

 Hint

The user downloaded a decryptor hoping to decrypt all the files, but he failed. Provide the MD5 hash of the decryptor file.

Correct
Answer

 Hint

In the ransomware note, the attacker provided a URL that is accessible through the normal browser in order to decrypt one of the encrypted files for free. The user attempted to visit it. Provide the full URL path.

Correct
Answer

 Hint

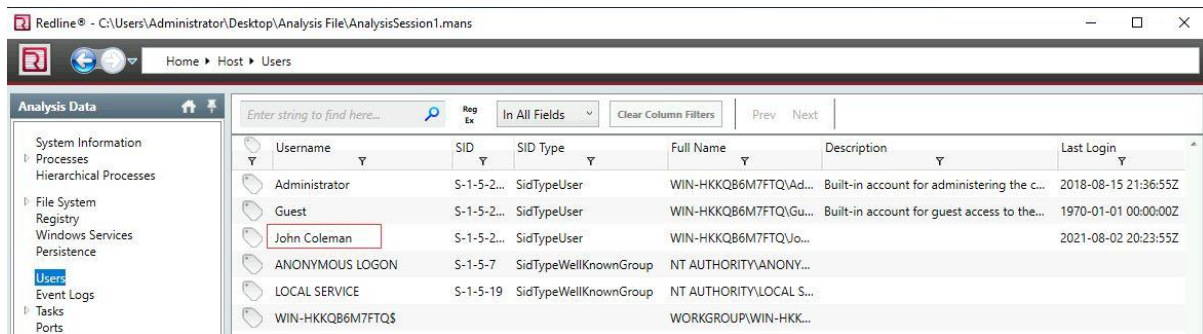
What are some three names associated with the malware which infected this host? (enter the names in alphabetical order)

