



# wazuh.

## **Wazuh – Suricata IDS Network Intrusion Detection**

**Lab Created By: MUHAMMAD MOIZ UD DIN RAFAY**

**Follow Me: [linkedin.com/in/moizuddinrafay](https://www.linkedin.com/in/moizuddinrafay)**

# Integrating Wazuh and Suricata for Enhanced Security Monitoring



**Wazuh** and **Suricata** are powerful open-source security tools that, when integrated, provide a robust and comprehensive security monitoring solution. This integration enhances the visibility and detection capabilities of an organization's security infrastructure by combining network and host-based monitoring.

## *Overview of the Integration*

### 1. Data Collection and Analysis:

**Suricata** acts as a network-based intrusion detection and prevention system (IDS/IPS) that monitors network traffic for suspicious activity. It inspects incoming and outgoing packets, identifies potential threats using signature-based detection and anomaly detection techniques, and generates alerts for detected threats.

**Wazuh** serves as a centralized security management platform that collects logs from various sources, including Suricata. It processes these logs, correlates them with other security events, and provides comprehensive analysis and reporting.

### 2. Unified Threat Detection:

Suricata's network traffic alerts are sent to Wazuh for aggregation and correlation. Wazuh can then combine these network-based alerts with logs and events from endpoints and other sources, providing a holistic view of the security posture.

This unified approach enables security teams to detect complex threats that span both network and host environments, improving the overall detection accuracy and reducing false positives.

### **3. Incident Response and Forensics:**

By leveraging Suricata's detailed network traffic analysis and Wazuh's extensive log management capabilities, organizations can conduct thorough investigations into security incidents.

Wazuh provides tools for incident response, such as real-time alerting, automated actions, and detailed reports, which are enriched with data from Suricata. This facilitates a faster and more effective response to threats.

### **4. Scalability and Flexibility:**

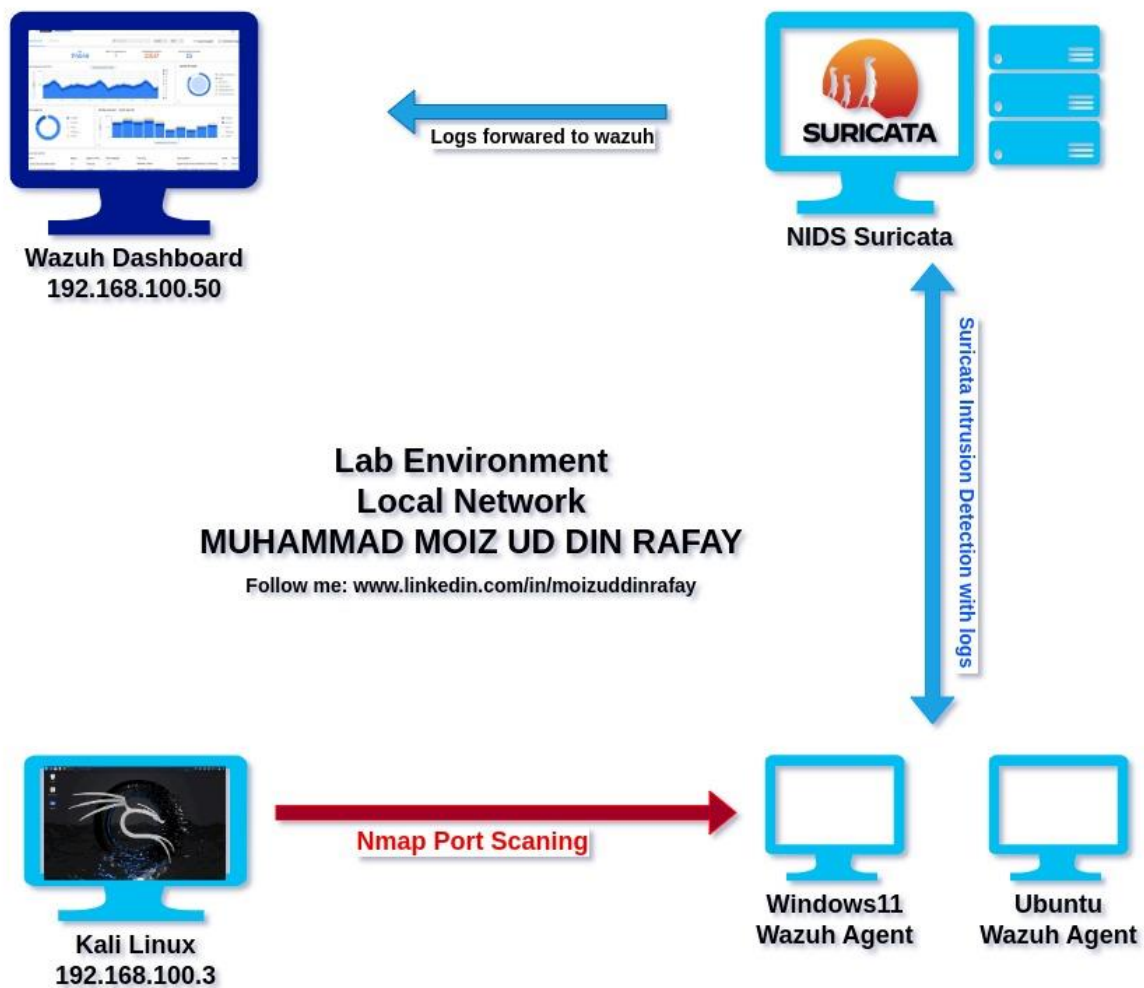
Both Wazuh and Suricata are designed to scale horizontally, making them suitable for deployment in environments of any size. Their integration allows organizations to expand their security monitoring capabilities without significant reconfiguration.

