OPEN SOURCE PROJECT

CA - 3

[redacted]

TOPIC

Use any open source software to generate your entire system's log report of past 3 months along with this find partial and full multimedia files(video files) in DataStream.

SUBMITTED BY :-
PRATYUSH DUBEY
11912153

Table of Contents

2

1.INTRODUCTION

The primary objective of this project is to analyse the system logs and multimedia files in the DataStream folder of a Windows-based computer using open source tools. The project is aimed at ensuring that the target system is functioning optimally and all multimedia files in the DataStream folder are usable. This is an important project as it can help identify any underlying issues within the system and mitigate them before they become major problems.

1.1 Description of the project

The project involves a comprehensive analysis of the system logs generated by the target system over the past three months. Event Viewer is a powerful tool that allows users to view and manage event logs, including system, security, and application logs. Our primary goal is to identify any errors or issues that have occurred within the system during this period. Event Viewer provides a wealth of information that can help us diagnose issues and troubleshoot problems, such as application crashes, system errors, and security breaches.

To achieve this goal, we will use Event Viewer to examine the system logs and identify any errors or issues that have occurred. We will examine the system logs for any recurring patterns or issues, and we will also look for any unusual or abnormal system events that may indicate a problem. We will then document any errors or issues found in the system logs and provide recommendations for resolving them.

In addition to analyzing the system logs, we will also search for multimedia files in the DataStream folder using SearchMonkey. SearchMonkey is a powerful search tool that allows users to search for files based on their names or content. We will be searching for partial and full file names and evaluating the usability of each file. Our aim is to ensure that all multimedia files in the DataStream folder are functional and usable.

To achieve this goal, we will use SearchMonkey to identify all video files in the DataStream folder. We will examine each video file for any issues, such as playback errors, corruption, or other issues that may render the file unusable.

We will document any issues found and provide recommendations for resolving them.

1.3 SCOPE OF THE PROJECT

This project is limited in scope to analyzing the system logs generated by the target system over the past three months using Event Viewer and searching for video files in the DataStream folder using SearchMonkey. We will not be analyzing logs or files from any other sources or locations.

The target system is a Windows-based computer running on Windows 10. The system has been in use for the past three months and has generated system logs during this period. The system also has a DataStream folder that contains multimedia files, including video files.

We assume that the system has been functioning properly during the past three months and that any issues or errors found in the system logs are minor and can be resolved without affecting the overall performance of the system. However, if any major issues or errors are found, we will provide recommendations for resolving them.

The success of this project is dependent on the availability and accessibility of the system logs and the DataStream folder. If any of these files or folders are missing or inaccessible, the project may not be completed successfully. Additionally, the data set used in support of the project includes the system logs generated by the target system during the past three months and the multimedia files in the DataStream folder. We will be using these data sets to analyze the system logs and search for video files using Event Viewer and SearchMonkey, respectively.

The project is dependent on the functionality of Event Viewer and SearchMonkey. If either of these tools fail to function properly or encounter errors during the project, it may impact the ability to analyze the system logs or find the video files in the DataStream folder. Therefore, we will ensure that both tools are functioning properly before starting the analysis. In conclusion, this project is important as it can help identify any underlying issues

SYSTEM DESCRIPTION

2.1 Target System Description

The target system is a Windows-based computer running on Windows 10. The system has been in use for the past three months and has generated system logs during this period. The system also has a DataStream folder that contains multimedia files, including video files.

2.2 ASSUMPTION AND DEPENDENCIES

We assume that the system has been functioning properly during the past three months and that any issues or errors found in the system logs are minor and can be resolved without affecting the overall performance of the system. The success of this project is dependent on the availability and accessibility of the system logs and the DataStream folder. If any of these files or folders are missing or inaccessible, the project may not be completed successfully.

