Sysmon

Task 4

Question: How many event ID 3 events are in C:\Users\THM-Analyst\Desktop\Scenarios\Practice\Filtering.evtx?

Answer: 73,591

Explanation:

- Open powershell
- enter this command: `C:\Users\THM-Analyst\Desktop\Scenarios\Practice> Get-WinEvent -Path C:\Users\THM-Analyst\Desktop\Scenarios\Practice\F iltering.evtx -FilterXPath '*/System/EventID=3'| Measure-Object -Line`

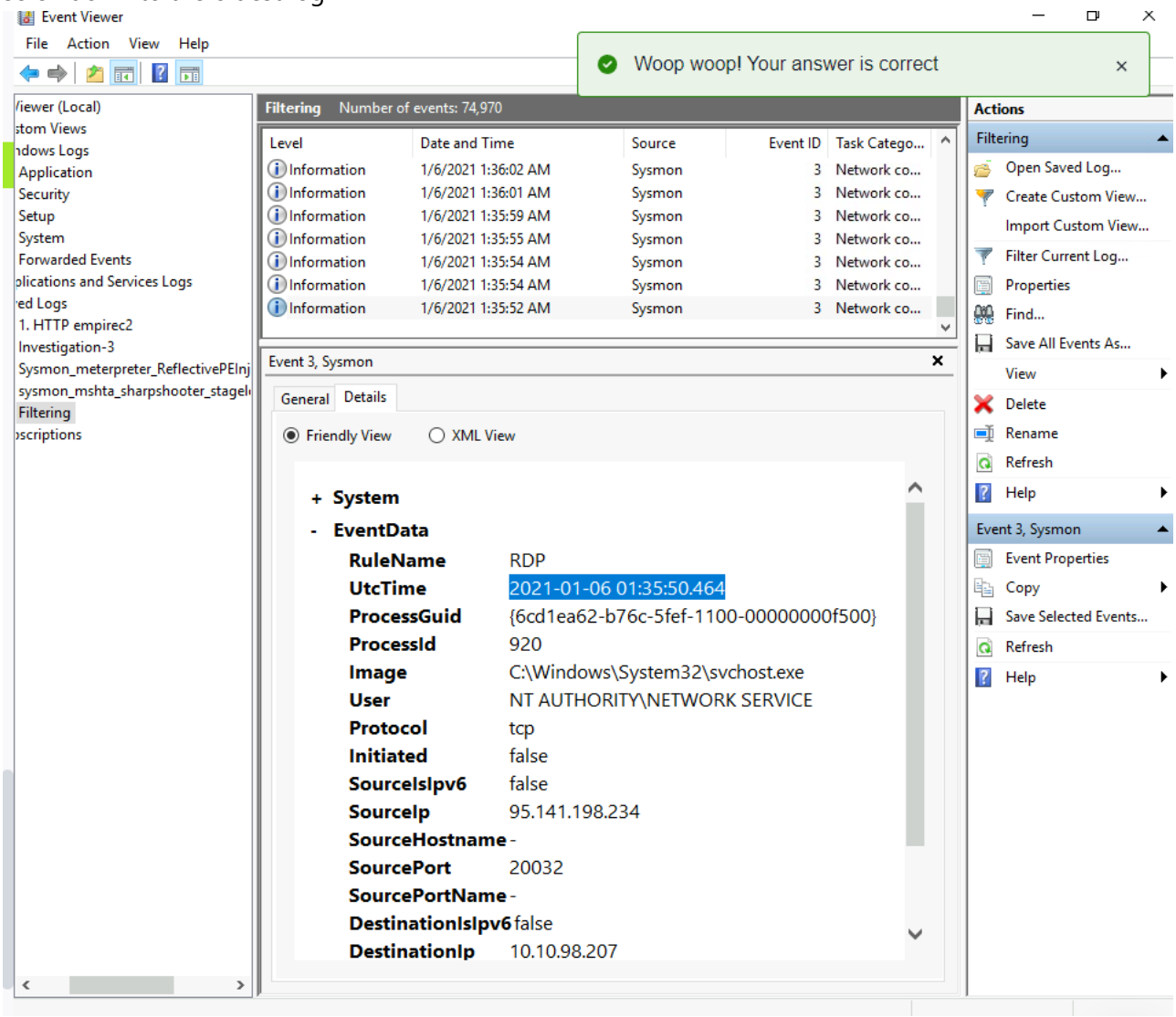
Question: What is the UTC time created of the first network event in C:\Users\THM-Analyst\Desktop\Scenarios\Practice\Filtering.evtx?

