SOC Internship – Week 1 Report

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Task: Wazuh Installation & Agent Configuration

Organization: Cyborts

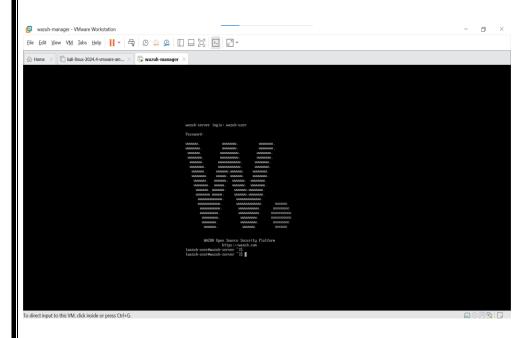
Table of Contents

- 1-Import the **Wazuh OVA file** into VirtualBox or VMware and start the Wazuh Manager.
- 2-Access the Wazuh web interface and take a **screenshot of the** dashboard login page.
- 3-Install the **Wazuh agent on a Windows machine** and connect it to the Wazuh Manager.
- 4-Install the **Wazuh agent on an Ubuntu machine** and connect it to the Wazuh Manager.
- 5-Enable **File Integrity Monitoring (FIM)** on the Ubuntu agent for the /etc directory.
- 6-Enable **FIM on the Windows agent** for the C:\Windows\System32 directory.
- 7-Create or modify a file in both monitored directories and **verify FIM** alerts in the Wazuh dashboard.

1. Wazuh Manager Setup in VirtualBox/VMware

Step 1: Imported the Wazuh OVA file and started the virtual machine.

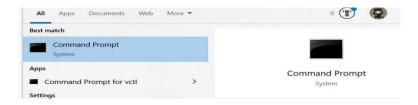
Step 2: wazuh is running



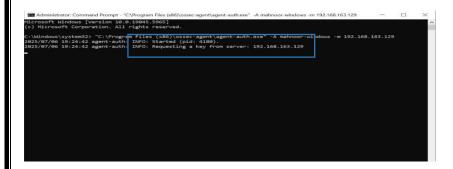
Enter command= ip a



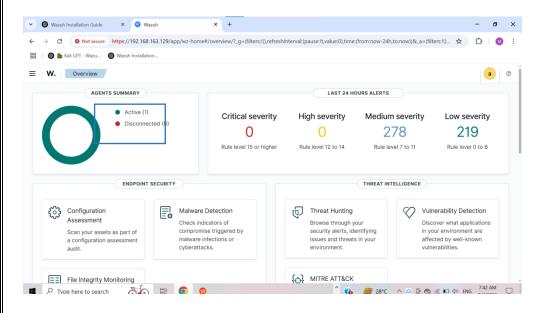
Step: Installed Wazuh agent and connected it to the Wazuh Manager. Firstly, open **Command Prompt** and run as **administrator**



Run "C:\Program Files (x86)\ossec-agent\agent-auth.exe" -A mahnoor-windows -m 192.168.163.129

