

Conducting Forensic Investigations on Windows Systems (4e)

Digital Forensics, Investigation, and Response, Fourth Edition - Lab 05

Student:

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Time on Task:

2 hours, 8 minutes

Progress:

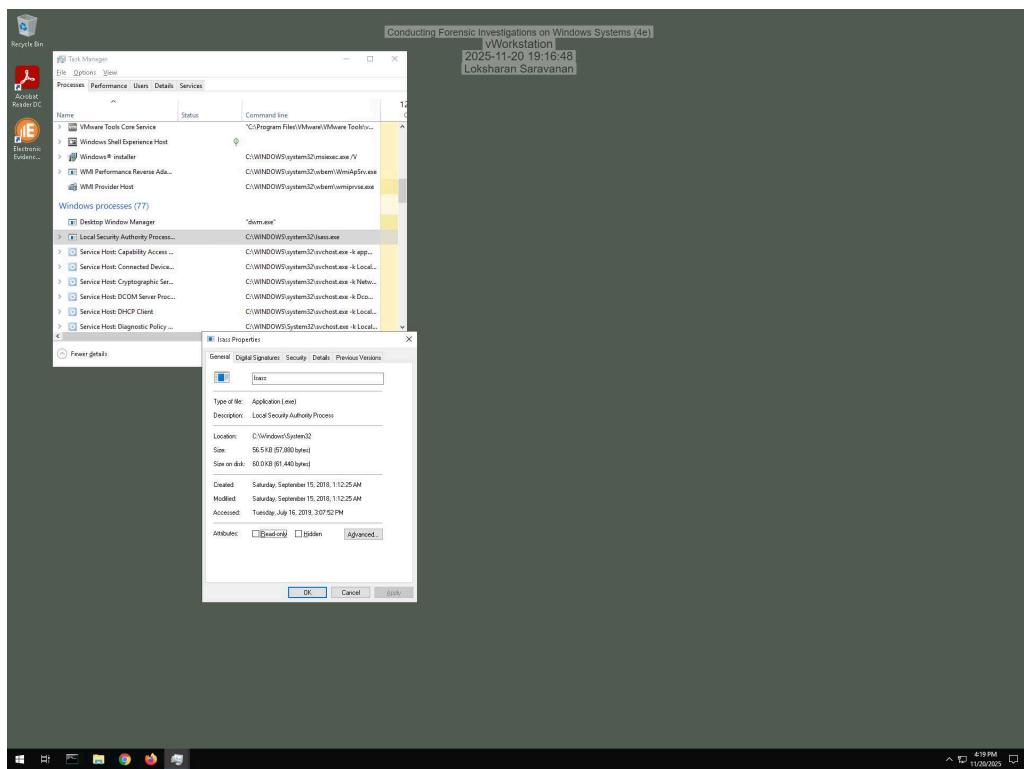
100%

Report Generated: Friday, November 21, 2025 at 2:04 AM

Section 1: Hands-On Demonstration

Part 1: Gather Basic System Information

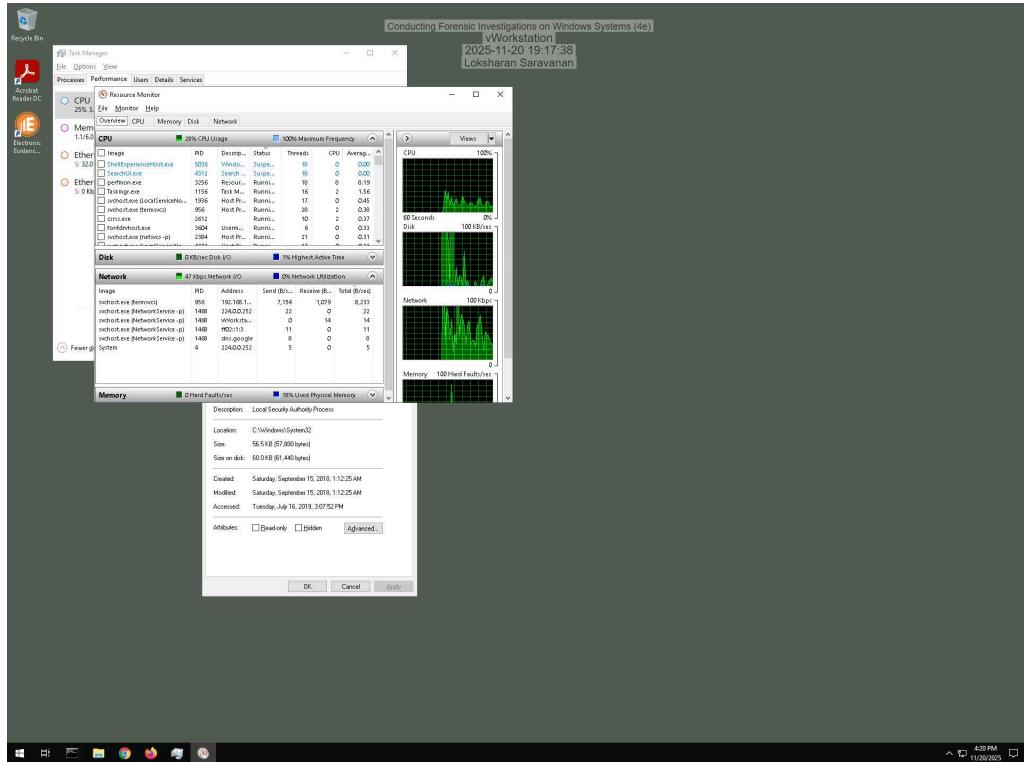
4. Make a screen capture showing the Properties window for the process you selected.