Answer: 2021-01-06 01:35:50.464

Explanation:

- open the scenarios folder on the desktop
- open the Practice folder
- open the filtering event viewer

- scroll down to the oldest log



Question:

Answer:

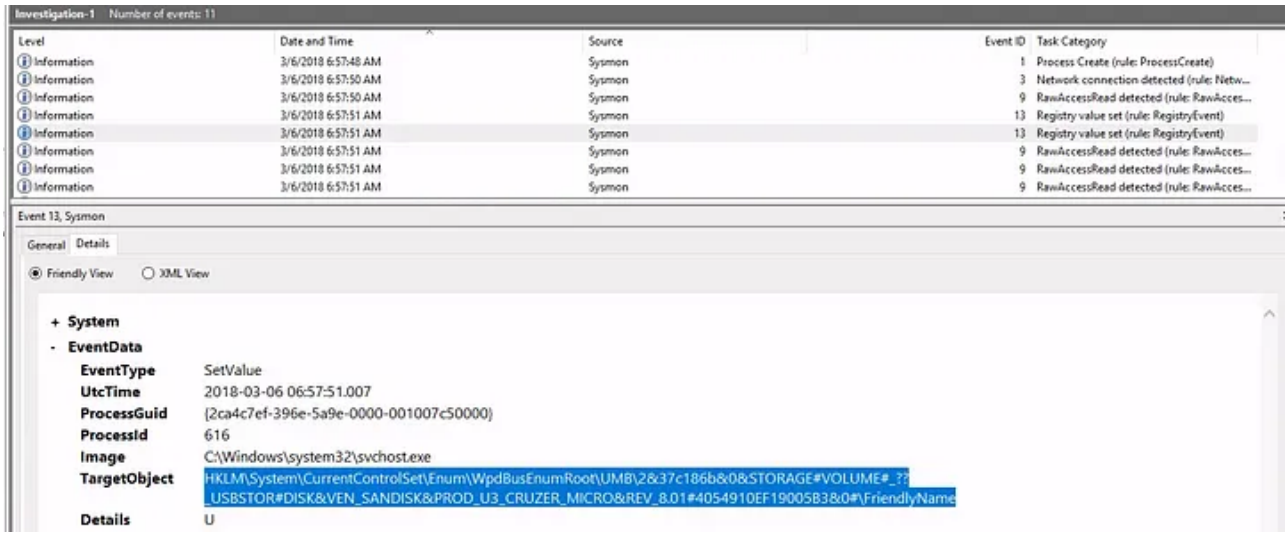
Task 10

Question: What is the full registry key of the USB device calling svchost.exe in Investigation 1?

Answer:
HKLM\System\CurrentControlSet\Enum\WpdBusEnumRoot\UMB\2&37c186b&0&STORAGE#VOLUME#_??_USBSTOR#DISK&VEN_SANDISK&PROD_U3_CRUZER_MICRO&REV_8.01#4054910EF19005B3&0#\FriendlyName

Explanation:

- I looked at the earliest logs and worked my way to the latest. What I focused on was to see if anything references svchost.exe.