2.3 FUNCTIONAL /NON FUNCTIONAL DEPENDENCIES

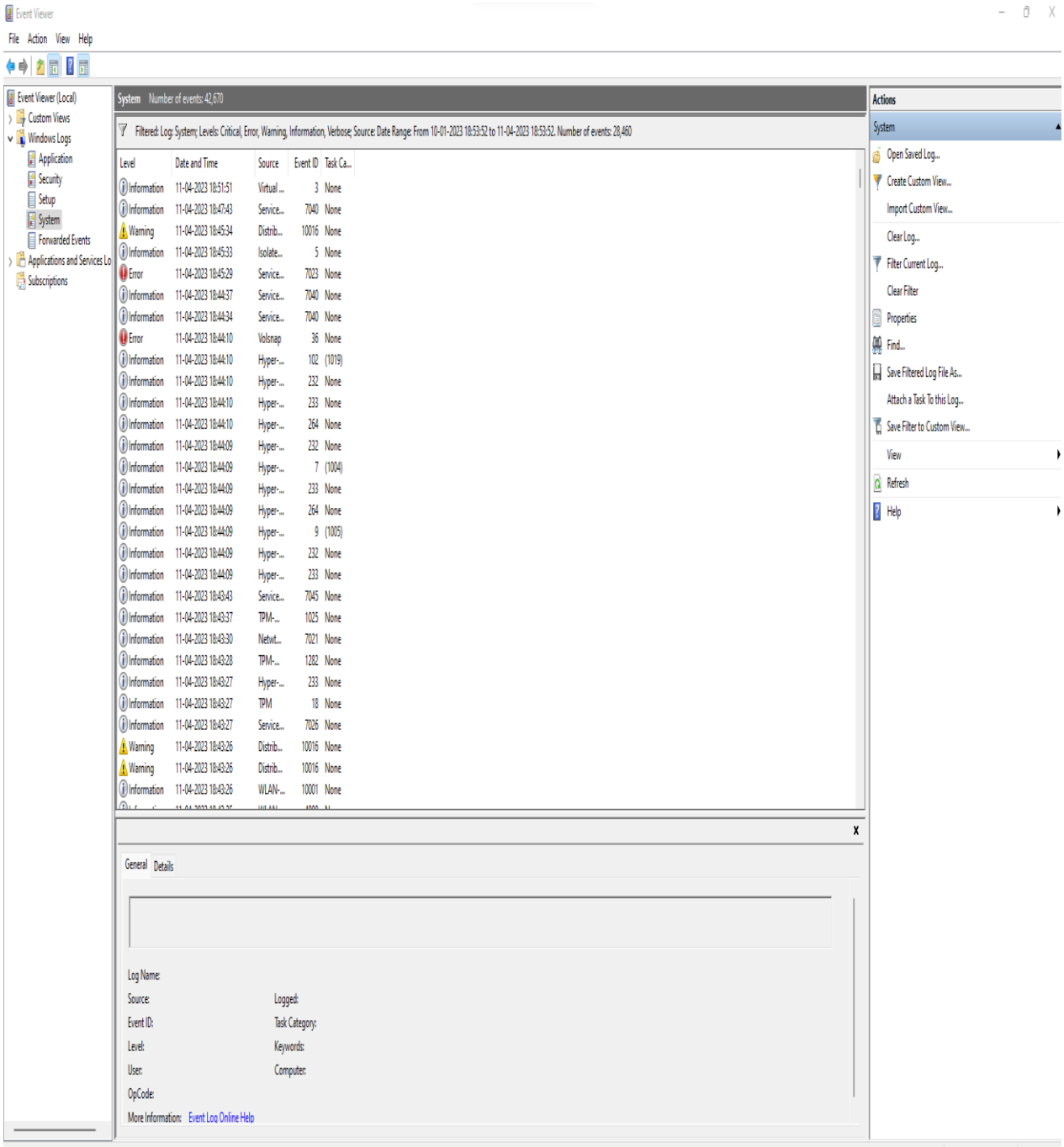
The project is dependent on the functionality of Event Viewer and SearchMonkey. If either of these tools fail to function properly or encounter errors during the project, it may impact the ability to analyze the system logs or find the video files in the DataStream folder