Conducting Forensic Investigations on Windows Systems (4e)

Digital Forensics, Investigation, and Response, Fourth Edition - Lab 05

10. Make a screen capture showing the Listening Ports list.



14. Make a screen capture showing the information about the C: drive.

The screenshot shows an 'Administrator Command Prompt' window running on a Windows system. The command entered is 'fsinfo ntfsInfo C:'. The output displays detailed information about the C: drive, including its NTFS Volume Serial Number (0x0f14c6742d0dfa), LFS Version (2.0), Number Sectors (0x00000000001507ff), and other disk parameters. The desktop background is dark grey.

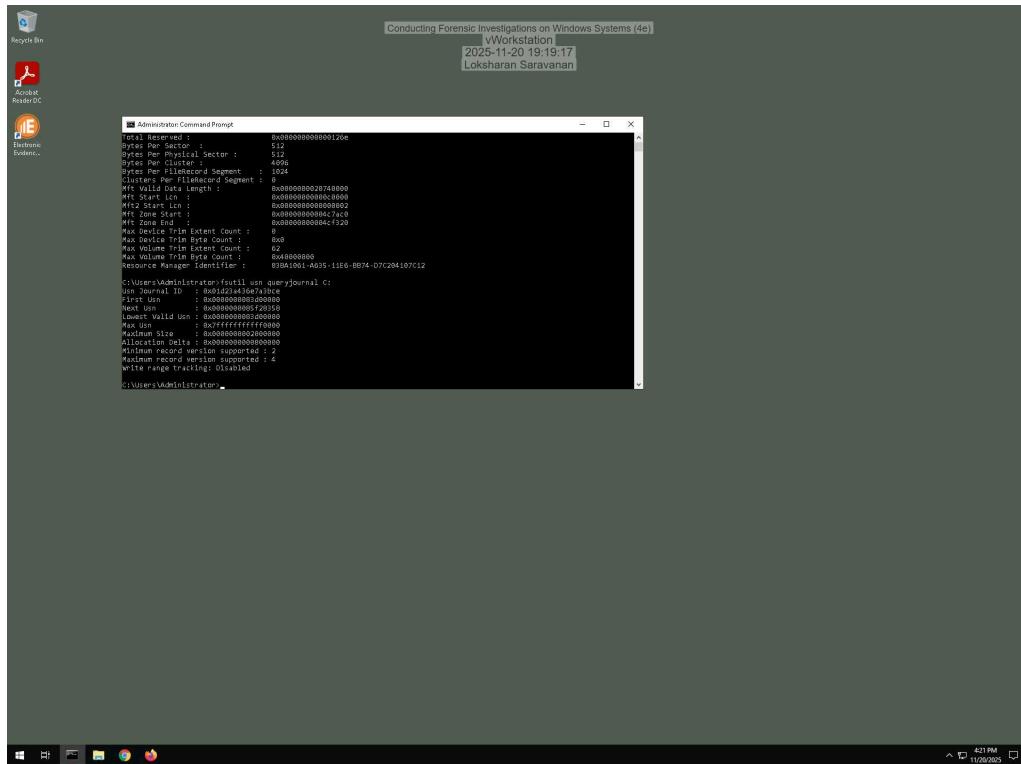
```
C:\Users\Administrator>fsinfo ntfsInfo C:
Volume C: is not a local volume or partition on an internal or external command,
or unable program or batch file.

C:\Users\Administrator>ntfsinfo C:
NTFS Volume Serial Number : 0x0f14c6742d0dfa
MFT MFT Mirrored : No
LFS Version : 2.0
Number Sectors : 0x00000000001507ff
Total Sectors : 0x000000000000235ff
Free Clusters : 0x000000000002ec2dc
Total Reserved : 0x000000000000001256
First Bad Sector : 0x0000000000000000
Bytes Per Physical Sector : 512
Bytes Per Logical Sector : 512
Bytes Per FileRecord Segment : 1624
Cluster Per FileRecord Segment : 1624
MFT MFT Mirrored : No
Mft Start Icn : 0x000000000000740000
Mft End Icn : 0x000000000000800000
Mft Zone Start : 0x000000000000740000
Mft Zone End : 0x00000000000084cf320
Max Device Trim Extent Count : 0x00
Max Device Trim Byte Count : 0x00
Max Volume Trim Extent Count : 0x00
Max Volume Trim Byte Count : 0x0000000000
Resource Manager Identifier : 010A1001-A635-11E6-8074-0264107c12
```

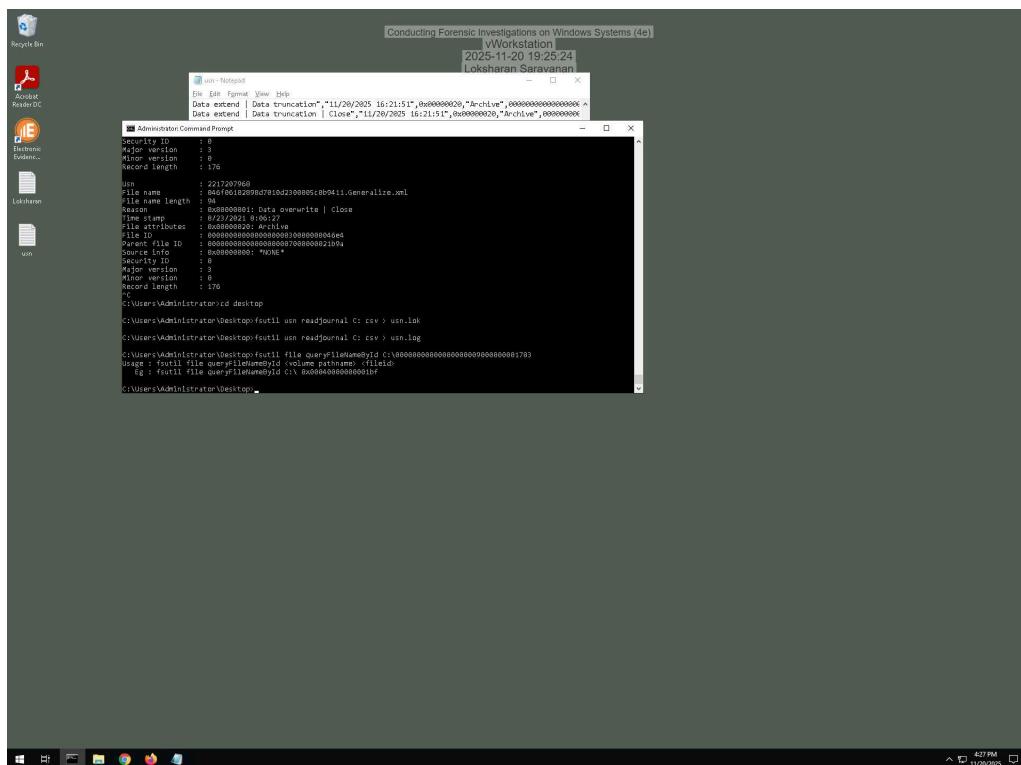
Conducting Forensic Investigations on Windows Systems (4e)