Correct
Answer

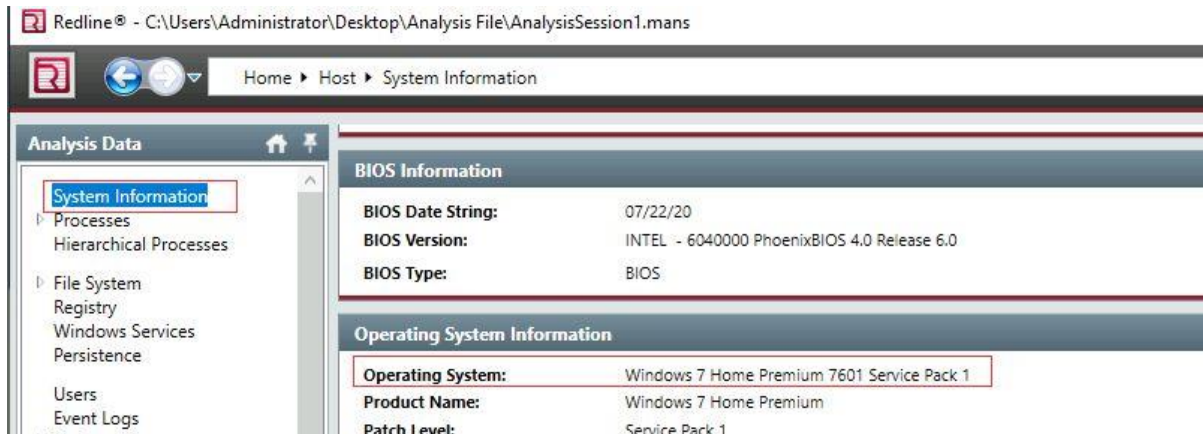
 Hint

Answers-

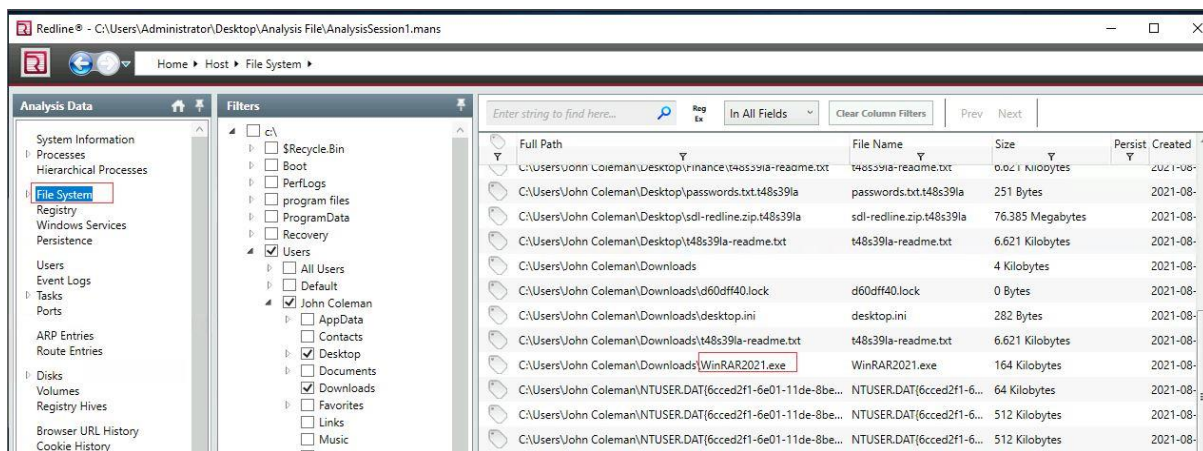
- 1) Navigate to users



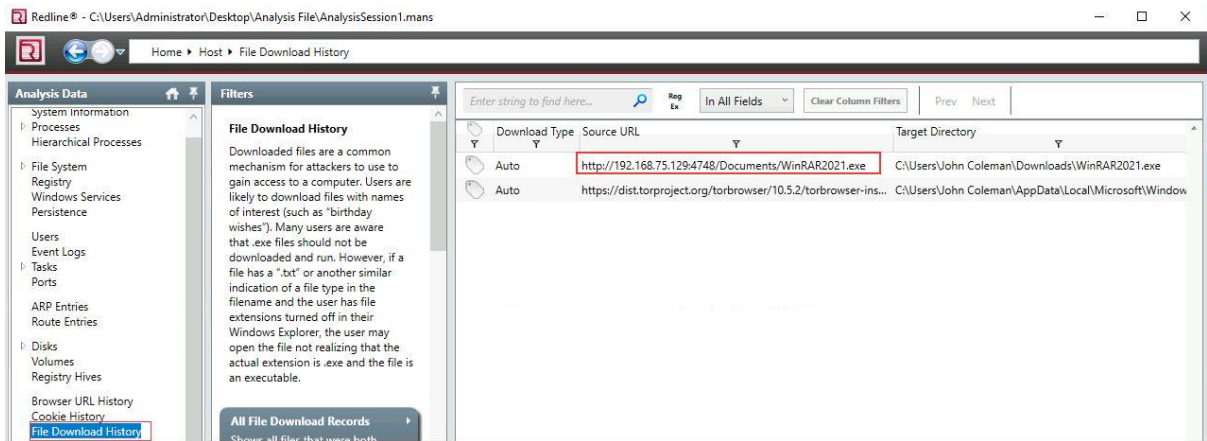
