7/31/2021

WINDOWS SYSINTERNALS

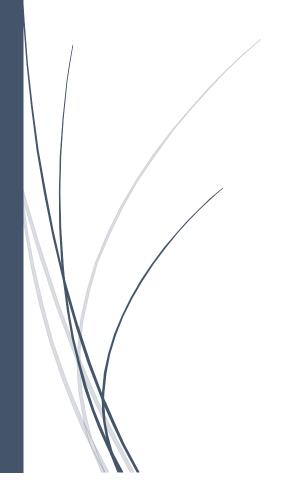


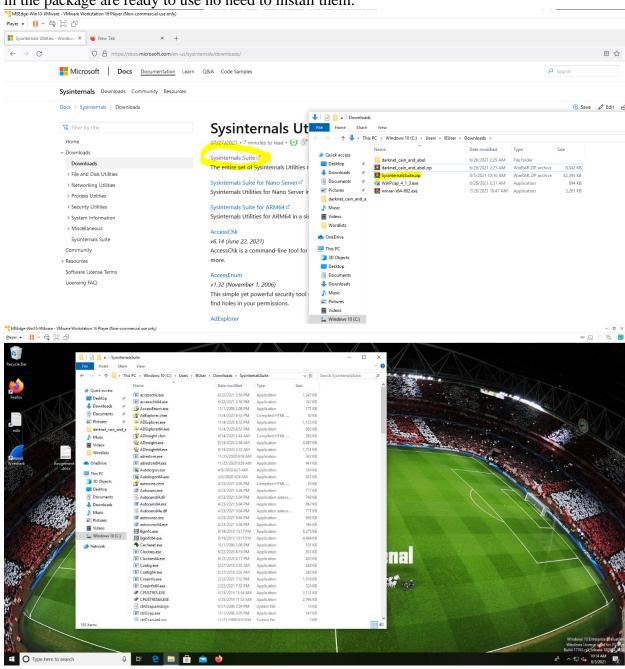
Table of Contents

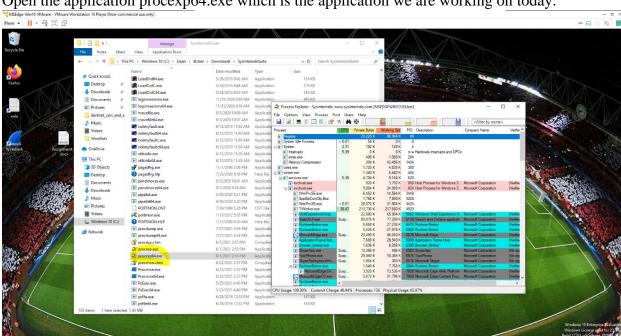
Part 1: Sysinternals	2
PART 1.1 What Are the SysInternals Tools and How Do You Use Them?	
PART 1.2 UNDERSTANDING PROCESS EXPLORER	3
Part 2: Determining the cost of a scan	. 7
2.1 The Windows VM IP's address	. 7
2.2 The Kali VM's IP address	8
2.3 Kali's desktop with the command-line window visible, with the Nmap command-line and some of Nmap results visible.	
2.4 Wireshark open showing the:	9

Part 1: Sysinternals

PART 1.1 What Are the SysInternals Tools and How Do You Use Them?

- 1. Start your windows virtual machine.
- 2. Install Sysinternals, for this download the zip file and extract the file. All the applications in the package are ready to use no need to install them.