The flexibility of both tools ensures they can be tailored to specific organizational needs, allowing for customized rules, alerting mechanisms, and reporting formats.

### **5. Enhanced Visibility and Correlation:**

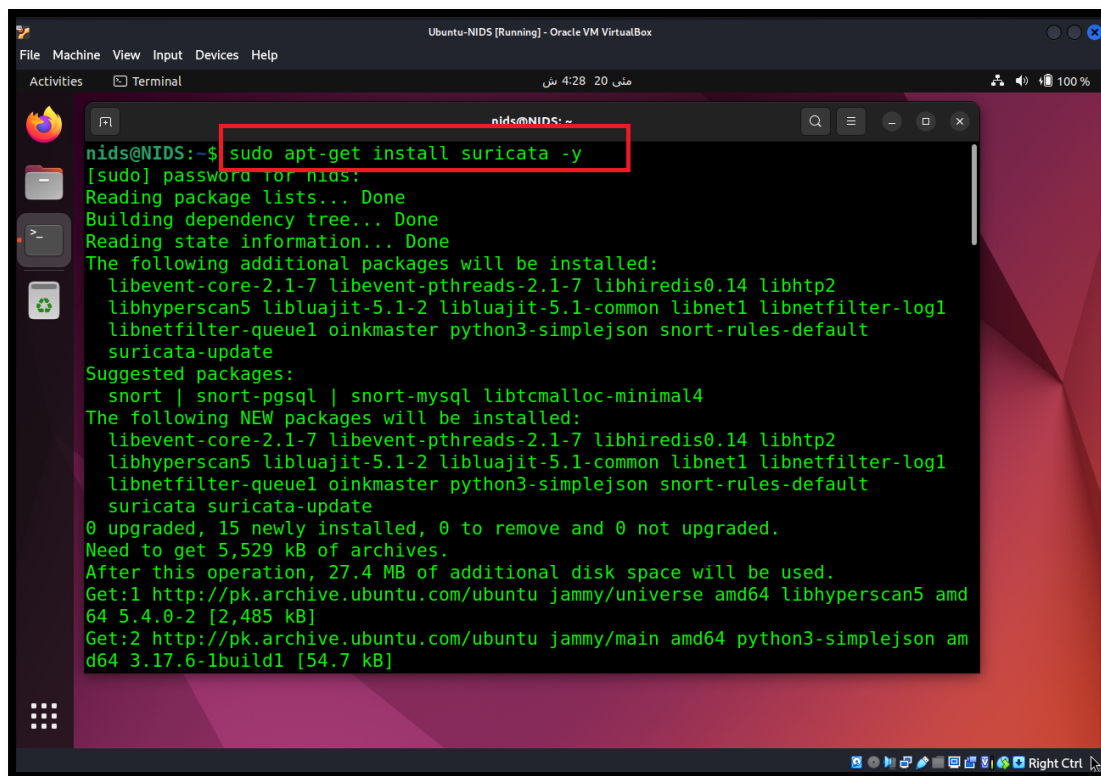
The integration allows for enhanced visibility into both network and endpoint activities. Wazuh's dashboard can display Suricata alerts alongside other security events, providing a single pane of glass for security monitoring.

Correlating Suricata's network-based alerts with Wazuh's host-based data can uncover sophisticated attack patterns and help identify the root cause of security incidents.



I installed new “Ubuntu-NIDS” virtual machine in my network and installing Suricata IDS on new machine.