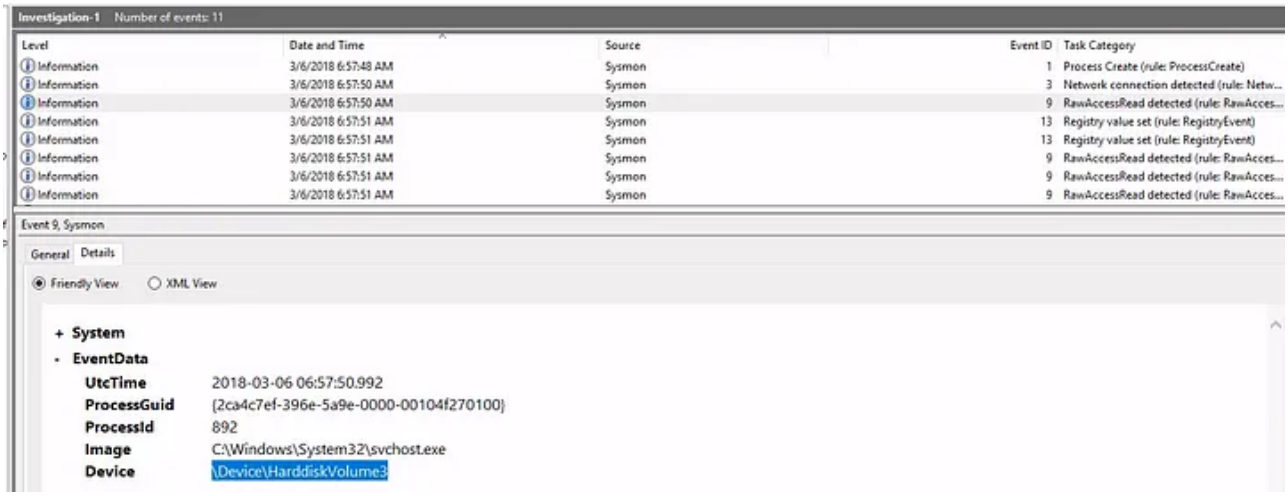


Question: What is the device name when being called by RawAccessRead in Investigation 1?

Answer: \Device\HarddiskVolume3

Explanation:

- I looked at the earliest instance of “RawAccessRead” under Task Category. After that, I looked for anything that would give a name. Instead I found a “Device” tag instead.



Question What is the first exe the process executes in Investigation 1?

Answer: rundll32.exe

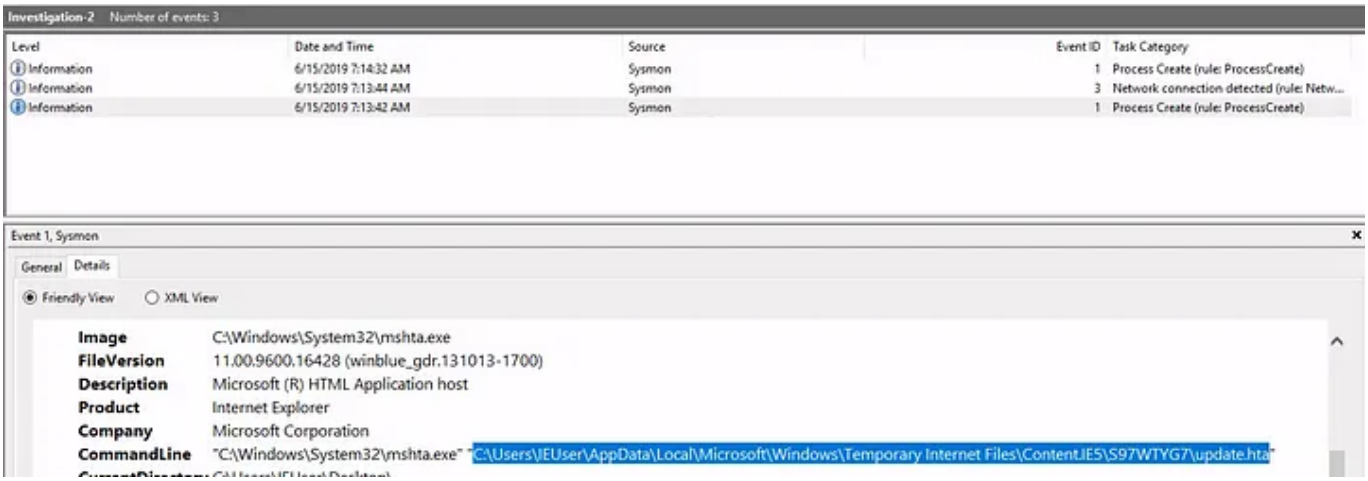
Explanation:

- I worked down starting with the earliest after the first RawAccessRead event. WUDFHost.exe was not the right answer. After a few tries, I saw the latest entry is rundll32.exe being terminated. I decided to enter that as the answer because I thought maybe the malicious file wanted to terminate the process it started to make it harder for anyone to notice something is in the network.

Question: What is the full path of the payload in Investigation 2?

Answer: C:\Users\IEUser\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\S97WTYG7\update.hta

Explanation:



Question: What is the full path of the file the payload masked itself as in Investigation 2?

Answer: C:\Users\IEUser\Downloads\update.html

Explanation:

Question: What signed binary executed the payload in Investigation 2?