2) Navigate to System Information



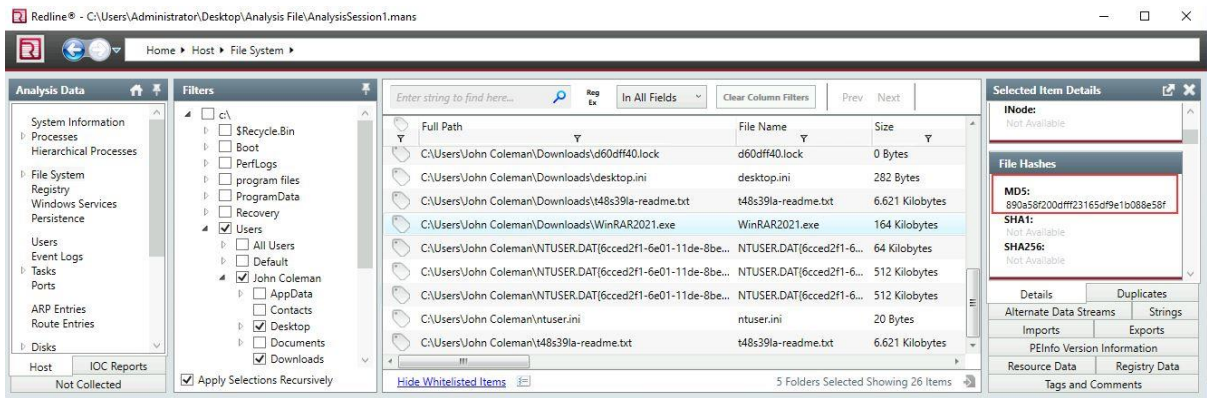
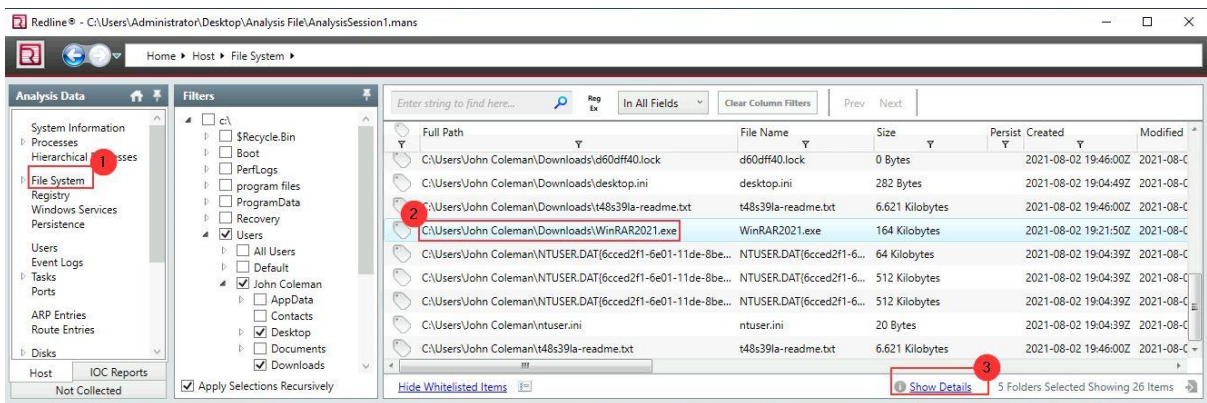
3) Navigate to File System