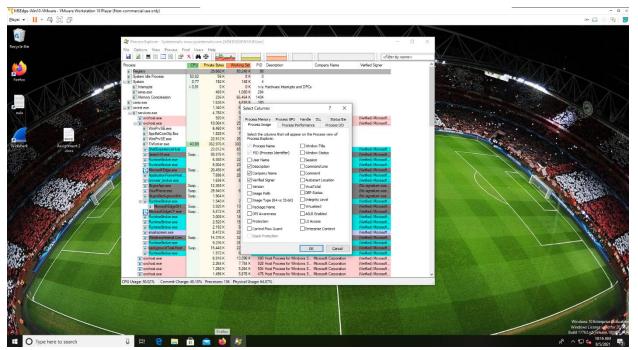




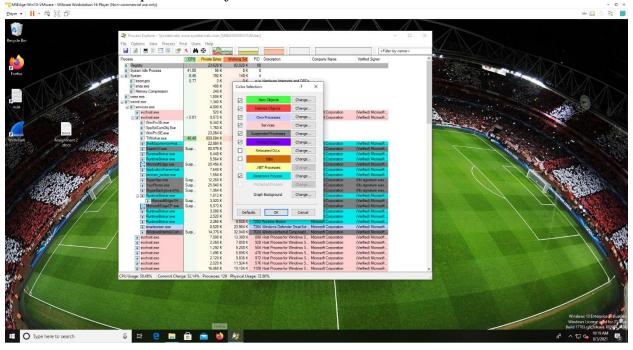
3. Open the application procexp64.exe which is the application we are working on today.

PART 1.2 UNDERSTANDING PROCESS EXPLORER

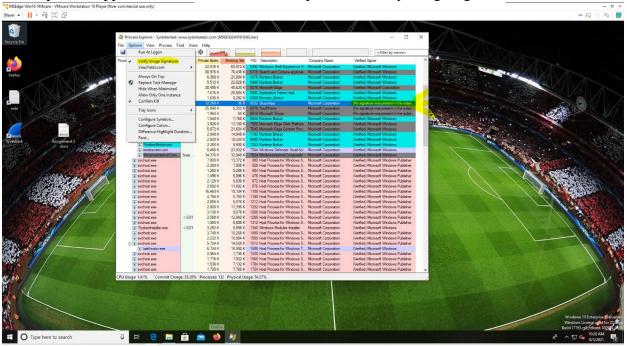
1. As Shown in the images above, the process explorer provides several columns of data like, Process, CPU, Private Bytes, Working Set, PID, Description and Company name. One can customize the columns as per the needs, several options available are listed in the screenshot below. To do this, Right click on columns and select the Columns u want to add in the list.



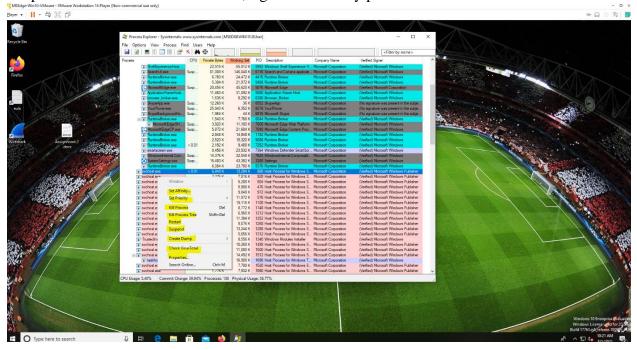
2. We can configure colors for the tasks, and if you don't remember what a color defines simply click on options and select Configure colors. Color Selection tab will pop up to apply changes. These specific colors define specific types of processes like green color define new process or objects.



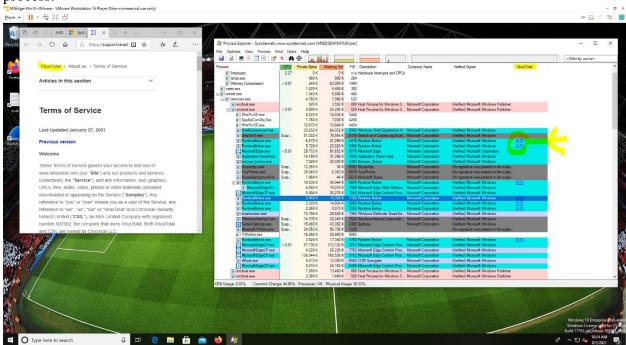
3. Next great feature is to verify image signatures, which check for the digital signature of every exe file appearing in the list, which helps in troubleshooting for some suspicious application. To Enable it, click options-> Verify Image signatures.



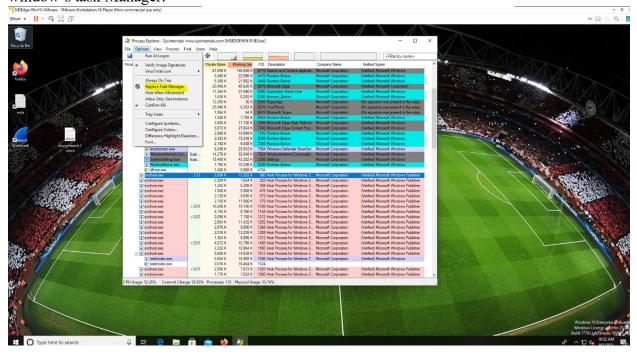
4. Other thing we can do is Taking action on a specific process. We can set priority for a process, kill a process, kill the whole process tree, restart a process, suspend the process. To do one of these tasks, right click on any process.