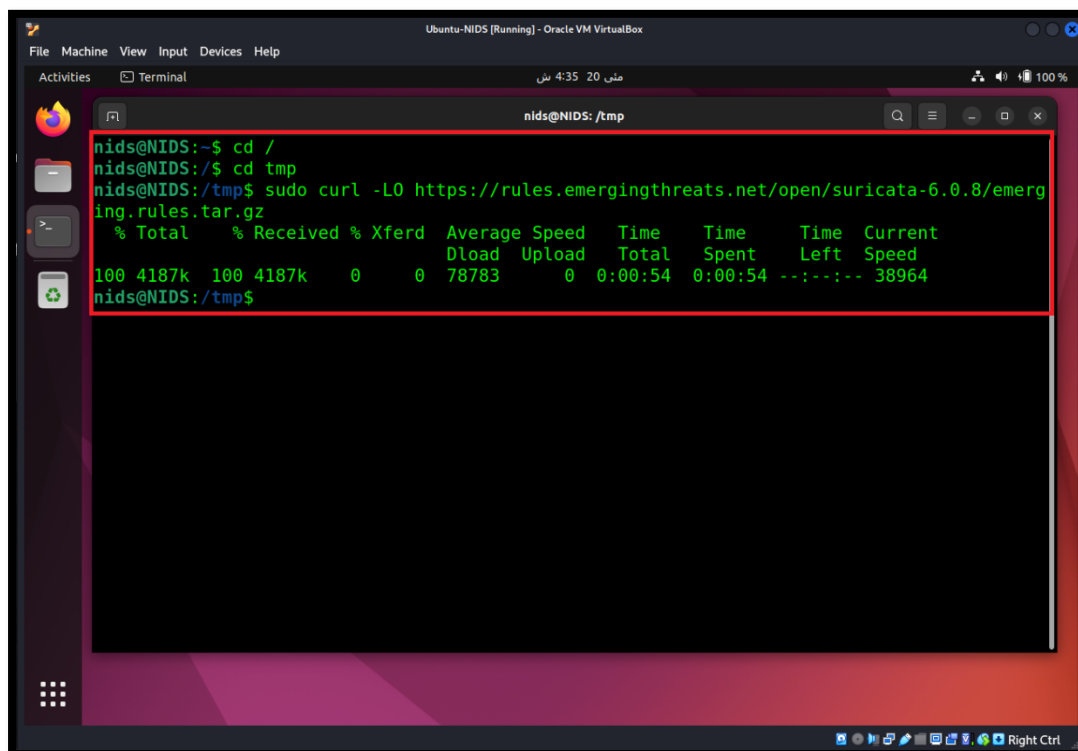
Command: `sudo apt install suricata -y`



The screenshot shows a terminal window titled "nids@NIDS: ~" within an "Ubuntu-NIDS [Running] - Oracle VM VirtualBox" environment. The command `sudo apt-get install suricata -y` has been executed. The output shows the package lists, dependency tree, and state information. It lists additional packages to be installed, suggested packages, and the new packages to be installed. The disk space requirements are also shown.

```
nids@NIDS:~$ sudo apt-get install suricata -y
[sudo] password for nids:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libevent-core-2.1-7 libevent-pthreads-2.1-7 libhiredis0.14 libhttp2
  libhyperscan5 liblua5.1-2 liblua5.1-common libnet1 libnetfilter-log1
  libnetfilter-queue1 oinkmaster python3-simplejson snort-rules-default
  suricata suricata-update
Suggested packages:
  snort | snort-pgsql | snort-mysql libtcmalloc-minimal4
The following NEW packages will be installed:
  libevent-core-2.1-7 libevent-pthreads-2.1-7 libhiredis0.14 libhttp2
  libhyperscan5 liblua5.1-2 liblua5.1-common libnet1 libnetfilter-log1
  libnetfilter-queue1 oinkmaster python3-simplejson snort-rules-default
  suricata suricata-update
0 upgraded, 15 newly installed, 0 to remove and 0 not upgraded.
Need to get 5,529 kB of archives.
After this operation, 27.4 MB of additional disk space will be used.
Get:1 http://pk.archive.ubuntu.com/ubuntu jammy/universe amd64 libhyperscan5 amd64 5.4.0-2 [2,485 kB]
Get:2 http://pk.archive.ubuntu.com/ubuntu jammy/main amd64 python3-simplejson amd64 3.17.6-1build1 [54.7 kB]
```

After installing we have to download suricata rules, follow as shown.