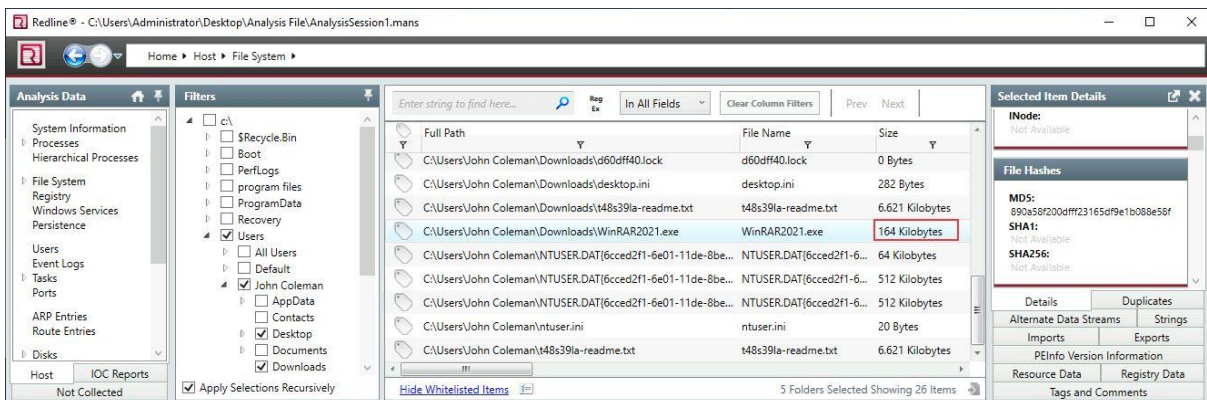
4) Navigate to File Download History



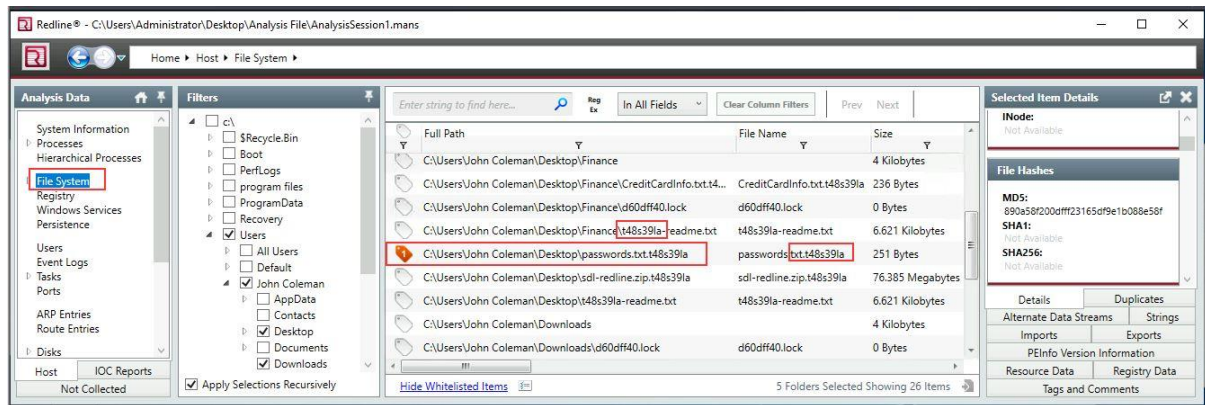
5) Navigate to File System