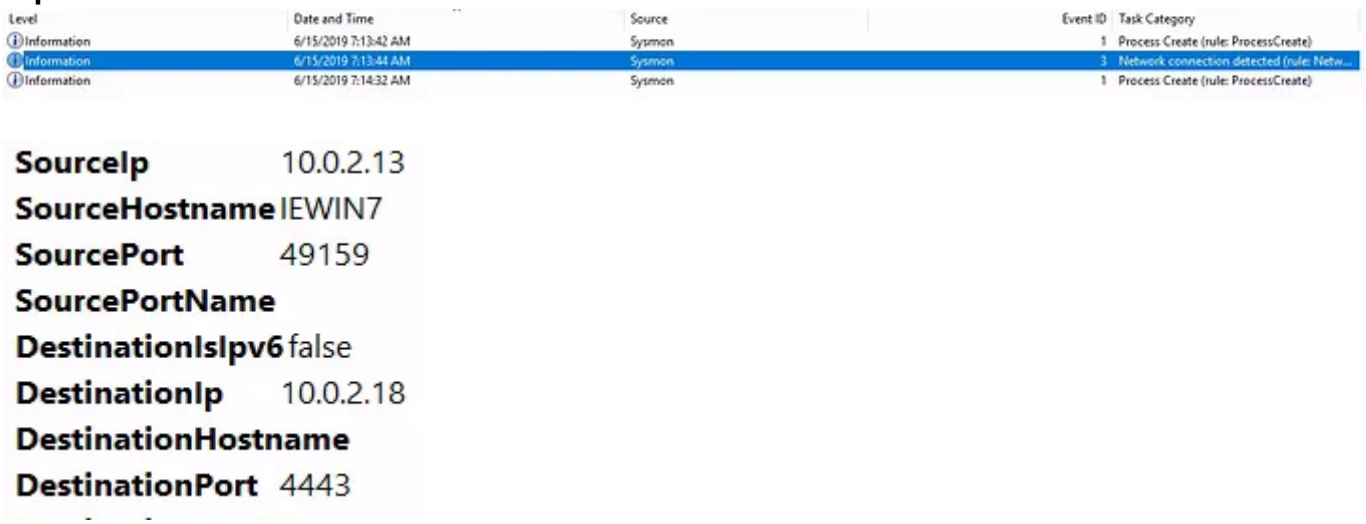
Answer: C:\Windows\System32\mshta.exe

Explanation:

Question: What is the IP of the adversary in Investigation 2?

Answer: 10.0.2.18

Explanation:



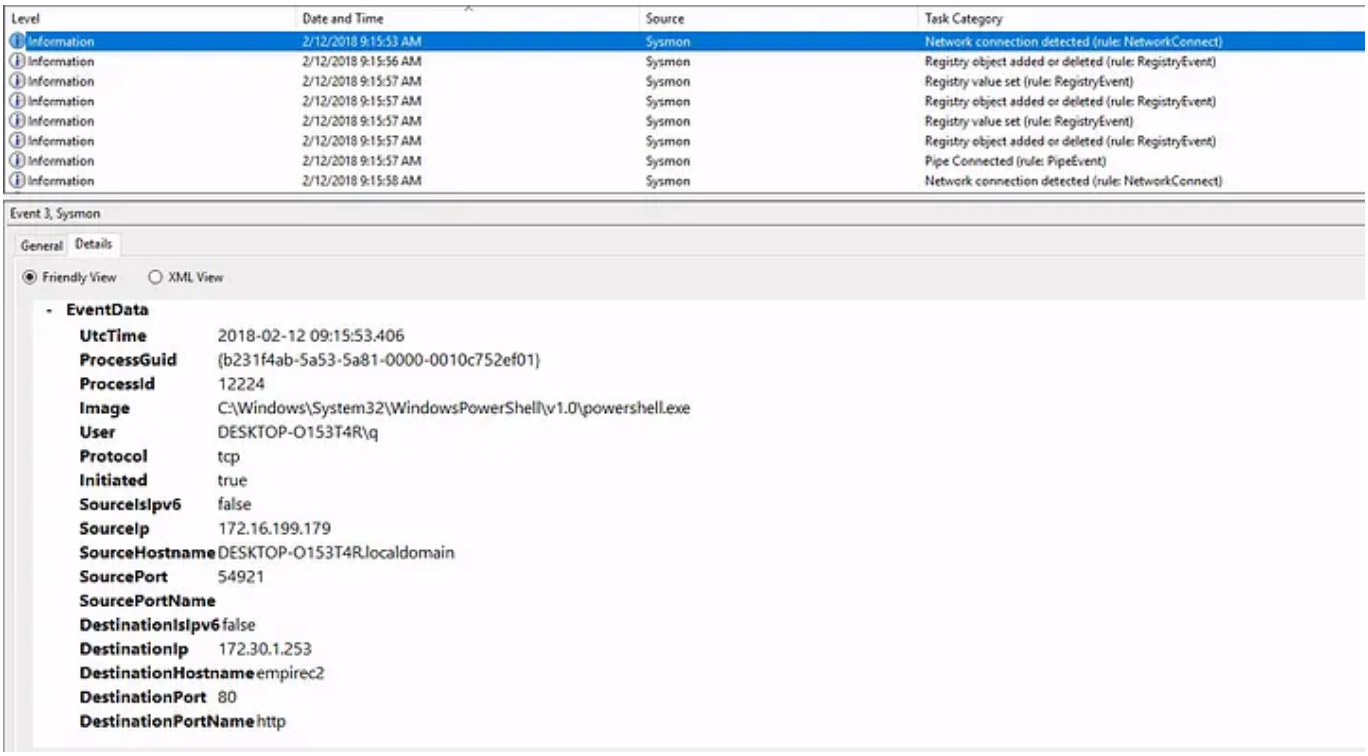
Question: What back connect port is used in Investigation 2?