ANALYSIS REPORT

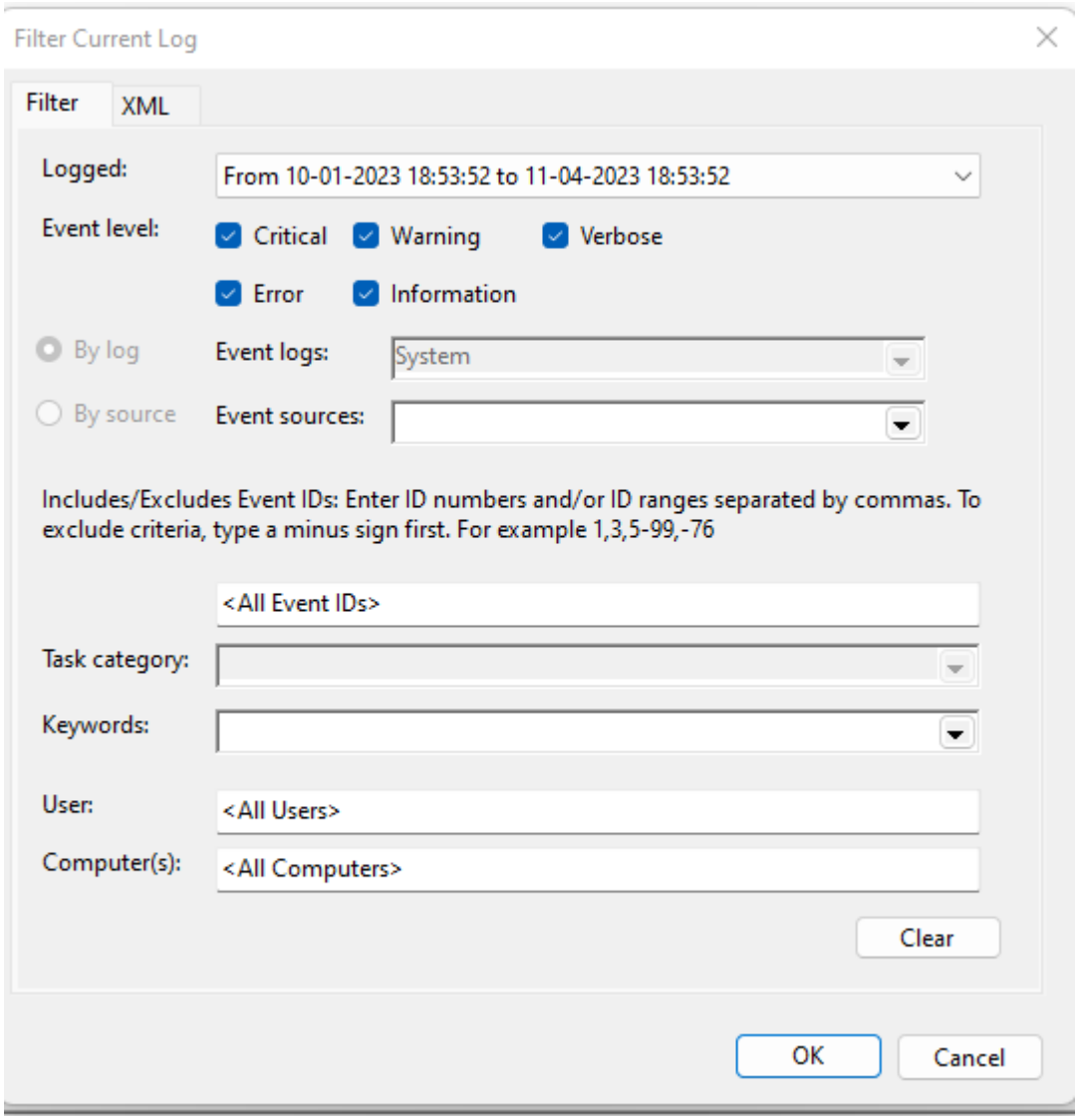
3.1 SYSTEM SNAPSHOT FOR LOG REPORT

STEP 1 :- We will open event viewer

STEP 2 :- In the Event Viewer window, select "Windows Logs" in the left pane and then choose the pecific log you want to view, such as "Application," "Security," or "System." . We will choose system