Digital Forensics, Investigation, and Response, Fourth Edition - Lab 05

16. **Make a screen capture** showing the information about the vWorkstation's usn journal.



26. Make a screen capture showing the file path for the `yourname.txt` file.

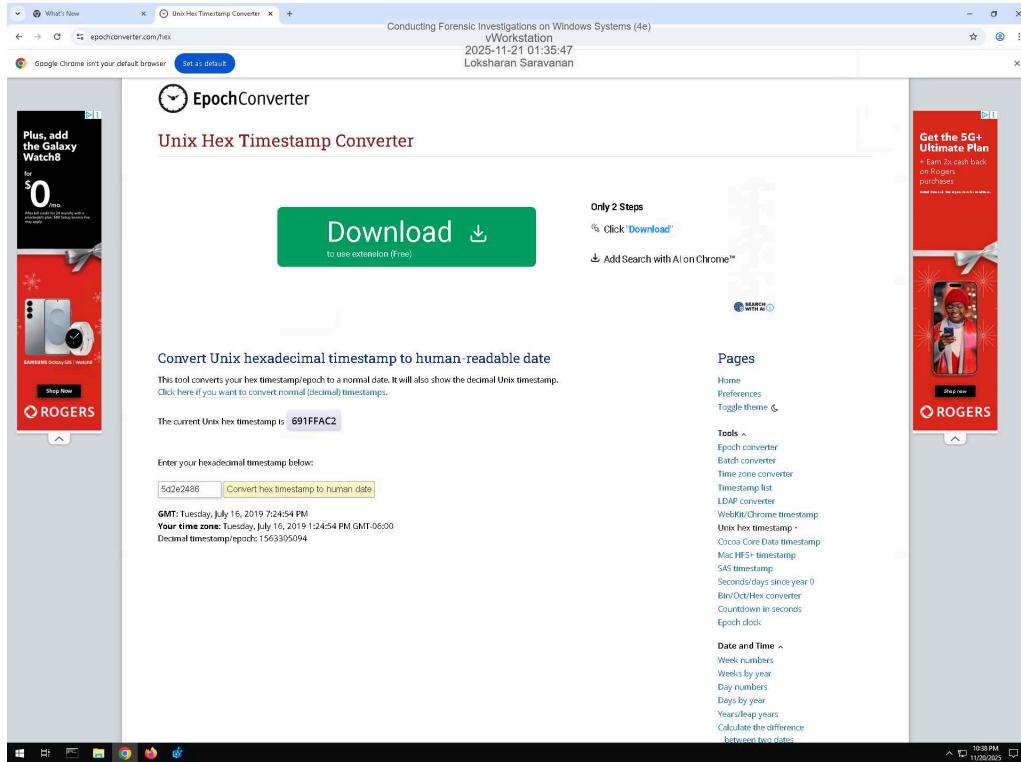


Conducting Forensic Investigations on Windows Systems (4e)

Digital Forensics, Investigation, and Response, Fourth Edition - Lab 05

Part 2: Explore the Registry

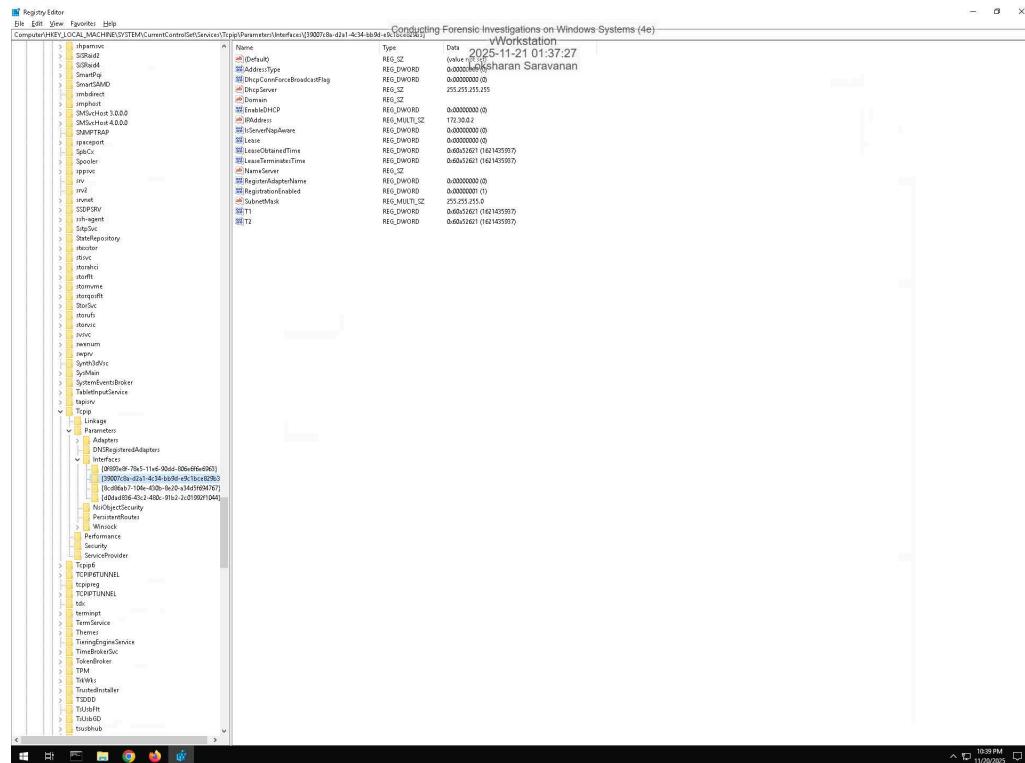
10. Make a screen capture showing the vWorkstation Windows installation timestamp in a human-friendly format.



