Windows Defender Integration with Wazuh

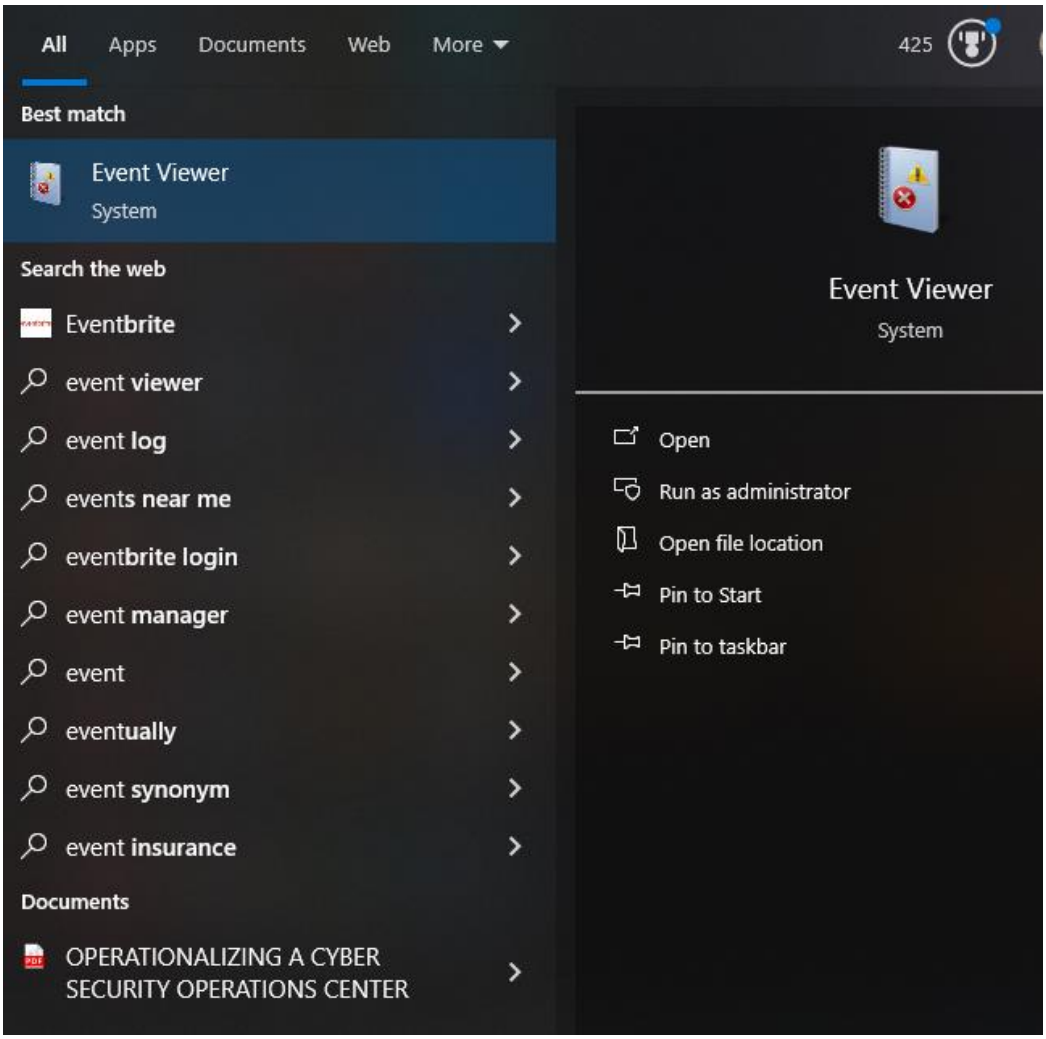
Lab Created by : Sayed Waqar Ali Bacha

LinkedIn: www.linkedin.com/in/waqar-ali-8a5b6b228

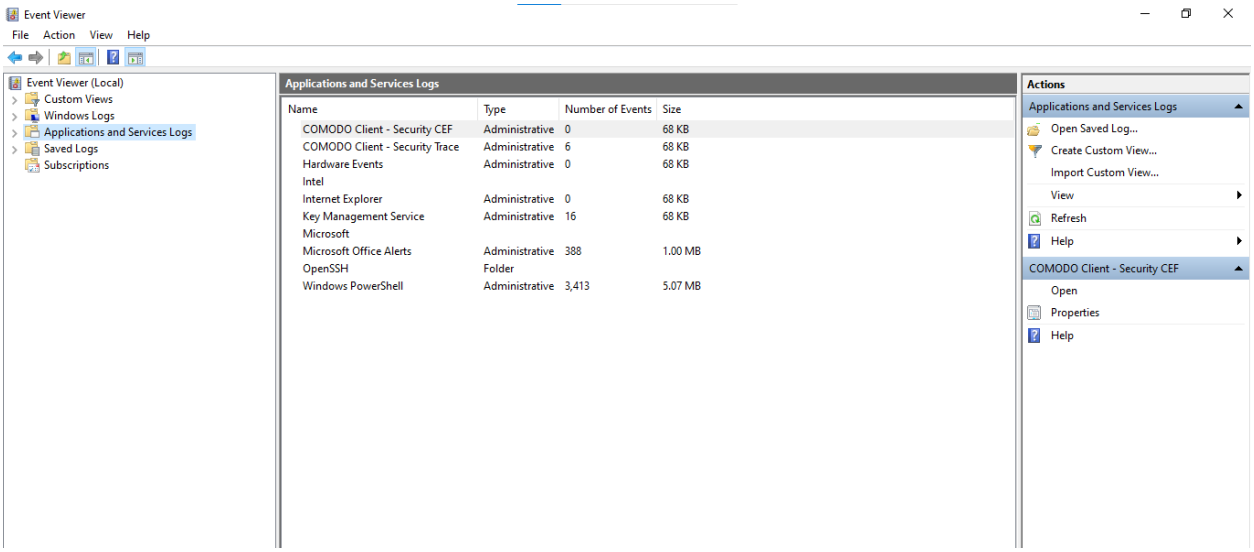
