Conducting Forensic Investigations on Linux Systems (4e)

Digital Forensics, Investigation, and Response, Fourth Edition - Lab 06

Student: Email:
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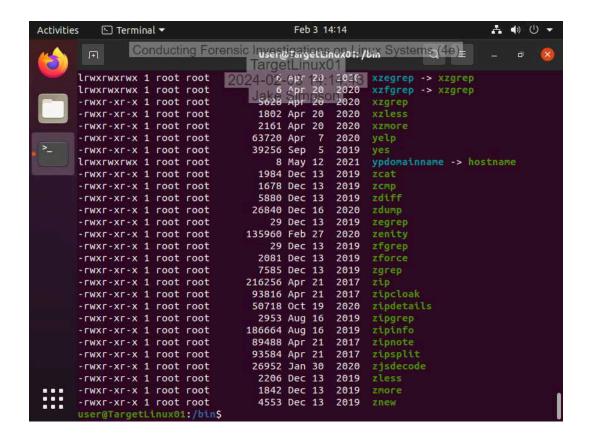
Time on Task: Progress:
1 hour, 12 minutes 100%

Report Generated: Saturday, February 3, 2024 at 3:30 PM

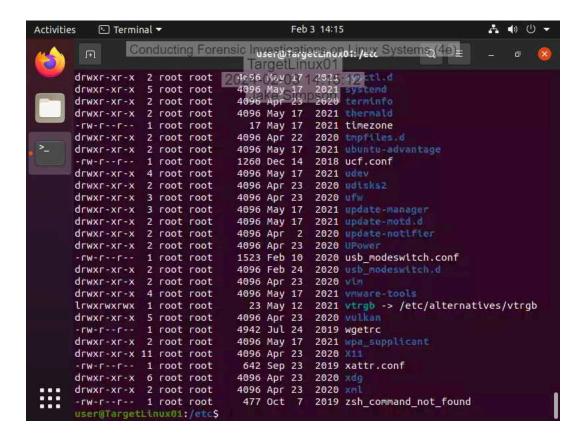
Section 1: Hands-On Demonstration

Part 1: Explore a Live Linux System

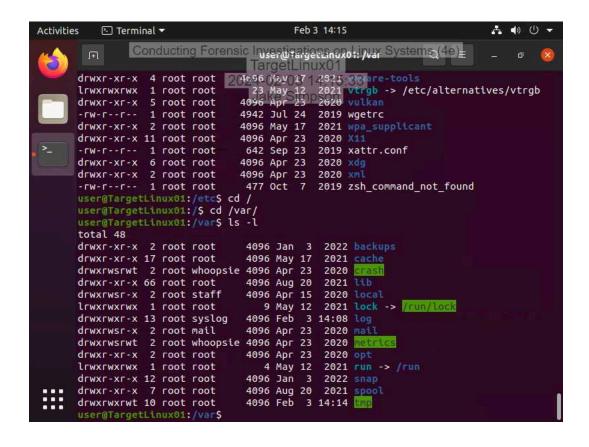
17. Make a screen capture showing the contents of the /bin directory.



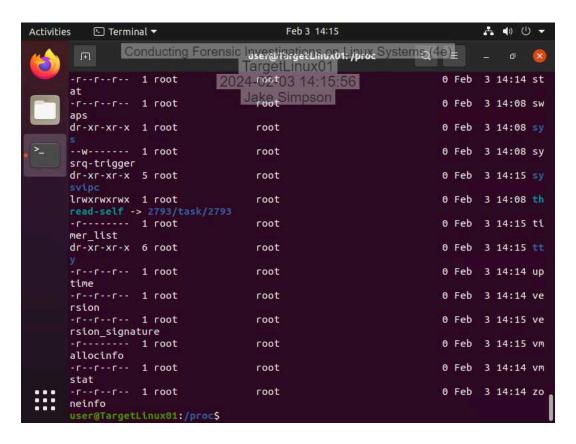
20. Make a screen capture showing the contents of the letc directory.