Conducting Forensic Investigations on Windows Systems (4e)

Digital Forensics, Investigation, and Response, Fourth Edition - Lab 05

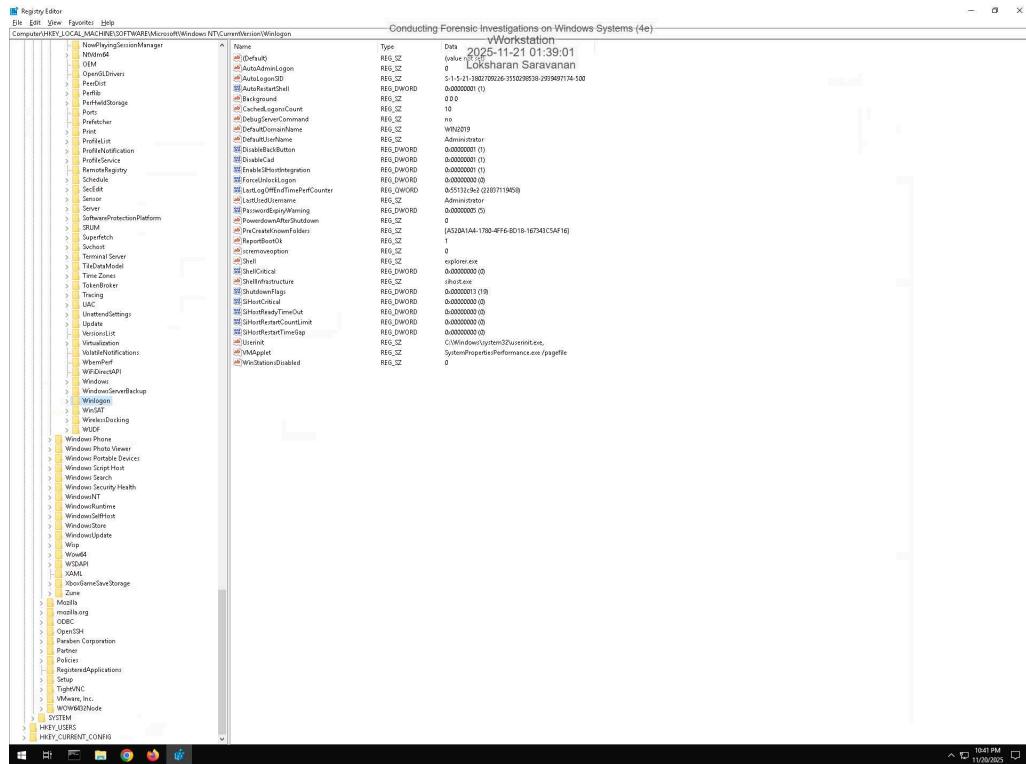
13. **Make a screen capture** showing the key values for the vWorkstation's default network interface.



Conducting Forensic Investigations on Windows Systems (4e)

Digital Forensics, Investigation, and Response, Fourth Edition - Lab 05

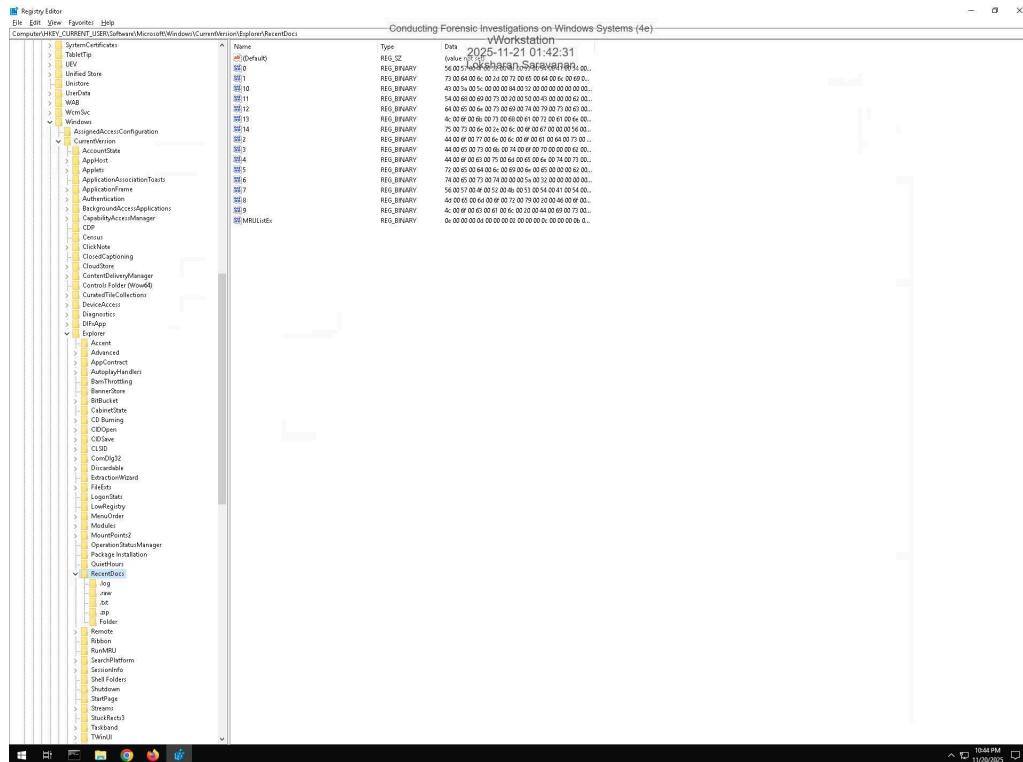
15. Make a screen capture showing the Winlogon key values.