Answer: 4443

Question: What is the IP of the suspected adversary in Investigation 3.1?

Answer: 172.30.1.253

Explanation:



Question: What is the hostname of the affected endpoint in Investigation 3.1?

Answer: DESKTOP-O153T4R

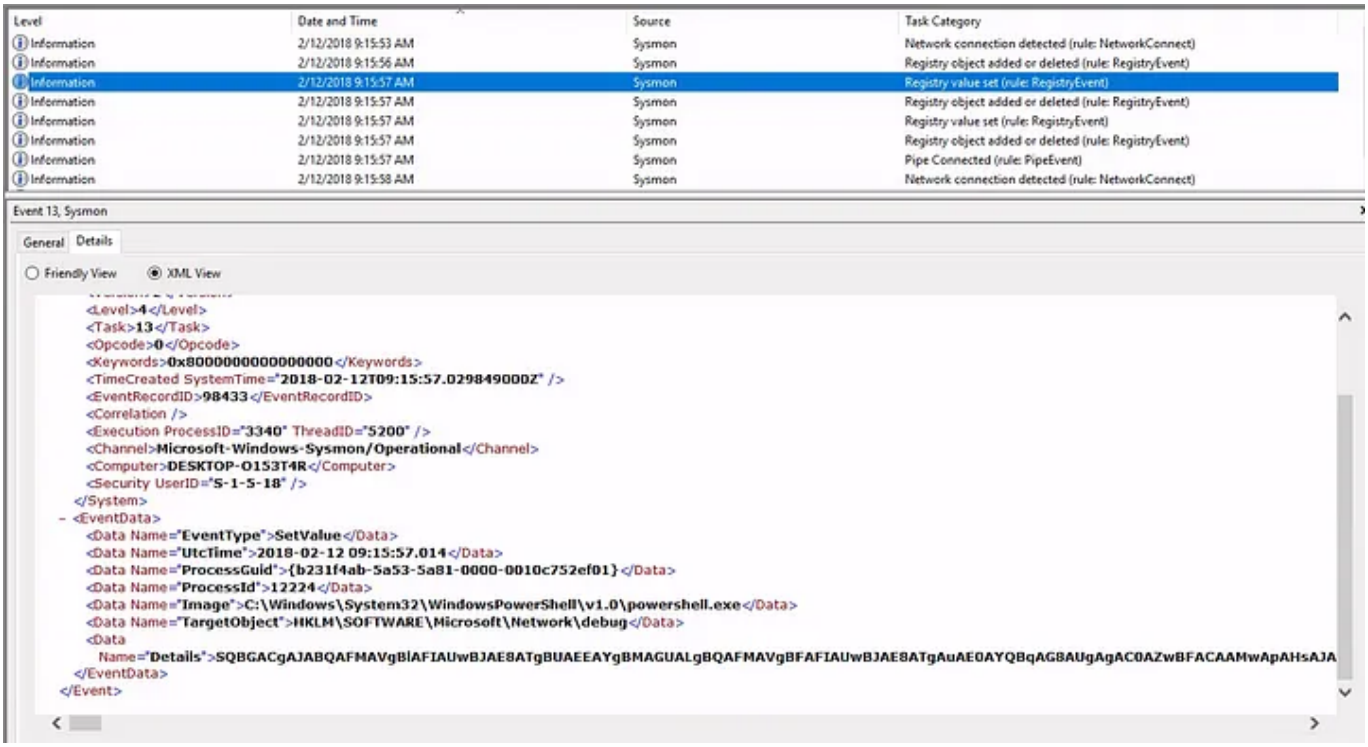
Question: What is the hostname of the C2 server connecting to the endpoint in Investigation 3.1?