21. Make a screen capture showing the contents of the /var directory.

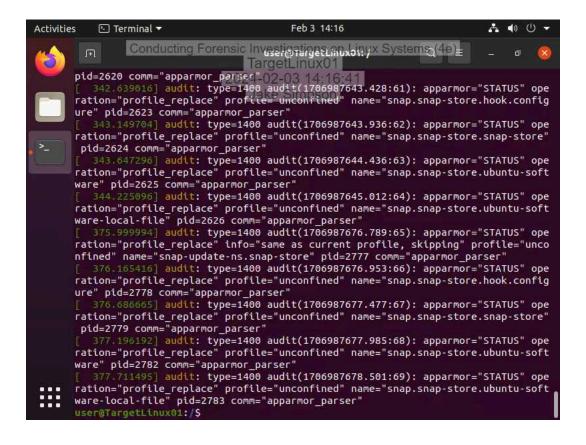


22. Make a screen capture showing the contents of the /proc directory.

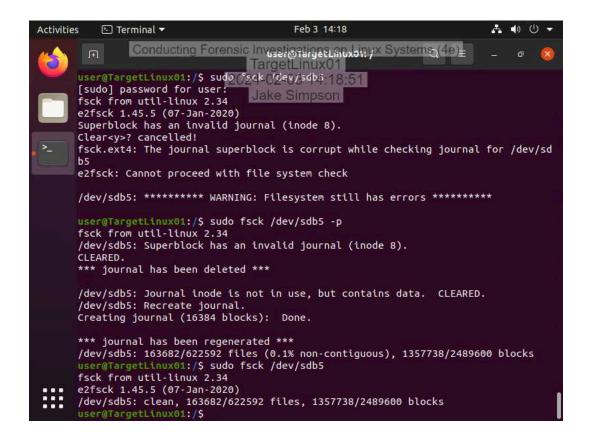


Part 2: Use Linux Shell Commands for Forensic Investigations

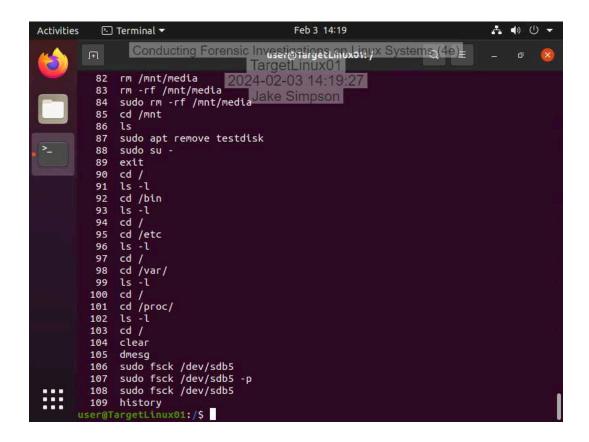
2. Make a screen capture showing the results of the dmesg command.



7. Make a screen capture showing the results of the fsck command.



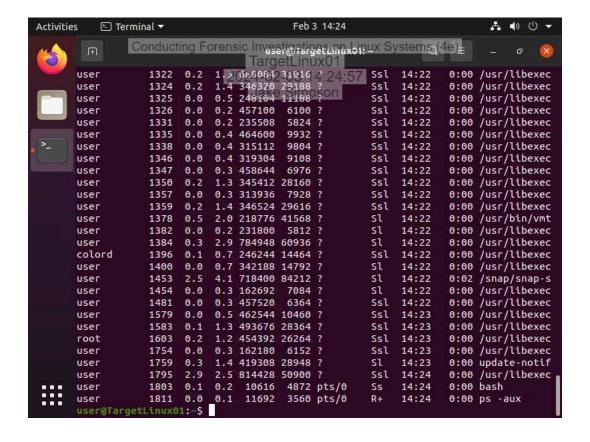
9. Make a screen capture showing the results of the history command.



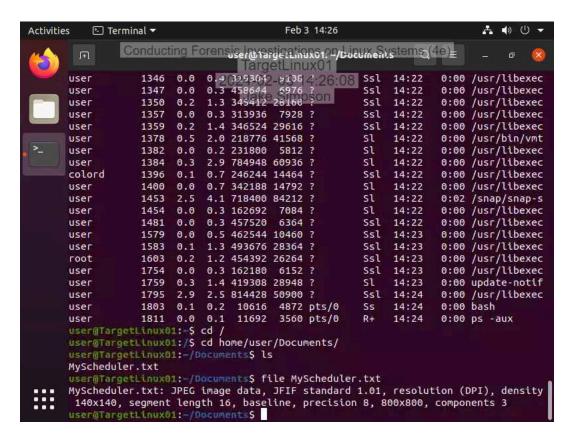
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11. Make a screen capture showing the running processes.

