Assignment

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Class: BS DFCS Section: A

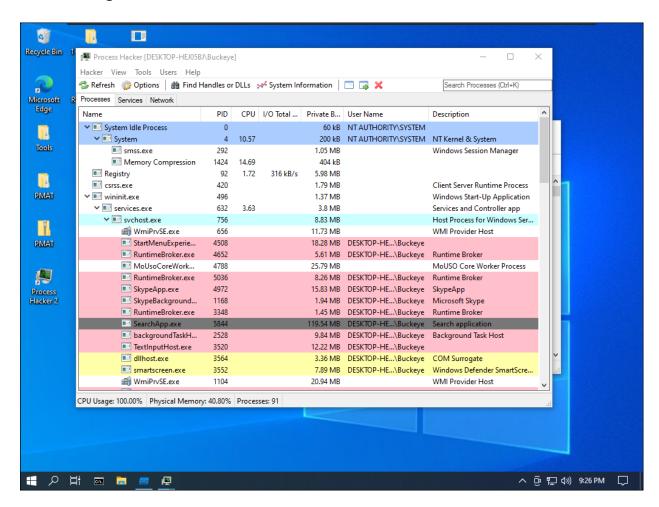
ID: Fa 19/BS DFCS/026

Instructor: Sir Taseer Suleeman

Generate a Procmon-based report. Also write about the details of windows based processes such as explorer.exe, procmon.exe, ntoskrnl.exe.

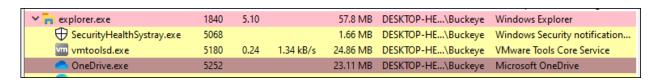
Process Hacker

Process Hacker is an open-source tool that will allow you to see what processes are running on a device, identify programs that are eating up CPU resources and identify network connections that are associated with a process. These types of features make Process Hacker an ideal tool for monitoring malware on a device.

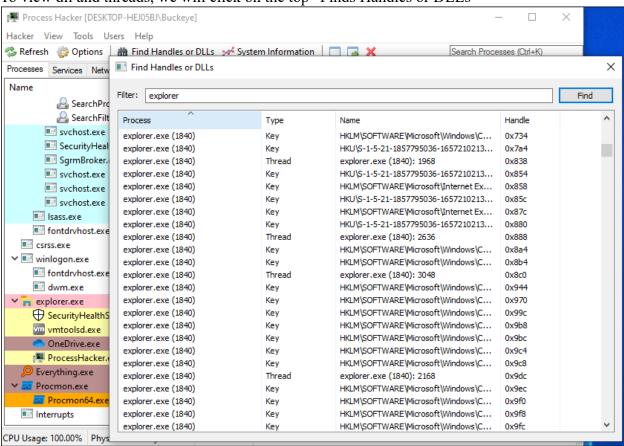


It runs a process "explorer.exe"

Windows Explorer (Explorer.exe) is the process responsible for starting and displaying most of the user interface (UI), including the desktop, taskbar, Action Center, Start menu, and File Explorer

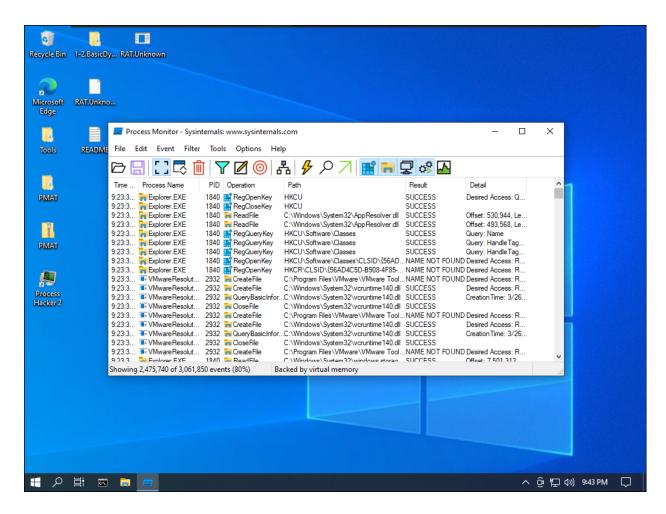


To view dll and threads, we will click on the top "Finds Handles or DLLs"