The screenshot shows a terminal window titled "nids@NIDS: /tmp" within the same virtual machine environment. The user has navigated to the /tmp directory and executed the command `sudo curl -LO https://rules.emergingthreats.net/open/suricata-6.0.8/emerging.rules.tar.gz`. The output shows the download progress and speed.

```
nids@NIDS:~$ cd /
nids@NIDS:/$ cd tmp
nids@NIDS:/tmp$ sudo curl -LO https://rules.emergingthreats.net/open/suricata-6.0.8/emerging.rules.tar.gz
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           Dload  Upload    Total   Spent    Left   Speed
100 4187k  100 4187k    0     0  78783      0  0:00:54  0:00:54 --:--:-- 38964
nids@NIDS:/tmp$
```

Here is the downloaded file of suricata rules “emerging.rules.tar.gz”

```
nids@NIDS: /tmp
nids@NIDS:~$ cd /
nids@NIDS:/$ cd tmp
nids@NIDS:/tmp$ sudo curl -LO https://rules.emergingthreats.net/open/suricata-6.0.8/emerging.rules.tar.gz
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
100 4187k  100 4187k    0     0  78783      0  0:00:54  0:00:54 --:--:-- 38964
nids@NIDS:/tmp$ ls
emerging.rules.tar.gz
snap-private-tmp
systemd-private-b133c0b7ed9241d8904fe93038ac9943-colord.service-wLnLhu
systemd-private-b133c0b7ed9241d8904fe93038ac9943-ModemManager.service-QIrSRR
systemd-private-b133c0b7ed9241d8904fe93038ac9943-power-profiles-daemon.service-ZJ5UG3
systemd-private-b133c0b7ed9241d8904fe93038ac9943-switcheroo-control.service-u1LK8N
systemd-private-b133c0b7ed9241d8904fe93038ac9943-systemd-logind.service-XBqyd6
systemd-private-b133c0b7ed9241d8904fe93038ac9943-systemd-oomd.service-uYs8hi
systemd-private-b133c0b7ed9241d8904fe93038ac9943-systemd-resolved.service-1ZRvno
systemd-private-b133c0b7ed9241d8904fe93038ac9943-systemd-timesyncd.service-XYgEDt
systemd-private-b133c0b7ed9241d8904fe93038ac9943-upower.service-Y7Aim7
VMwareDnD
nids@NIDS:/tmp$
```

Now we have to extract tar.gz file

Command: sudo tar -xvzf emerging.rules.tar.gz

```
nids@NIDS: /tmp
nids@NIDS:/tmp$ sudo tar -xvzf emerging.rules.tar.gz
rules/
rules/3coresec.rules
rules/BSD-License.txt
rules/LICENSE
rules/botcc.portgrouped.rules
rules/botcc.rules
rules/ciarmy.rules
rules/classification.config
rules/compromised-ips.txt
rules/compromised.rules
rules/drop.rules
rules/dshield.rules
rules/emerging-activex.rules
rules/emerging-adware_pup.rules
rules/emerging-attack_response.rules
rules/emerging-chat.rules
rules/emerging-coinminer.rules
rules/emerging-current_events.rules
rules/emerging-deleted.rules
rules/emerging-dns.rules
rules/emerging-dos.rules
rules/emerging-exploit.rules
rules/emerging-exploit_kit.rules
```

Now we have to move rules into suricata rules directory and give the permission to all rules. Follow as shown in figure.

```
nids@NIDS: /etc/suricata
nids@NIDS:/tmp$ sudo mv rules/*.rules /etc/suricata/rules/
nids@NIDS:/tmp$ cd ..
nids@NIDS:/$ cd etc/suricata/
nids@NIDS:/etc/suricata$ ls
classification.config  reference.config  rules  suricata.yaml  threshold.config
nids@NIDS:/etc/suricata$ sudo chmod 777 /rules/*.rules
chmod: cannot access '/rules/*.rules': No such file or directory
nids@NIDS:/etc/suricata$ sudo chmod 777 rules/*.rules
nids@NIDS:/etc/suricata$
```

Now we have to configure suricata according to our network setting.

```
nids@NIDS: /etc/suricata
nids@NIDS:/etc/suricata$ ls
classification.config  reference.config  rules  suricata.yaml  threshold.config
nids@NIDS:/etc/suricata$ sudo nano suricata.yaml
```