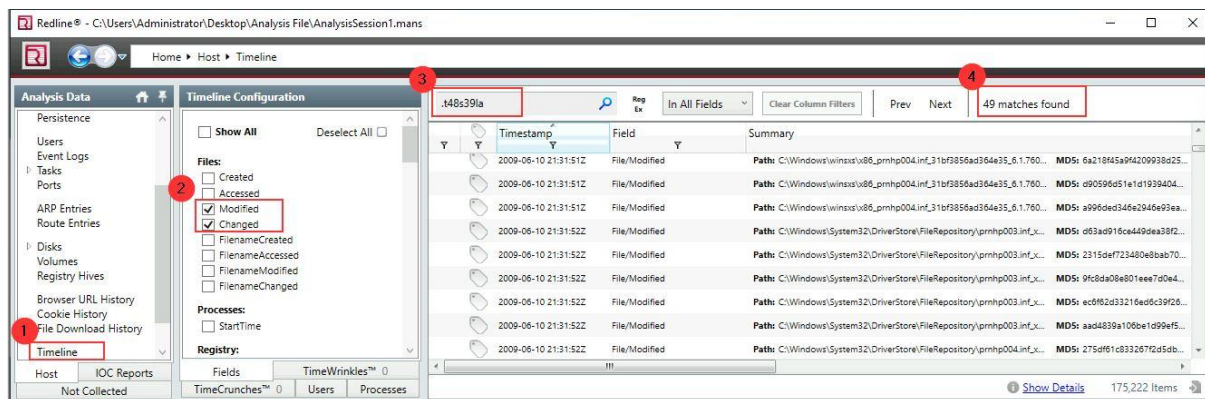
6) Navigate to File System



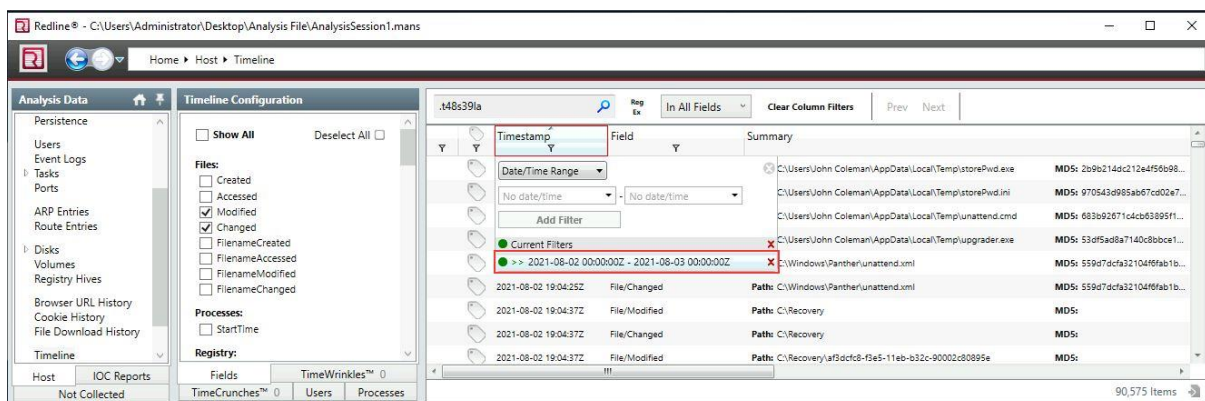
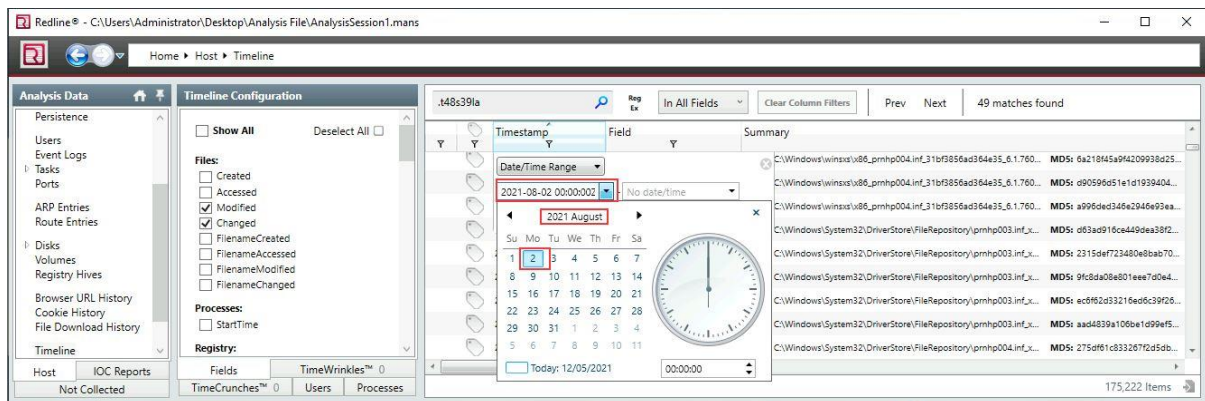
7) Navigate to File System