GitHub: https://github.com/waqar5289

1. Enable Windows Defender logs on a Windows machine.

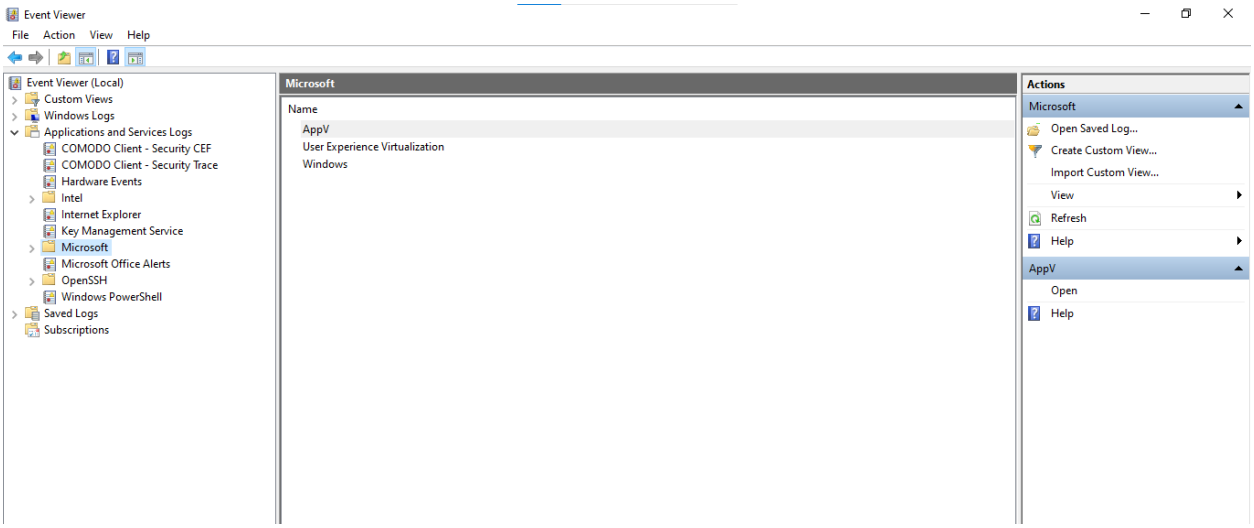
Open Event Viewer



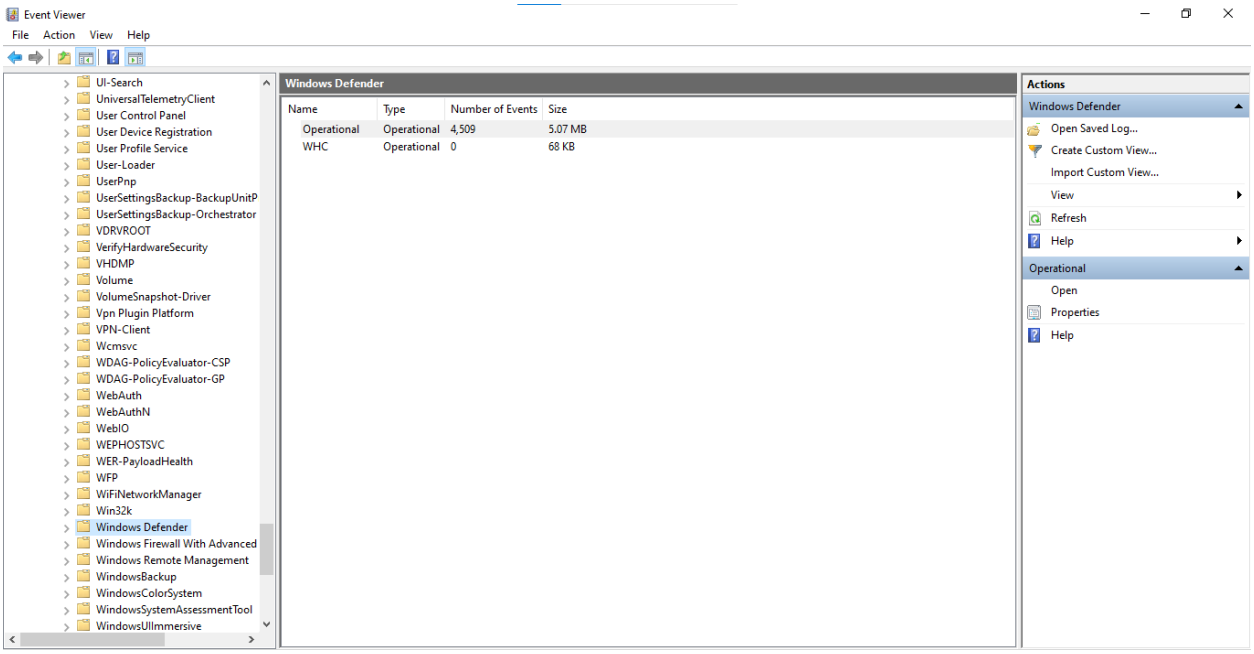