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Digital Forensics, Investigation, and Response, Fourth Edition - Lab 05

20. Make a screen capture showing the RecentDocs key values.



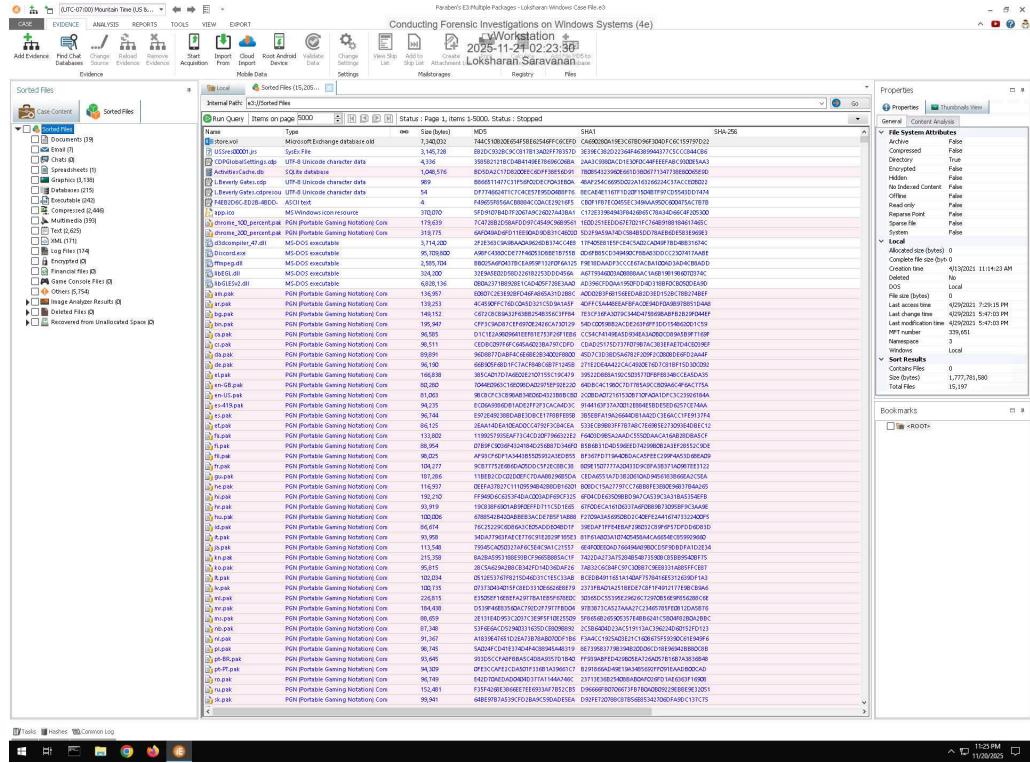
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Digital Forensics, Investigation, and Response, Fourth Edition - Lab 05