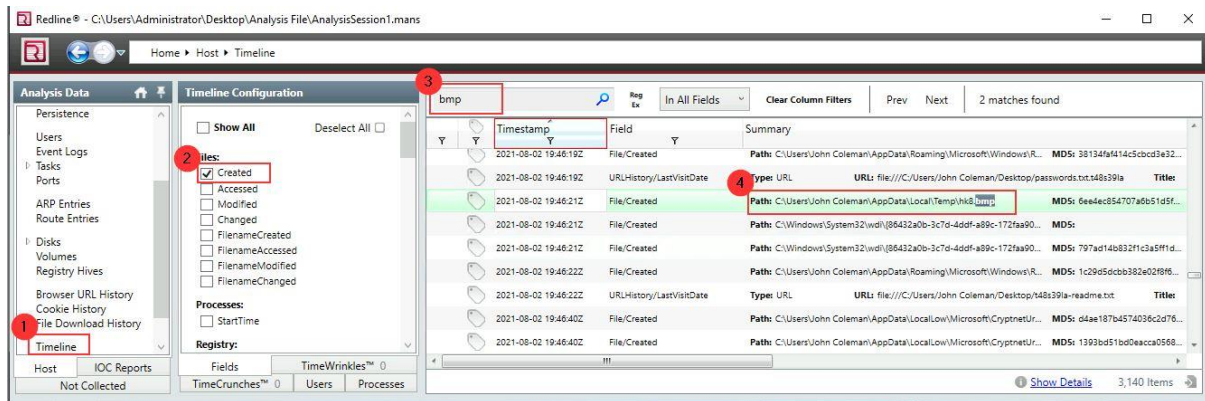
8) Navigate to Timeline and select Timeline Configuration -> File -> modified and changed



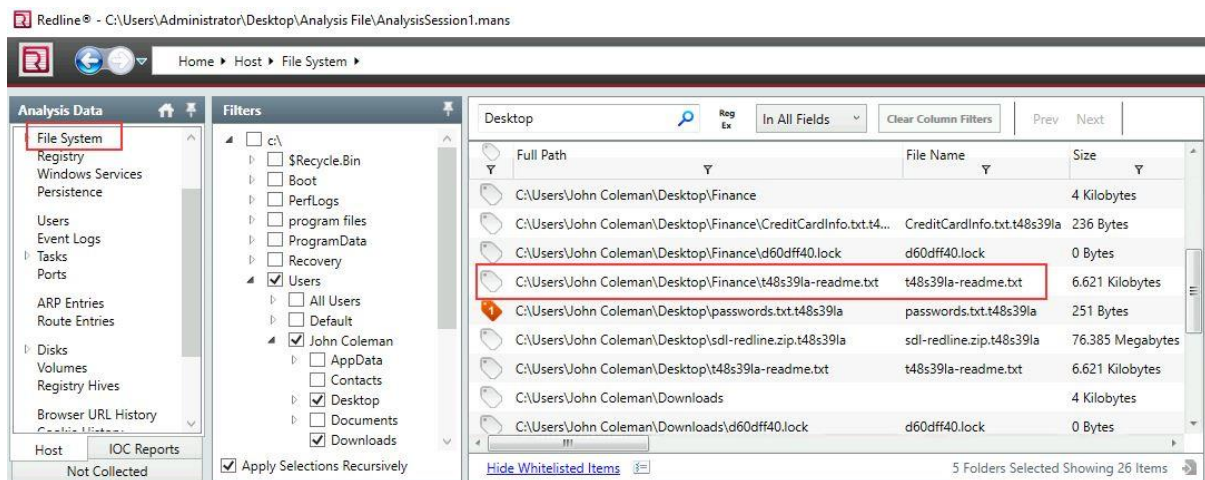
9) Navigate to Timeline – 2nd August 2021 to 3rd August 2021