Click On Open And services Logs



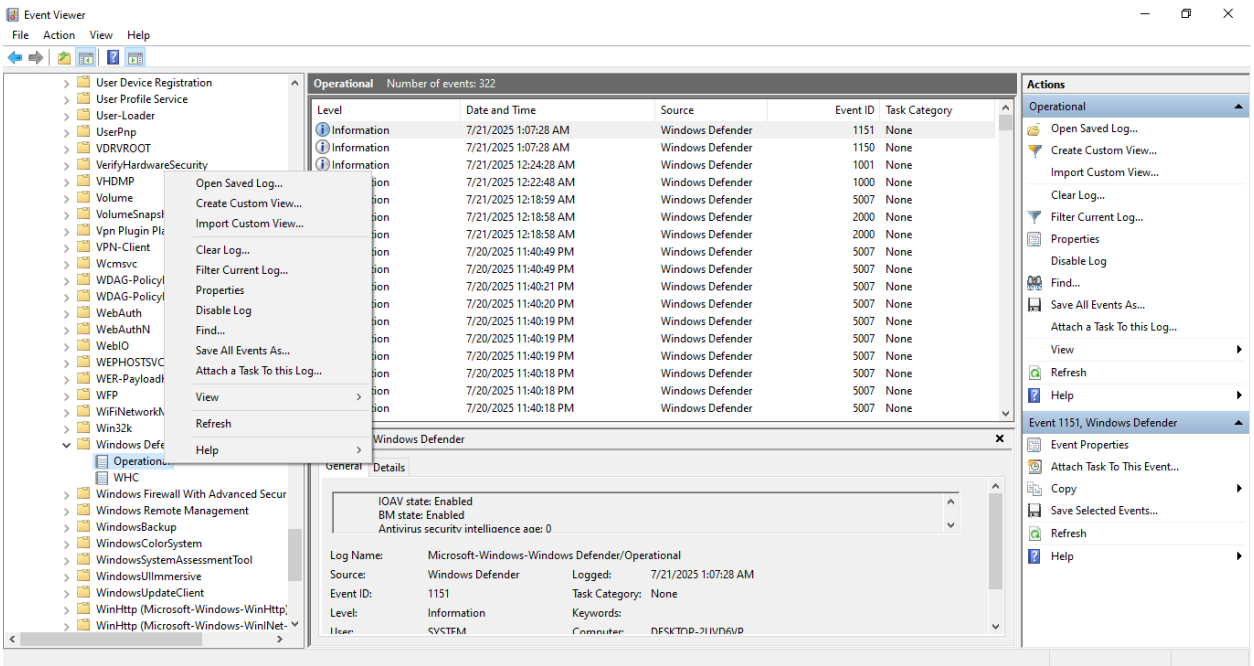
Click on Microsoft and Then on Windows



After clicking windows Then open Windows defender:



In windows Defender Enabled Operational Field



2. Configure Wazuh to collect Windows Security logs related to Defender events.

- On your Windows endpoint (with the Wazuh agent installed)
- Open (ossec.conf) file and add these lines inside it.