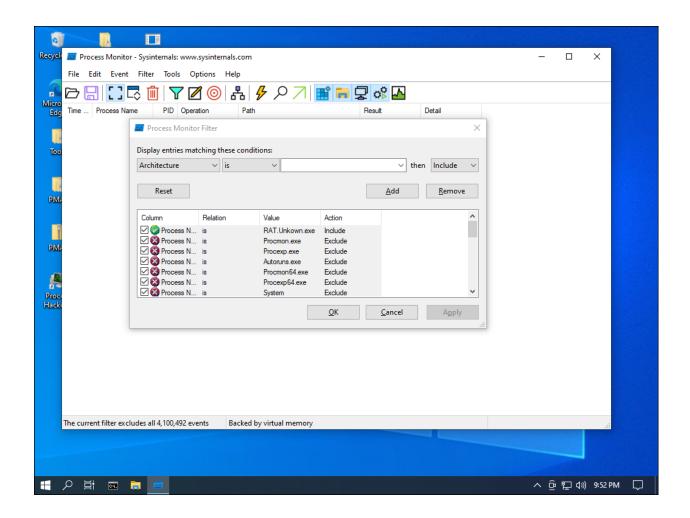


Procmon(Process Monitor)

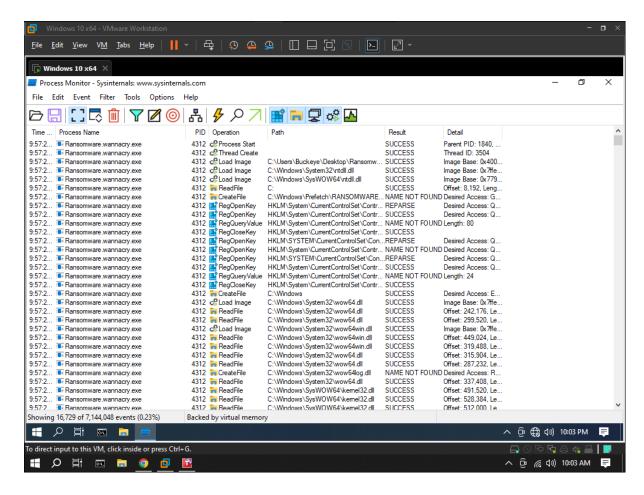
Process Monitor is a tool from Windows Sysinternals, part of the Microsoft TechNet website. The tool monitors and displays in real-time all file system activity on a Microsoft Windows or Unix-like operating system.



It show all process currently running on the system. If we want to check specific malware process then we have to make filer on it and run the process

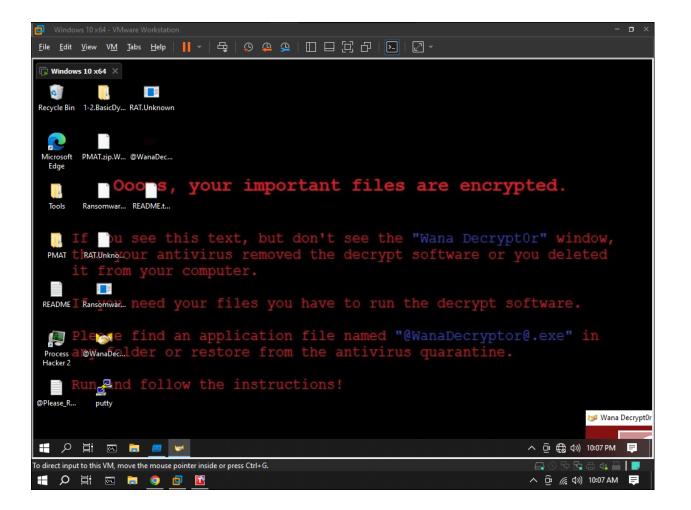


Now Running the one of known malware "Wannacry.exe"



So here are the process load by the WannaCry.exe

Because of not setting the network and domain used by this ransomware, it didn't proceed, as it need to request a domain first but it execute some host based process:





ntoskrnl.exe

ntoskrnl.exe (short for Windows NT operating system kernel executable), also known as the kernel image, contains the kernel and executive layers of the Microsoft Windows NT kernel, and is responsible for hardware abstraction, process handling, and memory management. In addition to the kernel and executive mentioned earlier, it contains the cache manager, security reference monitor, memory manager, scheduler (Dispatcher), and blue screen of death (the prose and portions of the code.