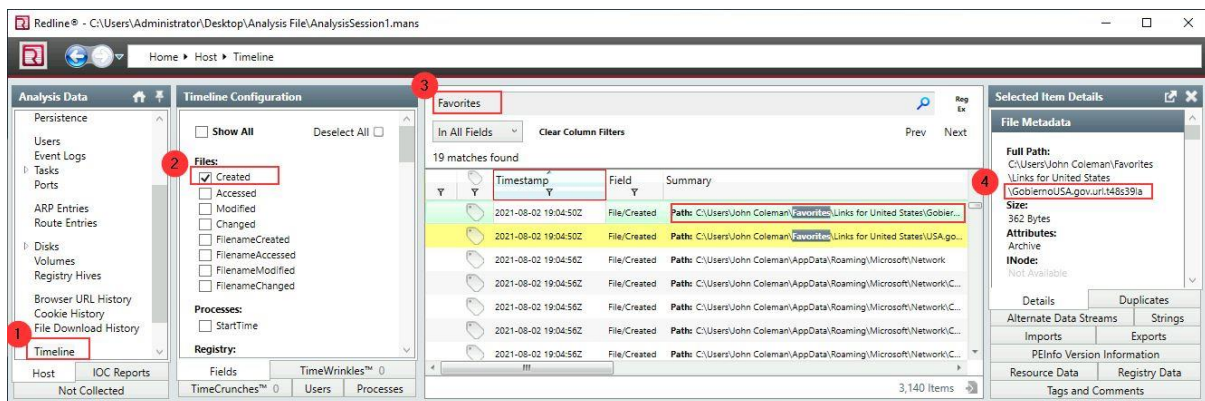
And select TimeLine Configuration -> File -> created, search for bmp extension



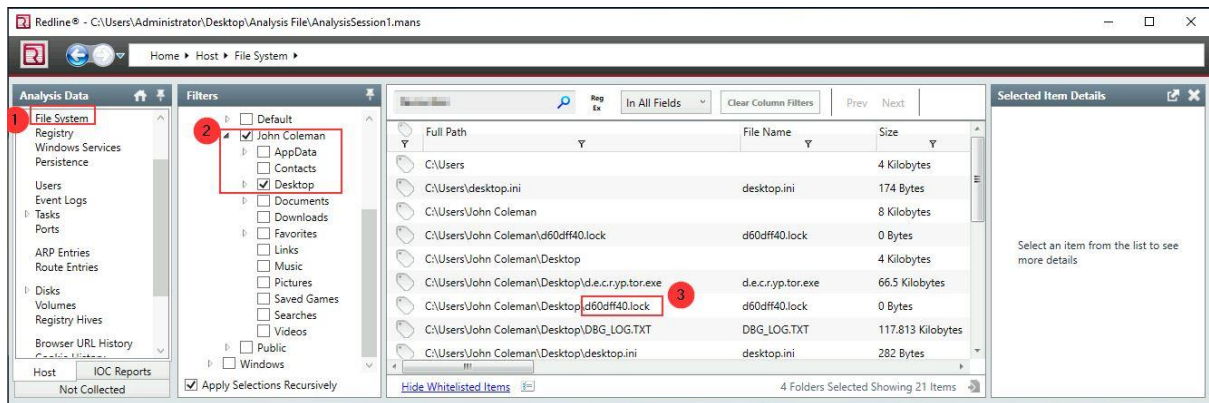
10) Navigate to File System



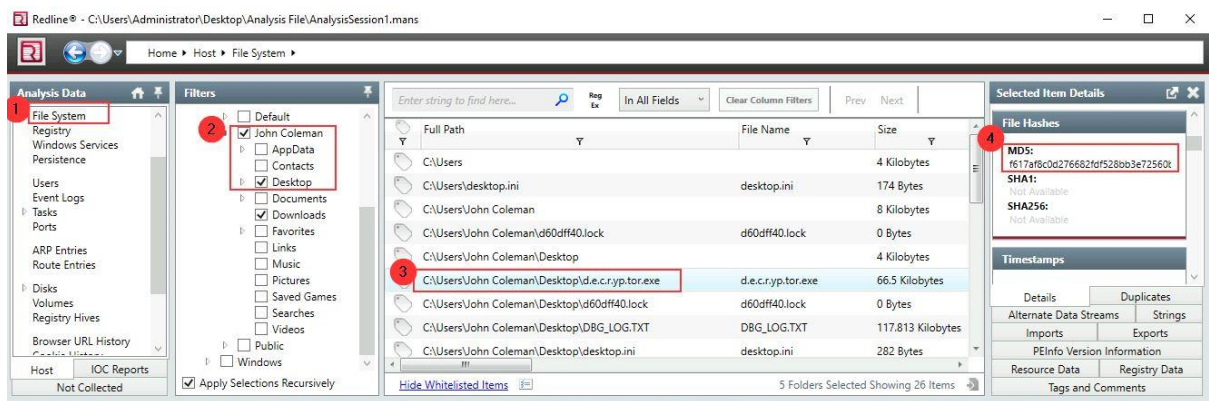
11) Navigate to Timeline and select Timeline Configuration -> File -> created, search for Favorites