Here is “suricata.yaml” configuration file. We have to Edit “HOME\_NET” and “EXTERNAL\_NET” follow same as shown in figure.

```
nids@NIDS: /etc/suricata
GNU nano 6.2 suricata.yaml
%YAML 1.1
---
# Suricata configuration file. In addition to the comments describing all
# options in this file, full documentation can be found at:
# https://suricata.readthedocs.io/en/latest/configuration/suricata-yaml.html
##
## Step 1: Inform Suricata about your network
##
vars:
  # more specific is better for alert accuracy and performance
  address-groups:
    HOME_NET: "[192.168.0.0/16,10.0.0.0/8,172.16.0.0/12]"
    #HOME_NET: "[192.168.0.0/16]"
    #HOME_NET: "[10.0.0.0/8]"
    #HOME_NET: "[172.16.0.0/12]"
    #HOME_NET: "any"

[ Read 1895 lines ]
^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location
^X Exit      ^R Read File  ^\ Replace    ^U Paste      ^J Justify    ^_ Go To Line
```

Make sure you are following according to your own network.

```
nids@NIDS: /etc/suricata
GNU nano 6.2 suricata.yaml *
# options in this file, full documentation can be found at:
# https://suricata.readthedocs.io/en/latest/configuration/suricata-yaml.html

##
## Step 1: Inform Suricata about your network
##

vars:
  # more specific is better for alert accuracy and performance
  address-groups:
    #HOME_NET: "[192.168.0.0/16,10.0.0.0/8,172.16.0.0/12]"
    HOME_NET: "[192.168.100.0/24]"
    #HOME_NET: "[10.0.0.0/8]"
    #HOME_NET: "[172.16.0.0/12]"
    #HOME_NET: "any"

    #EXTERNAL_NET: "!$HOME_NET"
    EXTERNAL_NET: "any"

  HTTP_SERVERS: "$HOME_NET"

^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location
^X Exit      ^R Read File  ^N Replace    ^U Paste      ^J Justify    ^_ Go To Line
```

Now scroll down and edit “rule-files:” section. Follow same as shown in figure.

```
nids@NIDS: /etc/suricata
GNU nano 6.2 suricata.yaml *
# See Napatech NTPL documentation other hashmodes and details on their use.
#
# This parameter has no effect if auto-config is disabled.
#
hashmode: hash5tuplesorted

##
## Configure Suricata to load Suricata-Update managed rules.
##

default-rule-path: /etc/suricata/rules

rule-files:
- "*.rules"

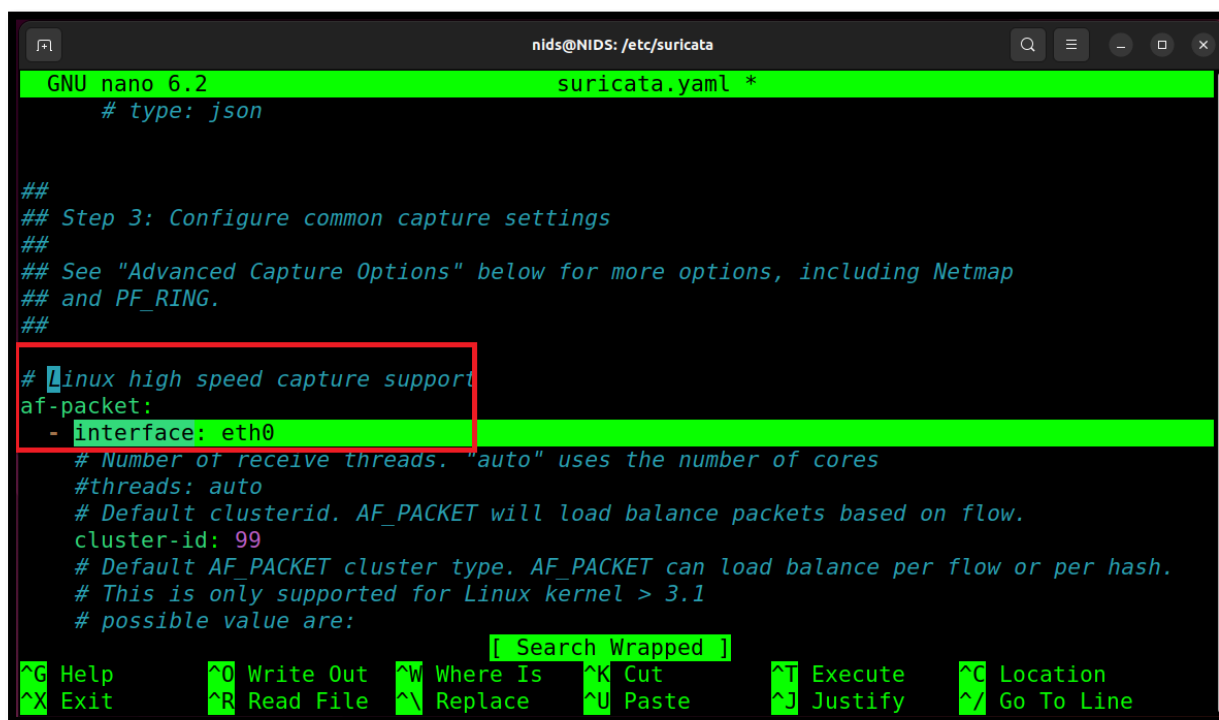
##
## Auxiliary configuration files.
##

classification-file: /etc/suricata/classification.config

^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location
^X Exit      ^R Read File  ^N Replace    ^U Paste      ^J Justify    ^_ Go To Line
```