Section 2: Applied Learning

Part 1: Create and Sort a New Case File

14. Make a screen capture showing the Sorted Files.

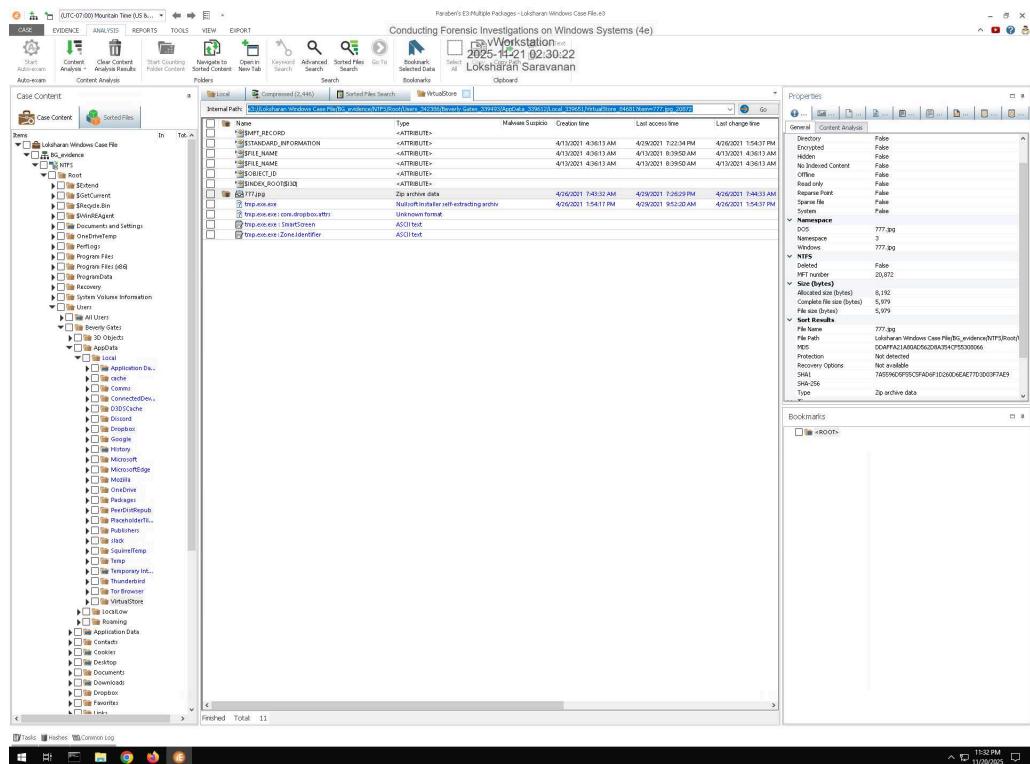


Part 2: Perform Forensic Analysis on a Windows Drive Image

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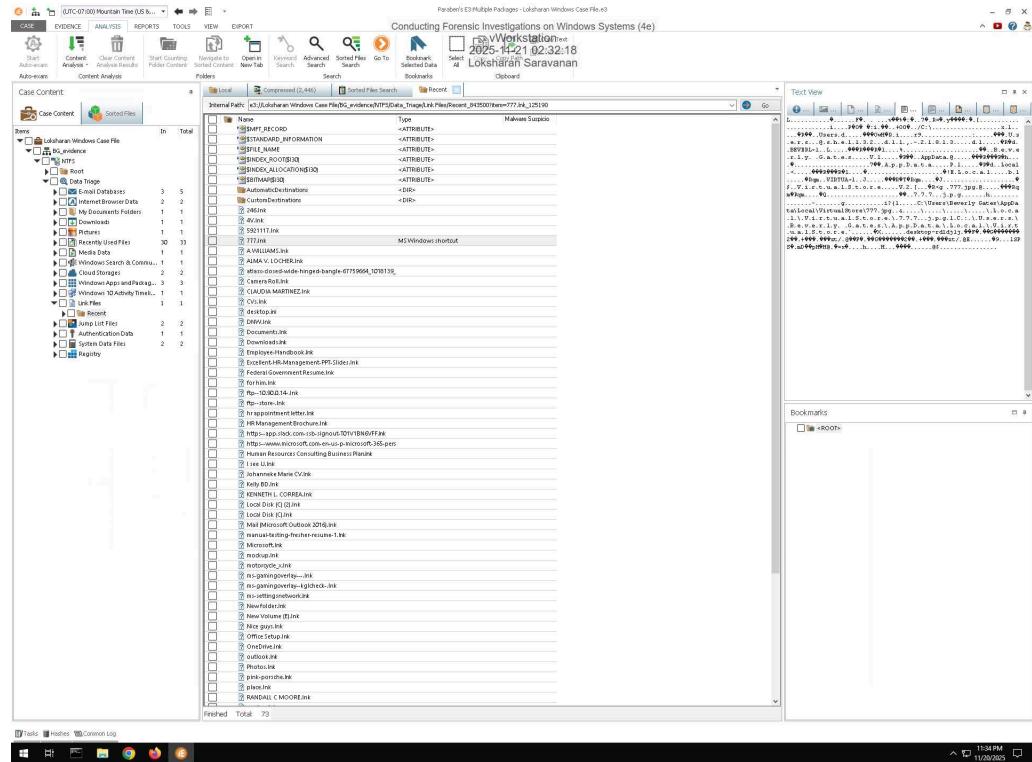
6. Make a screen capture showing the contents of the 777.jpg file in the Document View.



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Digital Forensics, Investigation, and Response, Fourth Edition - Lab 05

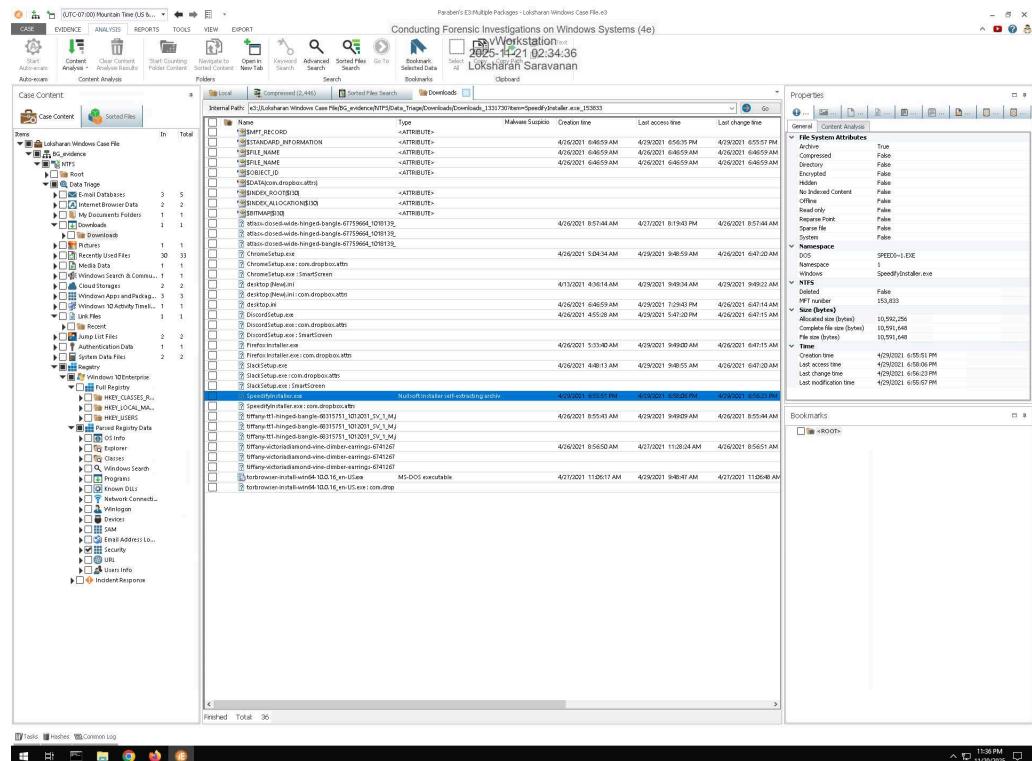
10. Make a screen capture showing the 777.Ink file contents including the path to the file in the system.