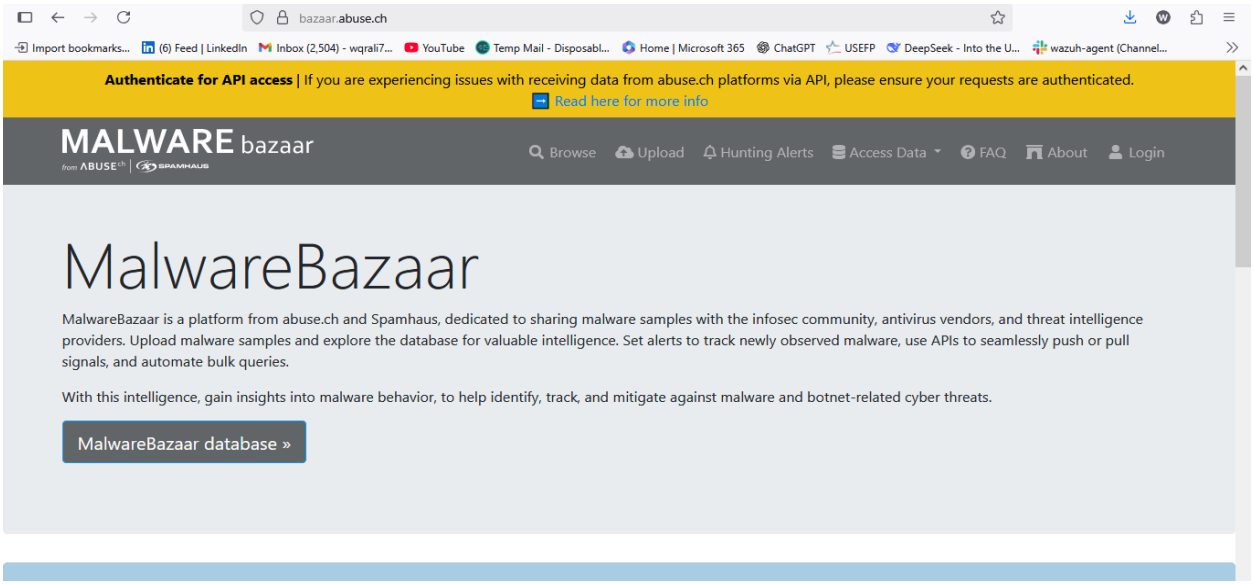
<localfile>

<location>Microsoft-Windows-Windows Defender/Operational</location>
<log_format>eventchannel</log_format>
</localfile>

- Restart Wazuh Agent

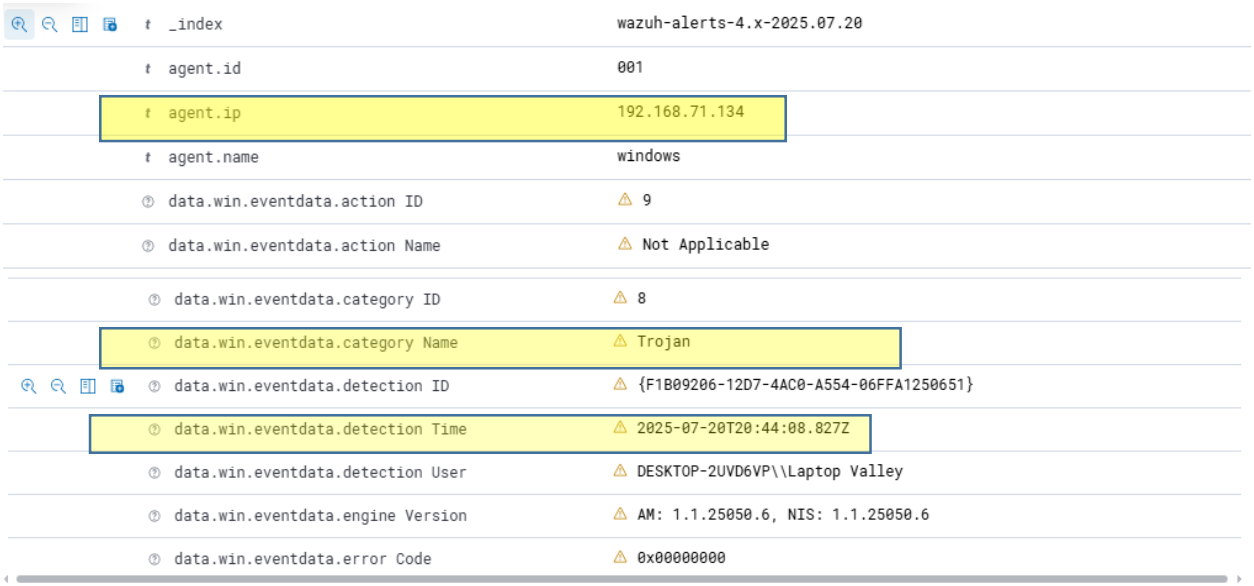
3. Simulate a Defender alert by downloading or scanning an EICAR test file.