Now edit the interface configuration



```
nids@NIDS: /etc/suricata
GNU nano 6.2 suricata.yaml *
# type: json

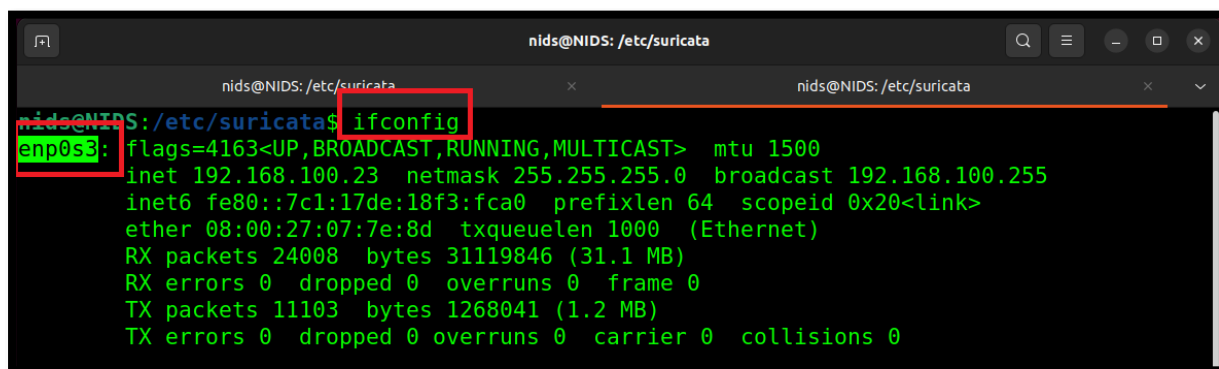
##
## Step 3: Configure common capture settings
##
## See "Advanced Capture Options" below for more options, including Netmap
## and PF_RING.
##

# Linux high speed capture support
af-packet:
- interface: eth0
  # Number of receive threads. "auto" uses the number of cores
  #threads: auto
  # Default clusterid. AF_PACKET will load balance packets based on flow.
  cluster-id: 99
  # Default AF_PACKET cluster type. AF_PACKET can load balance per flow or per hash.
  # This is only supported for Linux kernel > 3.1
  # possible value are:
  # AF_PACKET_CLUSTER_TYPE_FLOW
  # AF_PACKET_CLUSTER_TYPE_HASH

[ Search Wrapped ]
^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location
^X Exit      ^R Read File ^N Replace   ^U Paste     ^J Justify   ^_ Go To Line
```

Find network interface in my case it's "enp0s3"

Command: ifconfig



```
nids@NIDS: /etc/suricata$ ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.100.23 netmask 255.255.255.0 broadcast 192.168.100.255
    inet6 fe80::7c1:17de:18f3:fca0 prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:07:7e:8d txqueuelen 1000 (Ethernet)
    RX packets 24008 bytes 31119846 (31.1 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 11103 bytes 1268041 (1.2 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

```
nids@NIDS: /etc/suricata
GNU nano 6.2 suricata.yaml *
# type: json

##
## Step 3: Configure common capture settings
##
## See "Advanced Capture Options" below for more options, including Netmap
## and PF_RING.
##

# Linux high speed capture support
af-packet:
- interface: enp0s3
  # Number of receive threads. "auto" uses the number of cores
  #threads: auto
  # Default clusterid. AF_PACKET will load balance packets based on flow.
  cluster-id: 99
  # Default AF_PACKET cluster type. AF_PACKET can load balance per flow or per hash.
  # This is only supported for Linux kernel > 3.1
  # possible value are:

^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location
^X Exit      ^R Read File ^N Replace   ^U Paste     ^J Justify   ^_ Go To Line
```

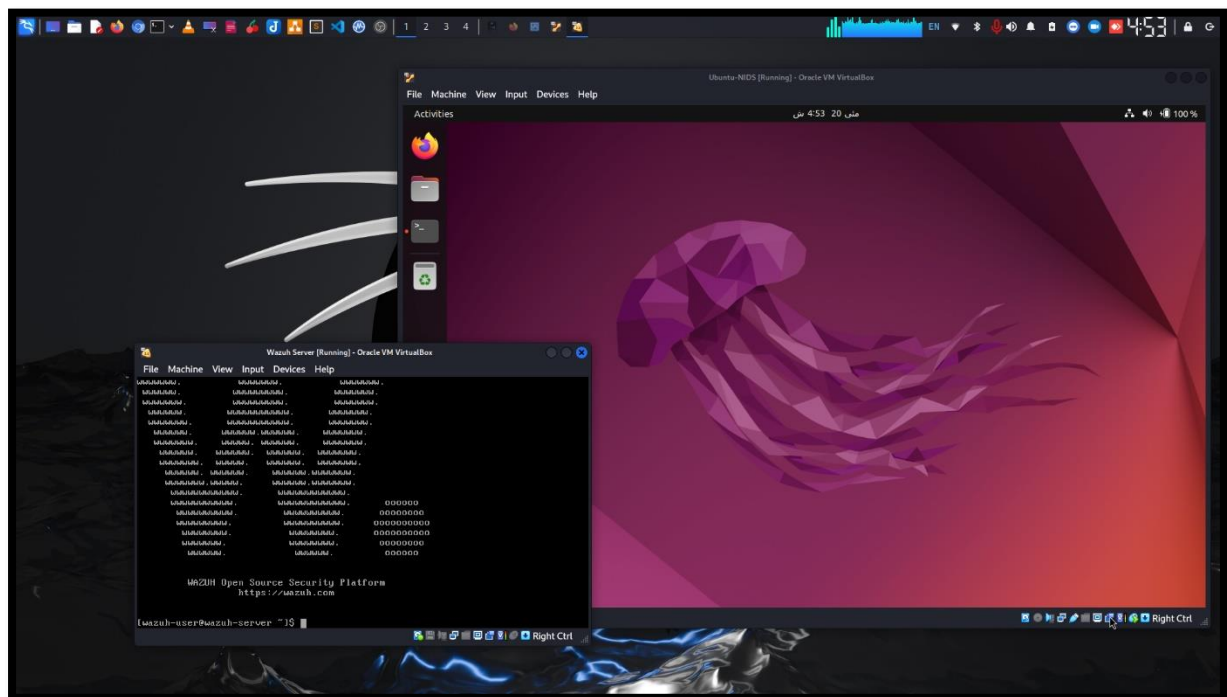
Now save the configuration and restart suricata.

Command: `sudo systemctl restart suricata`

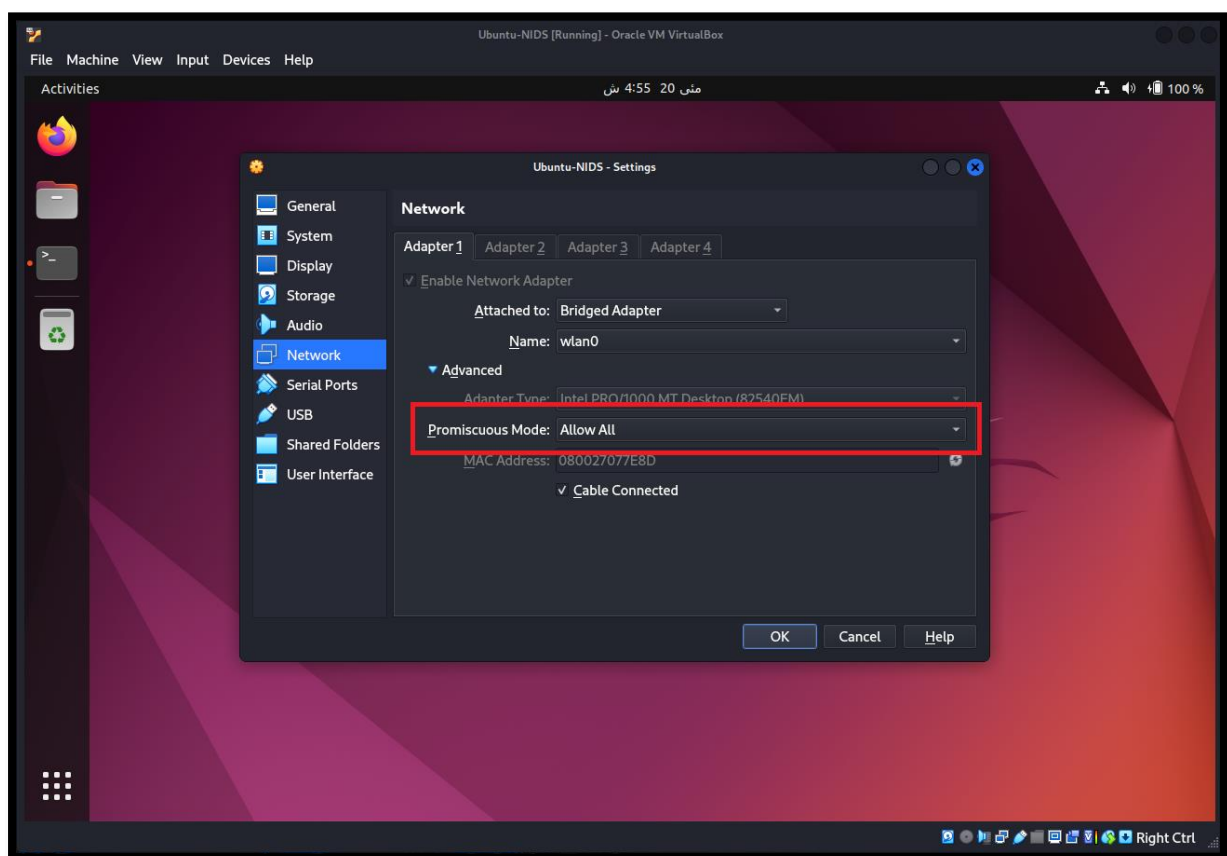
Command: `sudo systemctl enable suricata` (For enable at boot time)