5. Using Process Explorer to quickly search VirusTotal which is very helpful to find a virus thread. You can check this by right clicking on any process and select Check VirusTotal. Accept the terms and the number of virus will be listed against every process.



6. You can replace the task manager with process explorer which is nice because process explorer provides so many better features than windows normal task manager. To do this Click Options, and select Replace Task Manager. Next time when you will press Ctrl + shift + esc, process explorer will pop up rather than window's task Manager.

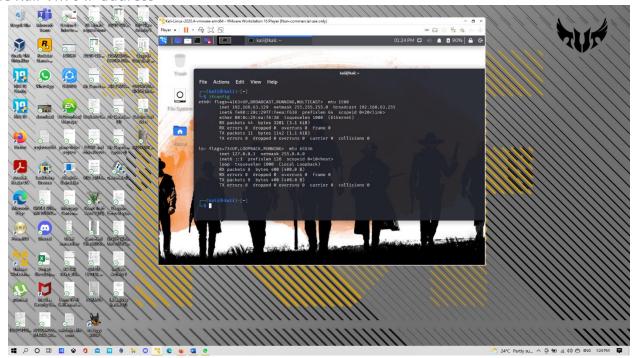


Part 2: Determining the cost of a scan

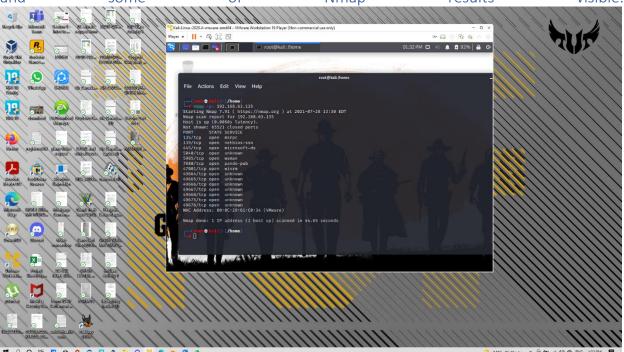
2.1 The *Windows* VM IP's address



2.2 The Kali VM's IP address

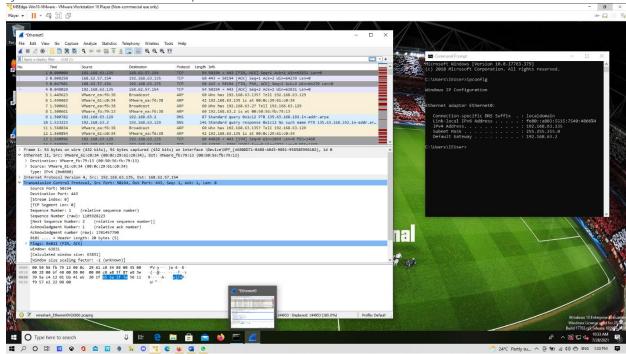


2.3 Kali's desktop with the command-line window visible, with the Nmap command-line and some of Nmap results visible.

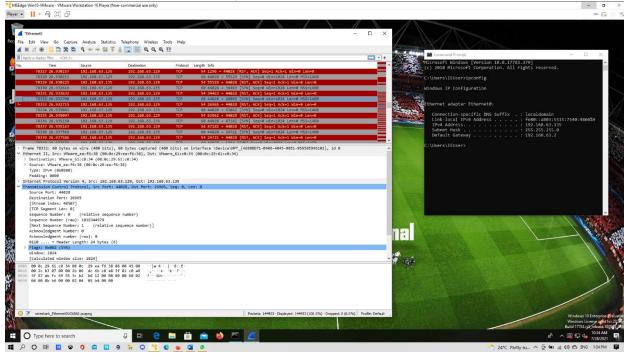


2.4 Wireshark open showing the:

2.4.1 Start of the Windows VM scan's capture.



2.4.2 Mid-section of the Windows VM scan's capture.



2.4.3 End of the Windows VM scan's capture.