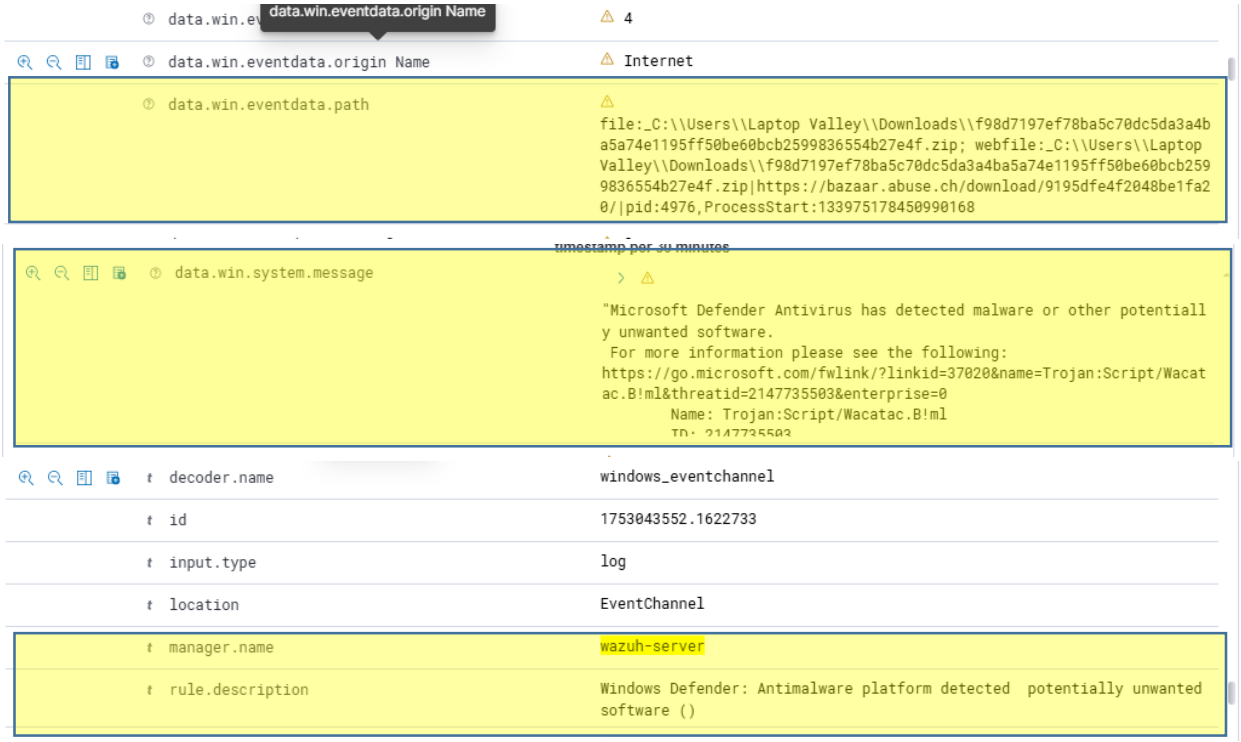
Download a sample from Malware Bazar Then Execute It But Safe One.



4.After Running The Malware You Will See Alerts On wazuh Dashboard.

Successfully Analyze Alerts On Wazuh Dashboard




data.win.eventdata.origin Name
data.win.ev
4
data.win.eventdata.origin Name
Internet
data.win.eventdata.path
file:_C:\\Users\\Laptop Valley\\Downloads\\f98d7197ef78ba5c70dc5da3a4ba5a74e1195ff50be60bcb2599836554b27e4f.zip; webfile:_C:\\Users\\Laptop Valley\\Downloads\\f98d7197ef78ba5c70dc5da3a4ba5a74e1195ff50be60bcb2599836554b27e4f.zip|https://bazaar.abuse.ch/download/9195dfe4f2048be1fa20/|pid:4976,ProcessStart:133975178450990168
timestamp per 30 minutes
data.win.system.message
"Microsoft Defender Antivirus has detected malware or other potentially unwanted software.
For more information please see the following:
https://go.microsoft.com/fwlink/?linkid=37020&name=Trojan:Script/Wacatac.B!ml&threatid=2147735503&enterprise=0
Name: Trojan:Script/Wacatac.B!ml
decoder.name
windows_eventchannel
id
1753043552.1622733
input.type
log
location
EventChannel
manager.name
wazuh-server
rule.description
Windows Defender: Antimalware platform detected potentially unwanted software ()

THE END