Answer: empirec2

Question: Where in the registry was the payload stored in Investigation 3.1?

Answer: HKLM\SOFTWARE\Microsoft\Network\debug

Explanation:



Question: What PowerShell launch code was used to launch the payload in Investigation 3.1?

Answer: “C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe” -c “$x=$((gp HKLM:Software\Microsoft\Network debug).debug);start -Win Hidden -A \”-enc $x\” powershell”;exit;

Explanation:

- enter this command in powershell: `(Get-WinEvent -Path .\Investigation-3.1.evtx | Where-Object {$_.Id -eq "13"} | Select-Object -First 1).Properties.Value[6]`

Queston: What is the IP of the adversary in Investigation 3.2?

Answer: 172.168.103.188

Explanation:

- Enter these commands in powershell:

```
$Events = Get-WinEvent -Path .\Investigation-3.2.evtx | Where-Object {$_.Id -eq
"3"}

$Events[0].Properties

$Events[0].Properties[13].Value
```

Question: What is the full path of the payload location in Investigation 3.2?

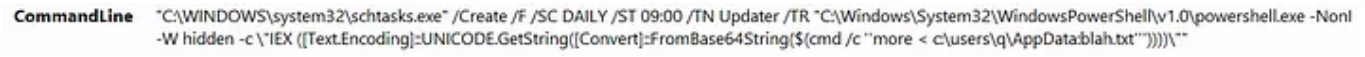
Answer: c:\users\q\AppData:blah.txt

Explanation:

Question: What was the full command used to create the scheduled task in Investigation 3.2?

Answer: "C:\WINDOWS\system32\schtasks.exe" /Create /F /SC DAILY /ST 09:00 /TN Updater /TR "C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe -NonI -W hidden -c \"IEX ([Text.Encoding]::UNICODE.GetString([Convert]::FromBase64String($(cmd /c ''more < c:\users\q\AppData:blah.txt'')))))\""

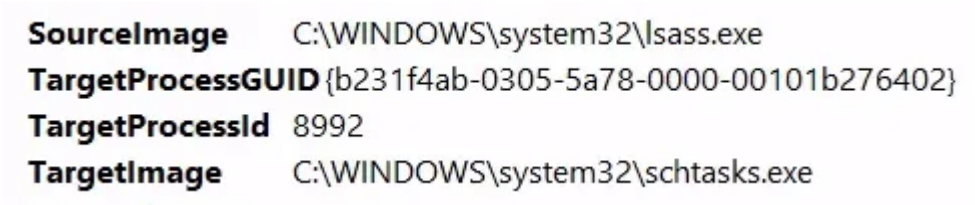
Explanation:



Question: What process was accessed by schtasks.exe that would be considered suspicious behavior in Investigation 3.2?

Answer: lsass.exe

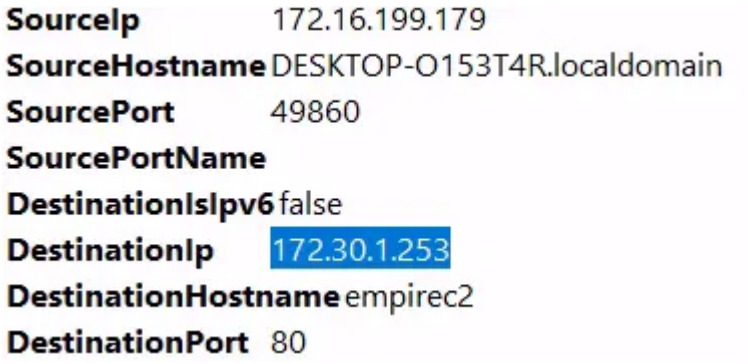
Explanation:



Question: What is the IP of the adversary in Investigation 4?

Answer: 172.30.1.253

Explanation:



Question: What port is the adversary operating on in Investigation 4?

Answer: 80

Question: What C2 is the adversary utilizing in Investigation 4?

Answer: Empire

The tasks, questions or answers not mentioned here means there were no answers needed.