STEP 4 :- NOW WE WILL FILTER FOR PAST 3 MONTHS AND PRESS OK

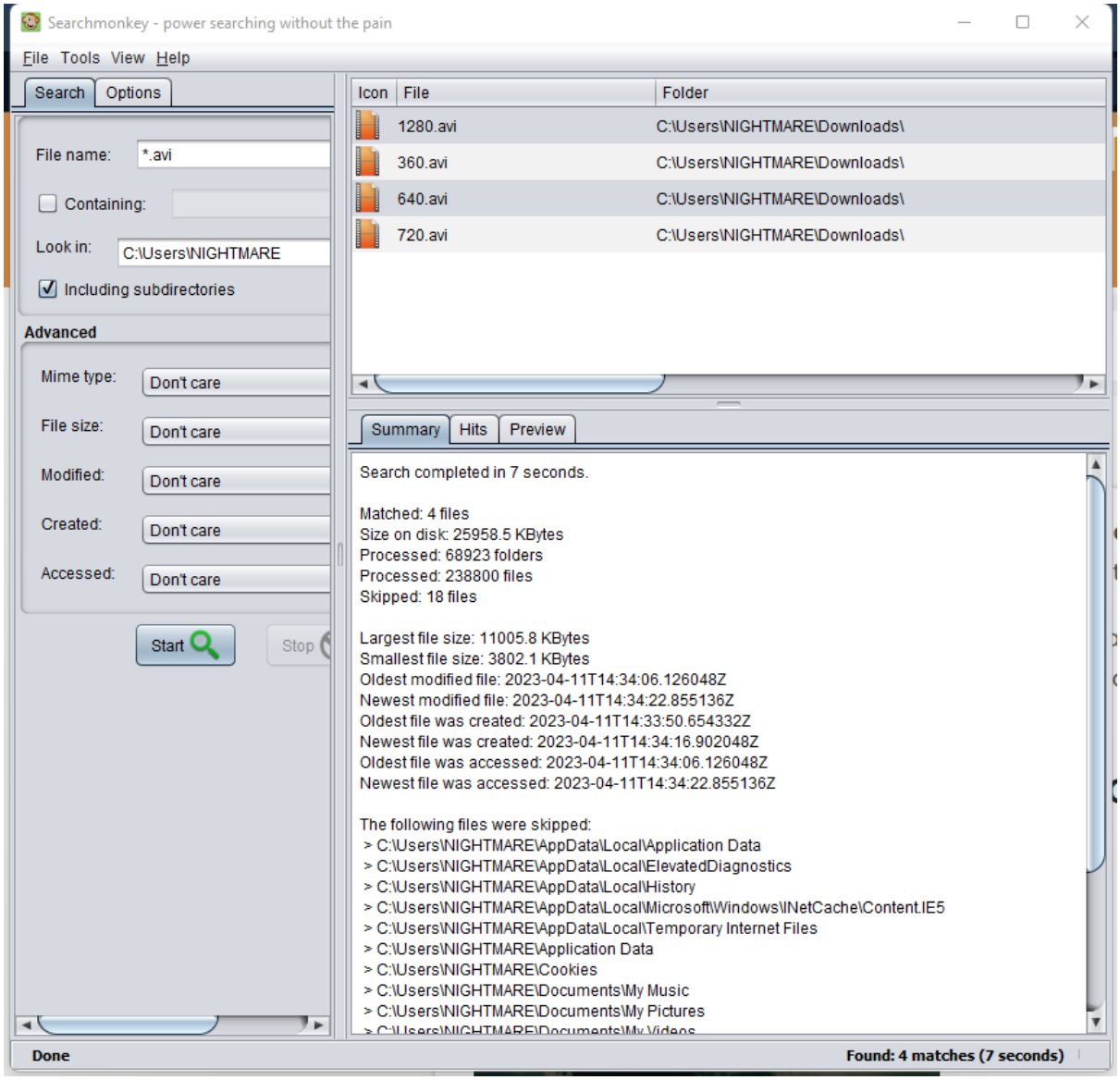


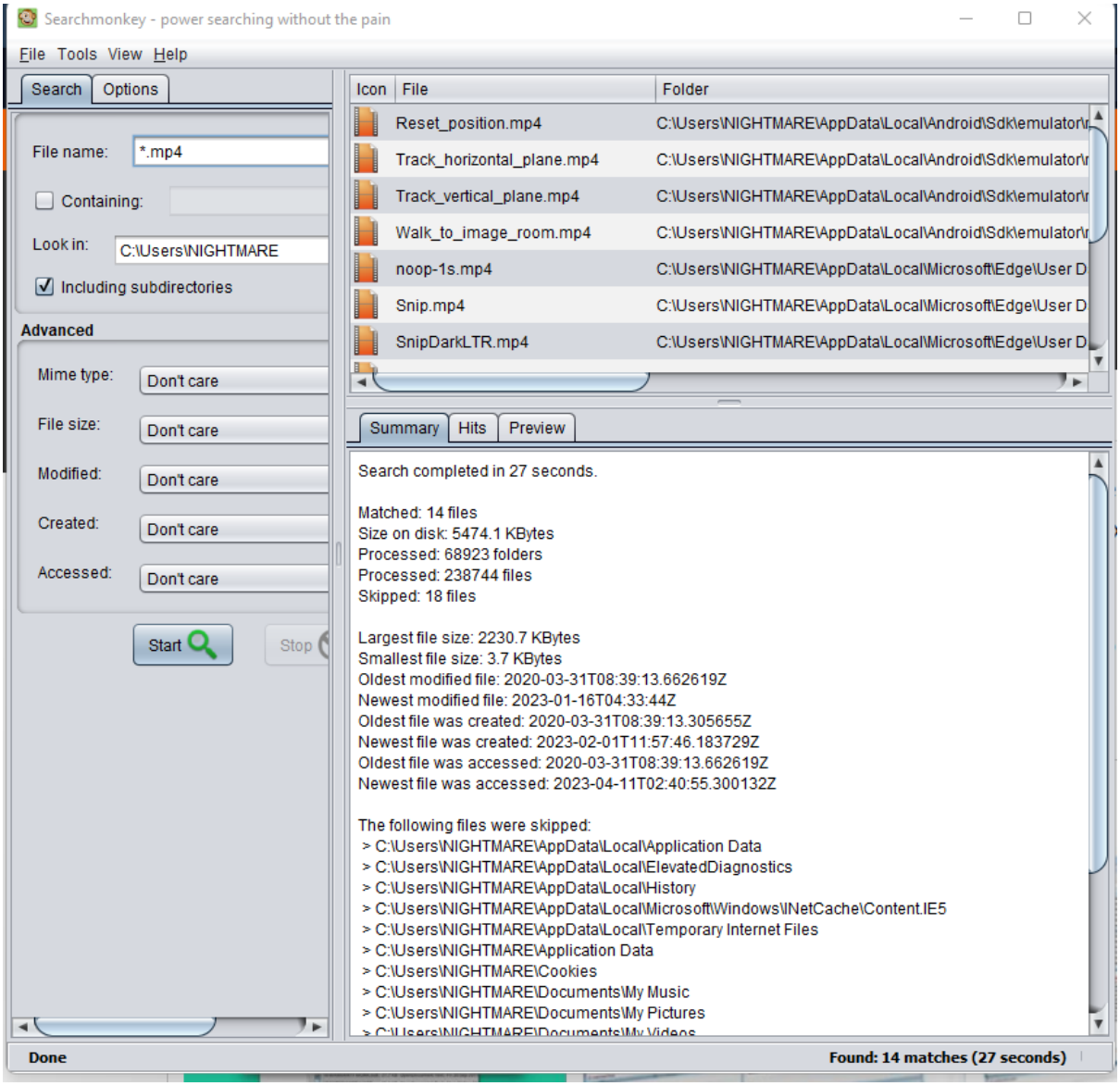
3.2 SNAPSHOT FOR MEDIAFILE SEARCH

STEP 1 :- Open searchmonkey

STEP 2 :- CHOSSE DIRECTORY

STEP 3 :- SEARCH FOR .MP4 AND .AVI FILE




Searchmonkey - power searching without the pain
File Tools View Help
Search Options
File name: *.mp4
Containing:
Look in: C:\Users\NIGHTMARE
Including subdirectories
Advanced
Mime type: Don't care
File size: Don't care
Modified: Don't care
Created: Don't care
Accessed: Don't care
Start
Stop
Icon File Folder
Reset_position.mp4 C:\Users\NIGHTMARE\AppData\Local\Android\Sdk\emulator\r
Track_horizontal_plane.mp4 C:\Users\NIGHTMARE\AppData\Local\Android\Sdk\emulator\r
Track_vertical_plane.mp4 C:\Users\NIGHTMARE\AppData\Local\Android\Sdk\emulator\r
Walk_to_image_room.mp4 C:\Users\NIGHTMARE\AppData\Local\Android\Sdk\emulator\r
noop-1s.mp4 C:\Users\NIGHTMARE\AppData\Local\Microsoft\Edge\User D
Snip.mp4 C:\Users\NIGHTMARE\AppData\Local\Microsoft\Edge\User D