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Digital Forensics, Investigation, and Response, Fourth Edition - Lab 05

14. Make a screen capture showing the installation files for suspicious apps in the Downloads category.



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17. Make a screen capture showing the VPN application (Speedify) in the Uninstall folder.

The screenshot shows the EnCase Forensic interface. The left pane displays a tree view of案卷内容 (Case Content), including various log files and system folders like Root, HKEY_CURRENT_USER, and HKEY_LOCAL_MACHINE. The right pane shows the registry table with columns for Name, Type, and Data. A specific registry key for Speedify is highlighted in blue. The Properties panel on the right provides detailed information about this key, including its name (Speedify), number of subkeys (8), number of values (7), and creation date (2025-11-21 02:36:08). The status bar at the bottom indicates the task is finished with a total of 24 items.

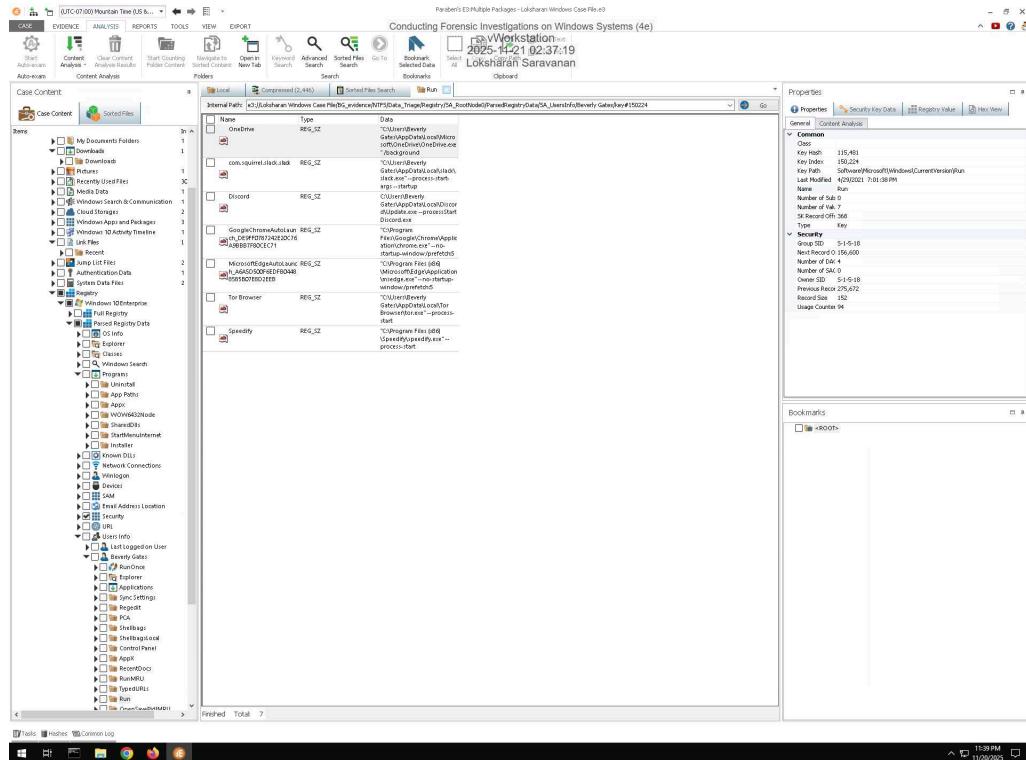
19. Make a screen capture showing the users list.

The screenshot shows the EnCase Forensic interface. The left pane displays a tree view of案卷内容 (Case Content), including various log files and system folders like Root, HKEY_CURRENT_USER, and HKEY_LOCAL_MACHINE. The right pane shows the registry table with columns for Name, Type, and Data. A specific registry key for Speedify is highlighted in blue. The Properties panel on the right provides detailed information about this key, including its name (Speedify), number of subkeys (8), number of values (7), and creation date (2025-11-21 02:36:08). The status bar at the bottom indicates the task is finished with a total of 24 items.

Conducting Forensic Investigations on Windows Systems (4e)

