Maria Valencia

Csc 153

Lab 13

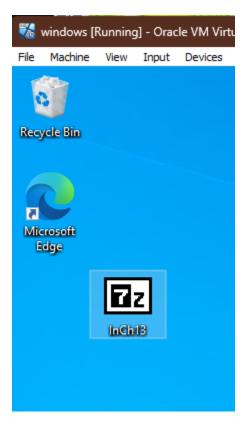
Cloud Forensics

Task 1 - Windows Prefetch Artifacts

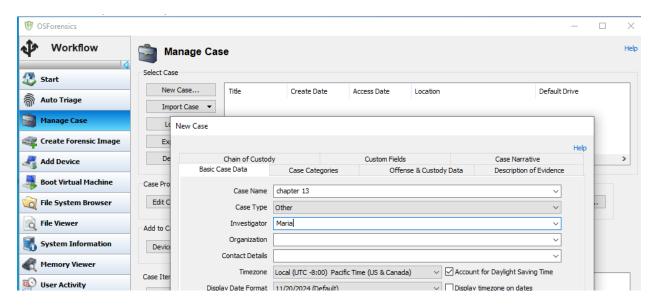
In this task you will find an application's MAC dates and counter using OSF or ensics and WinHex Data Interpreter in your Windows VM.

Step 1: Setup Case

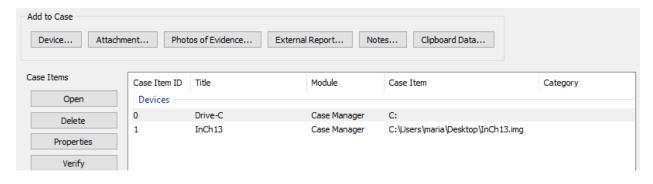
From your Windows VM, download the "InCh13.exe" to the machine. Run the EXE to extract the InCh13.img file.



Start OSForensics and create a new case named "chapter13" with your name as the investigator.

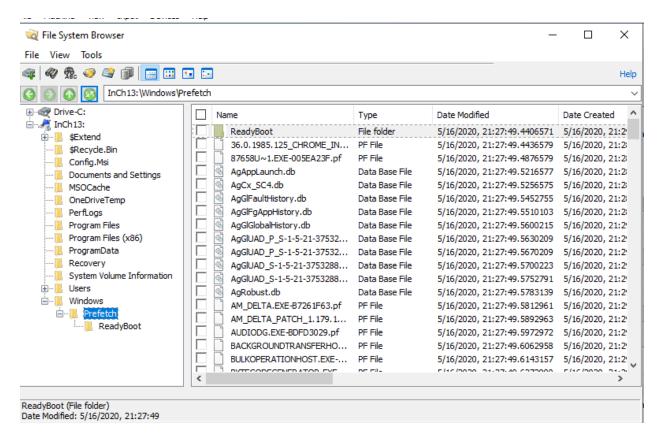


Add the "InCh13.img" as a device to the case using the "Device..." button. Select "Image File" and choose the path to your "InCh13.img" file.

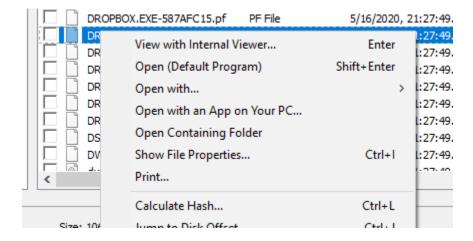


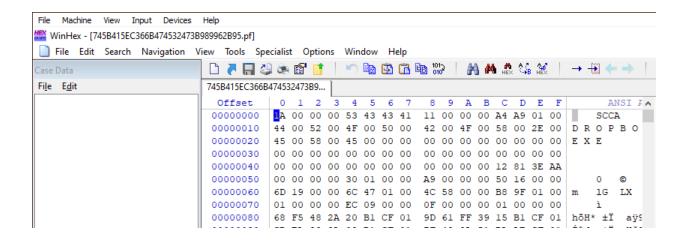
Step 2: Identify Target Prefetch File

With the image added to the case, select the "File System Browser" on the left navigation pane. Expand the navigation pane and select Windows/Prefetch folder.



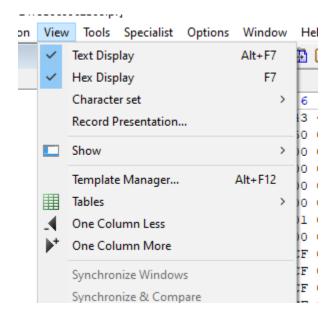
Scroll through the listings and find the "DROPBOX.EXE-AA3E8112.pf" file. Right click the file and choose "Open with..." and find the WinHex application (C:\Program Files\WinHex\winhex.exe".



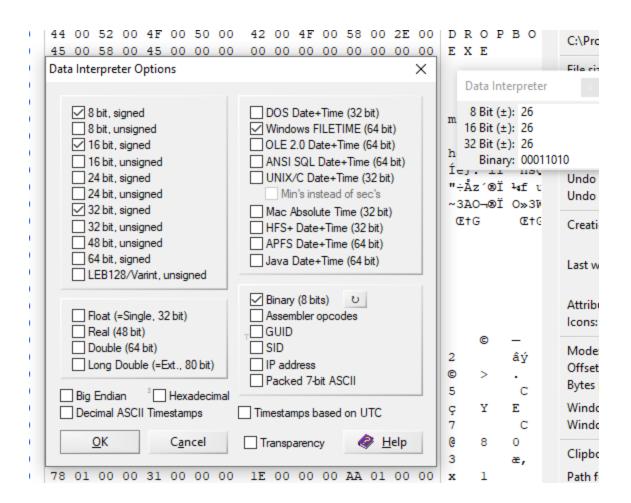


Step 3: Analyze Prefetch File

Ensure the Data Interpreter window is shown by going to View, Show, and check the Data Interpreter option.



Display the Windows Timestamp field in the Data Interpreter window by selecting Options, Data Interpreter, checking "Windows FILETIME (64 bit)" and pressing OK.

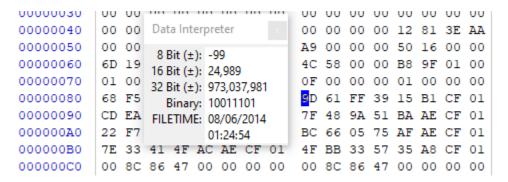


	Data Inter	preter	۲۱7E ۲						
	8 Bit (±):	26	а						
n i	16 Bit (±):	26							
	32 Bit (±):	26	t						
	Binary:	00011010	- 1						
	FILETIME:	03/11/16503	e						
		13:39:26	re						
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Go to Offset 0x80 and document the most recent runtime.

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																		2 Bit (±):	709,424,488	LLuit
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Go to Offset 0x88 and document the modification date.



Go to offset 0xD0 and document the counter in DECIMAL format.

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```
000000A0 22 F7 C5 7A B4 AE CF 01 BC 66 05 75 AF AE CF 01
000000B0 7E 33 41 4F AC Data Interpreter
                                    3 57 35 A8 CF 01
000000C0 00 8C 86 47 00
                                    6 47 00 00 00 00
000000D0 0B 00 00 00 05 8 Bit (±): 11
                                    0 00 00 00 00 00
000000E0 00 00 00 00 16 Bit (±): 11
                                    0 00 00 00 00 00
000000F0 00 00 00 00 32 Bit (±): 11
                      Binary: 00001011
00000100 00 00 00 00 00
                                    0 00 00 00 00 00
                     FILETIME: 01/01/1601 D 00 00 00 00 00
00000110 00 00 00 00 00
```