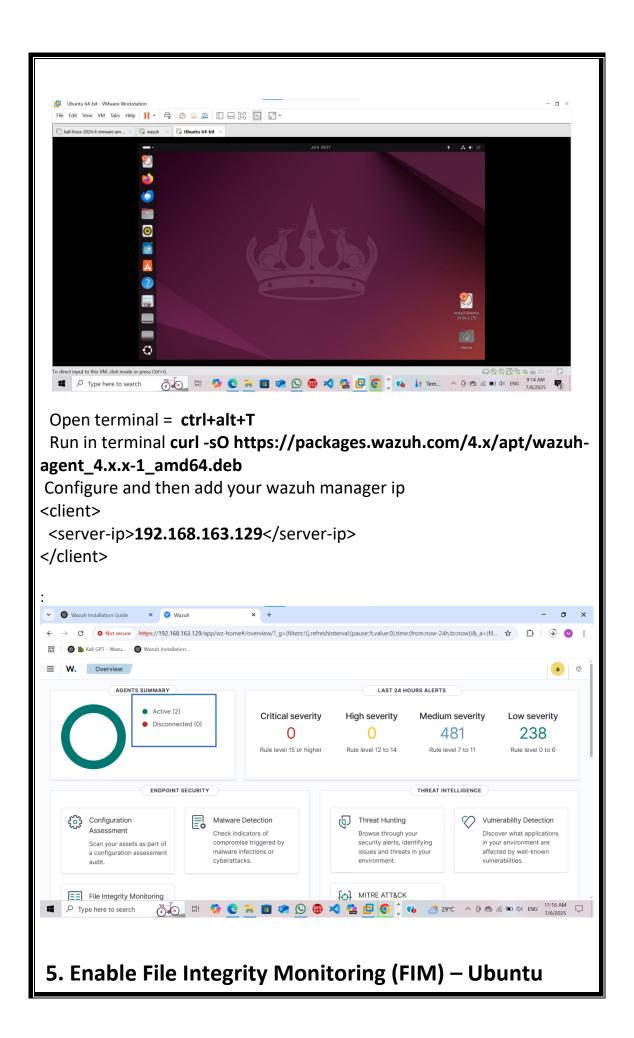


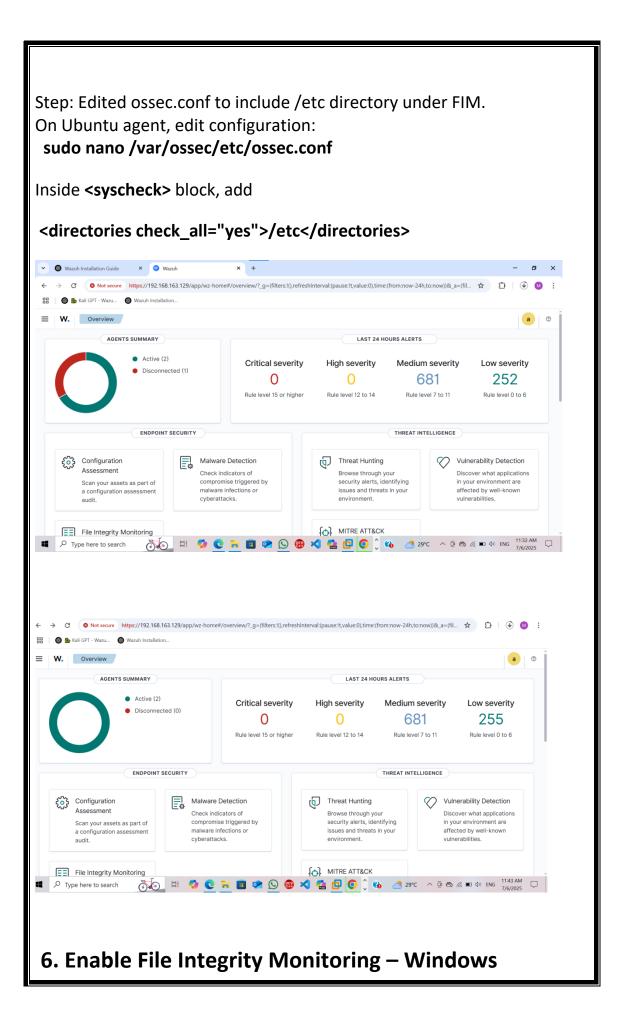
Now, Windows agent listed on the Wazuh dashboard



4. Install Wazuh Agent on Ubuntu

Step: Installed using script and connected agent to Wazuh Manager. Firstly install ubuntu vm

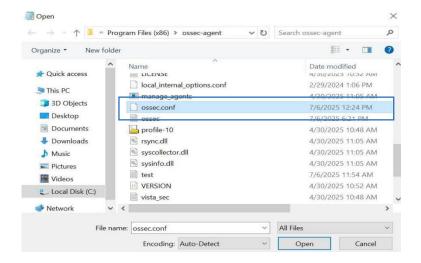




Step: Configured Wazuh agent to monitor C:\Windows\System32 Firstly, open **Notepad** as an **administrator**



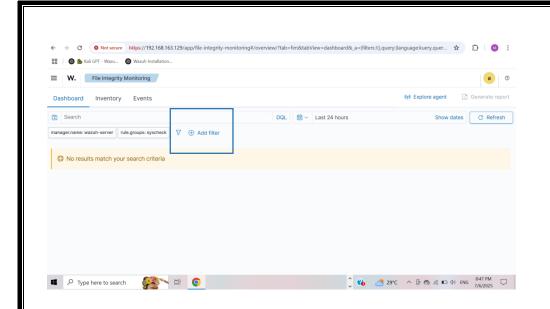
And then open file C:\Program Files (x86)\ossec-agent\ossec.conf



Add: <directories check_all="yes">C:\Windows\System32</directories>



Restart agent from Wazuh Agent Manager



Add filter of your agent and laptop name

7. File Modification & Alert Verification

Step: Modified files in both monitored directories:

Ubuntu: Created testfile.txt in /etc

sudo nano/var/ossec/ossec.conf

```
cossec_config>
cclient>
cserver>
caddress>18.18.90.145
caddress>18.18.90.145
caddress>18.18.90.145
cporto1514
cprotoclotcpe/protocol>
c/server>
config-profile=ubuntu, ubuntu24, ubuntu24.84
config-profile>
cantify_time>10e/notify_time>
config-profile>
cantify_time>10e/notify_time>
cantify_time>10e/no
```

Add: <syscheck>

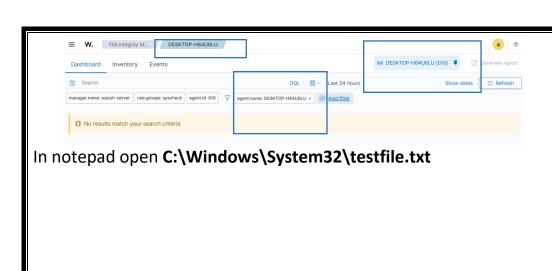
<directories check_all="yes">/etc</directories>
</syscheck>

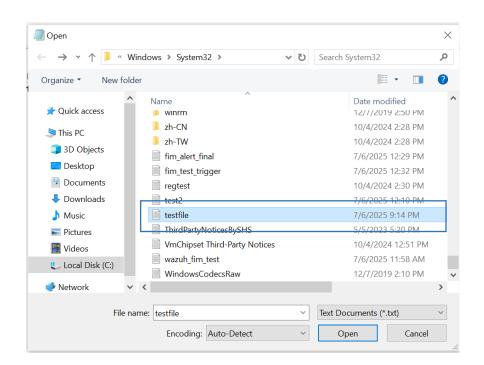
And then restart agent

Windows: Created testfile.txt in C:\Windows\System32

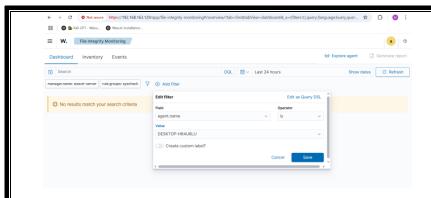
Firstly they show no alerts

And then wo add file which is given below





and then we add filter in wazuh and also generate agent



Threat Hunting:

Threat hunting in wazuh is actively searching through your security data to detect malicious activity like malware, reconnaissance etc.

Go to:

Security events ->threat hunting