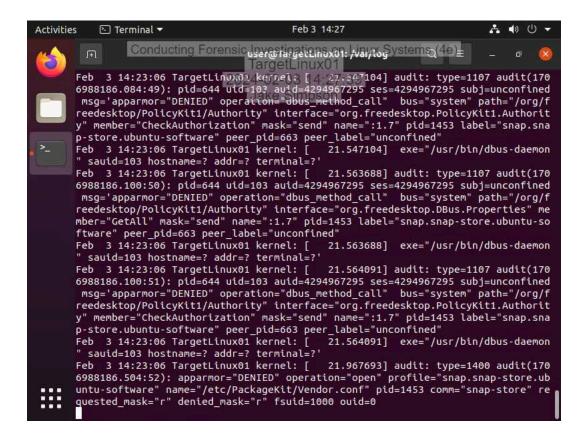


15. Make a screen capture showing the results of the file command.

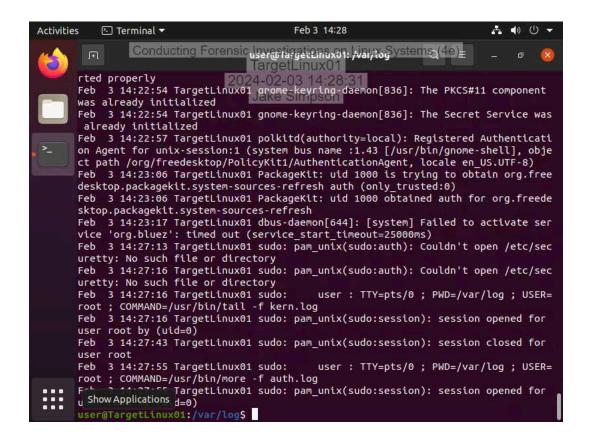


Part 3: Retrieve Logs Files on a Live Linux System

4. Make a screen capture showing the records in the kern.log file.



7. Make a screen capture showing the records in the auth.log file.



Section 2: Applied Learning

Part 1: Identify Login Attempts on a Linux Drive Image

15. **Document** the names of the two non-root users that attempted to log in, the number of attempts detected, the date/time range of the attempts, the source IP address for the login attempts, and the port.

12 Attempts from user: noel, date: Jun 11 00:57:14 -00:57:35 & 05:06:34-05:06:51, Source IP: 192.168.78.1, Port: 14444 & 3521

5 attempts from user: dominic, date: Jun 11 05:07:57-05:39:01 , Source IP: 192.168.78.1, Port: 4663 & 3417

17. **Document** the date and time the most recent successful login for the user(s) that you previously identified in step 15.

I got 0 results for Noel and 18 for Dominic, his most recent was: Jun 11 05:23:03

Part 2: Identify Software Installations on a Linux Drive Image

3. **Document** the applications that were installed using apt-get, then use the Internet to identify the ones that might be considered suspicious.

logkeys, utotools-dev, build essential, kbd, cacti, openssh-server

Part 3: Identify External Drive Attachments on a Linux Drive Image

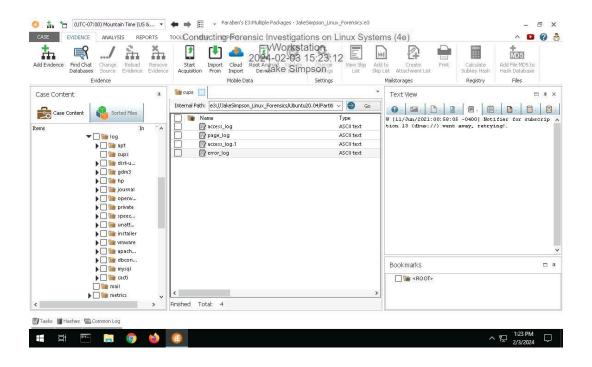
4. **Document** when the USB storage device was connected and its serial number.

Jun 10 10:24:12 and 504B4E4B3234303641

Section 3: Challenge and Analysis

Part 1: Identify Recently Printed Files on a Linux Drive Image

Make a screen capture showing the contents of the printer log file.



Part 2: Identify Disk Imaging on a Linux Drive Image

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Make a screen capture showing the record of the dd command in the Text View.