SnipDarkLTR.mp4 C:\Users\NIGHTMARE\AppData\Local\Microsoft\Edge\User D
Summary Hits Preview
Search completed in 27 seconds.
Matched: 14 files
Size on disk: 5474.1 KBytes
Processed: 68923 folders
Processed: 238744 files
Skipped: 18 files
Largest file size: 2230.7 KBytes
Smallest file size: 3.7 KBytes
Oldest modified file: 2020-03-31T08:39:13.662619Z
Newest modified file: 2023-01-16T04:33:44Z
Oldest file was created: 2020-03-31T08:39:13.305655Z
Newest file was created: 2023-02-01T11:57:46.183729Z
Oldest file was accessed: 2020-03-31T08:39:13.662619Z
Newest file was accessed: 2023-04-11T02:40:55.300132Z
The following files were skipped:
> C:\Users\NIGHTMARE\AppData\Local\Application Data
> C:\Users\NIGHTMARE\AppData\Local\ElevatedDiagnostics
> C:\Users\NIGHTMARE\AppData\Local\History
> C:\Users\NIGHTMARE\AppData\Local\Microsoft\Windows\INetCache\Content.IE5
> C:\Users\NIGHTMARE\AppData\Local\Temporary Internet Files
> C:\Users\NIGHTMARE\Application Data
> C:\Users\NIGHTMARE\Cookies
> C:\Users\NIGHTMARE\Documents\My Music
> C:\Users\NIGHTMARE\Documents\My Pictures
Done
Found: 14 matches (27 seconds)

REFRENCES

Event Viewer - This is a built-in event log viewer in Windows operating systems that provides a centralized view of system, application, and security events.

Official Microsoft documentation: https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/eventviewer

Search monkey - This is a free and open source search tool for Linux and Unix-like operating systems that allows users to search for files and directories based on various criteria.

Official website: http://searchmonkey.sourceforge.net/ GitHub repository: https://github.com/hoehleatsu/searchmonkey

Open Source Initiative - This is an organization that promotes open source software and provides a list of approved licenses.

Website: https://opensource.org/

GitHub - This is a web-based platform that provides hosting for software development and version control using Git.

Website: https://github.com/