Digital Forensics, Investigation, and Response, Fourth Edition - Lab 05

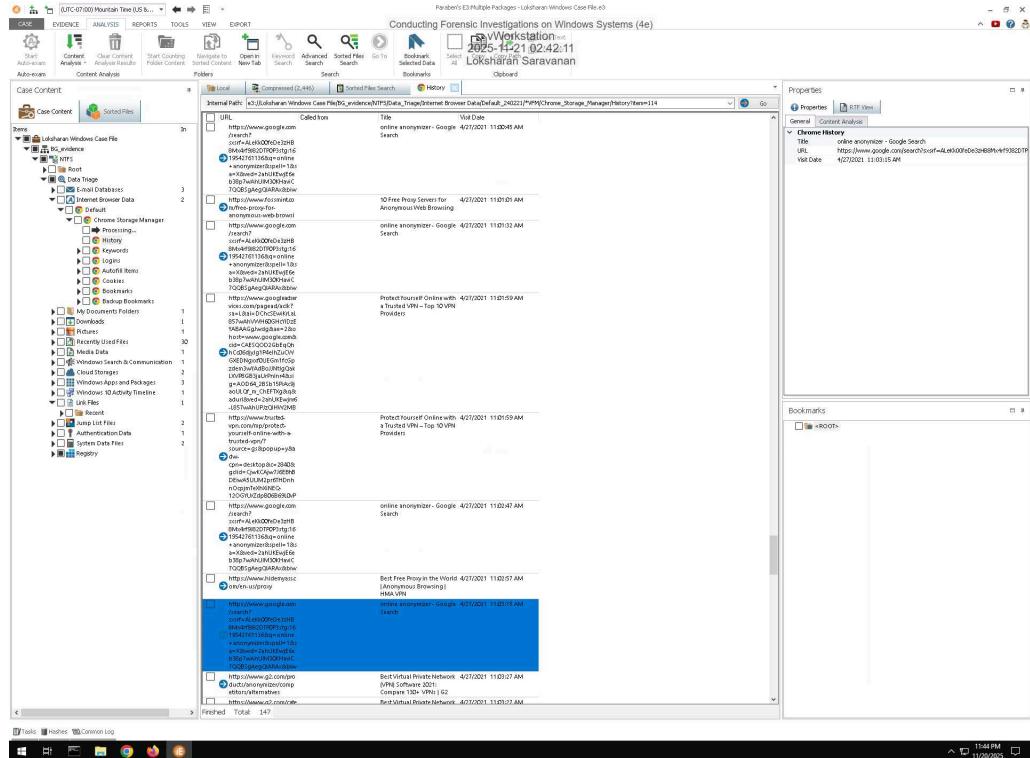
21. Make a screen capture showing the contents of the Beverly Gates / Run folder.



Conducting Forensic Investigations on Windows Systems (4e)

Digital Forensics, Investigation, and Response, Fourth Edition - Lab 05

24. Make a screen capture showing at least one suspicious browsing record found in the History sub-node.



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Digital Forensics, Investigation, and Response, Fourth Edition - Lab 05

26. Make a screen capture showing at least one suspicious search found in the Keywords sub-node.

The screenshot shows the EnCase Forensic interface with the title bar "Conducting Forensic Investigations on Windows Systems (4e)". The main window displays a search result for the keyword "how to stay anonymous". The results are listed in a table with columns: Term, Action URL, Search Engine, Host Name, Encoding, and Created Time. One result is highlighted in blue, showing the URL https://www.google.com/search?q=how+to+stay+anonymous&rlz=1C1GCEU_enUS804US804, the search engine "Google", and the host name "www.google.com". The timestamp for this result is 2020-12-21 02:42:43. The interface also includes a sidebar for "Case Content" and a "Keywords" search bar at the top.

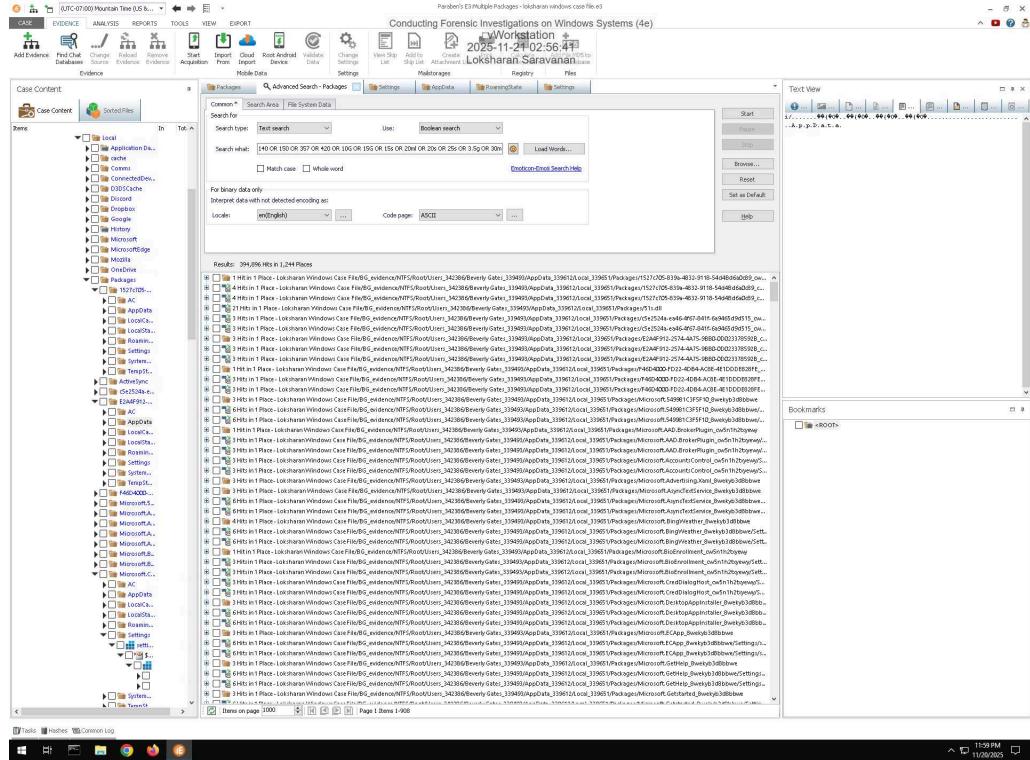
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Digital Forensics, Investigation, and Response, Fourth Edition - Lab 05

Section 3: Challenge and Analysis

Part 1: Use Advanced Search to Locate Additional Evidence

Make a screen capture showing the contents of the suspicious file in the Document View.



Part 2: Identify Suspicious Browser Activity

Conducting Forensic Investigations on Windows Systems (4e)

Digital Forensics, Investigation, and Response, Fourth Edition - Lab 05

Make a screen capture showing at least one registry key with information associated with Tor and Firefox.