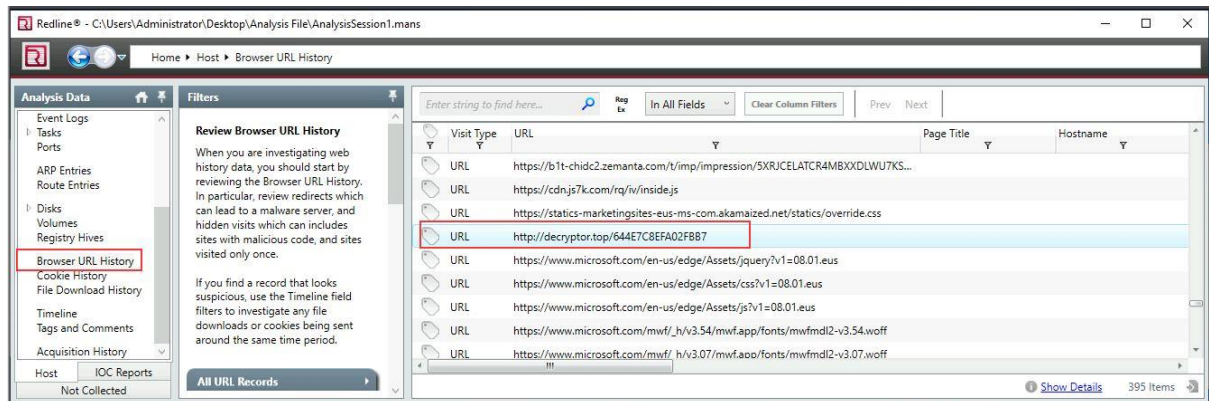
12) Navigate to File System, select users -> john coleman -> Desktop



13) Navigate to File System and select john coleman -> d.e.c.r.y.p.t.o.r.exe to look for MD5 hash



14) Navigate to Browser URL History and look decryptor in url



15) Copy this malware hash – 890a58200dfff23165df9e1b088e58f and check in <https://cybersecurity.att.com/open-threat-exchange>

To look for related tags for this malware

Search results for **alienvault** (1 result)

About 6,02,000 results (0.51 seconds)

<https://cybersecurity.att.com> : Traf/mo (us): 2400/27.20K - Kw (us): 56/4962

AlienVault is now AT&T Cybersecurity ✓

At AT&T Cybersecurity our mission is to provide phenomenal threat intelligence, collaborative defense & effective security for organizations of all sizes.

MOZ DA: 90/100 (-1%) Ref Dom: 8.19K Ref Links: 3.49M Spam Score: 1%

AlienVault OSSIM

AlienVault OSSIM (Open Source SIEM) is the world's most widely ...

2 Open Threat Exchange (OTX)

Powered by the AlienVault Agent, based on osquery, OTX ...

AlienVault threat intelligence

AlienVault Labs Threat Intelligence drives the USM platform's threat ...

That is all for this Write-up, hoping this will help you in solving the challenges of REvil Corp. Have Fun and Enjoy Hacking!

Do visit other rooms and modules on TryHackMe for more learning.

-by Shefali Kumai