```
nids@NIDS: ~
nids@NIDS:/etc/suricata$ ls
classification.config  reference.config  rules  suricata.yaml  threshold.config
nids@NIDS:/etc/suricata$ sudo nano suricata.yaml
nids@NIDS:/etc/suricata$ cd
nids@NIDS:~$ sudo systemctl restart suricata
nids@NIDS:~$ sudo systemctl enable suricata
Synchronizing state of suricata.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable suricata
nids@NIDS:~$
```

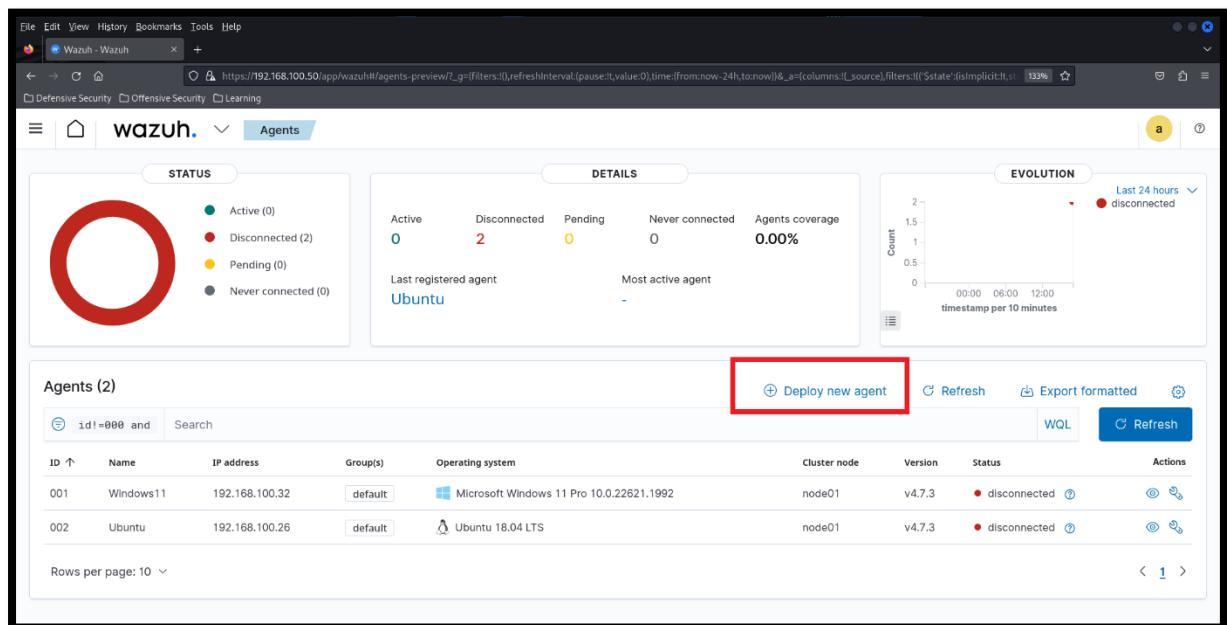
Now open Wazuh and configure agent.



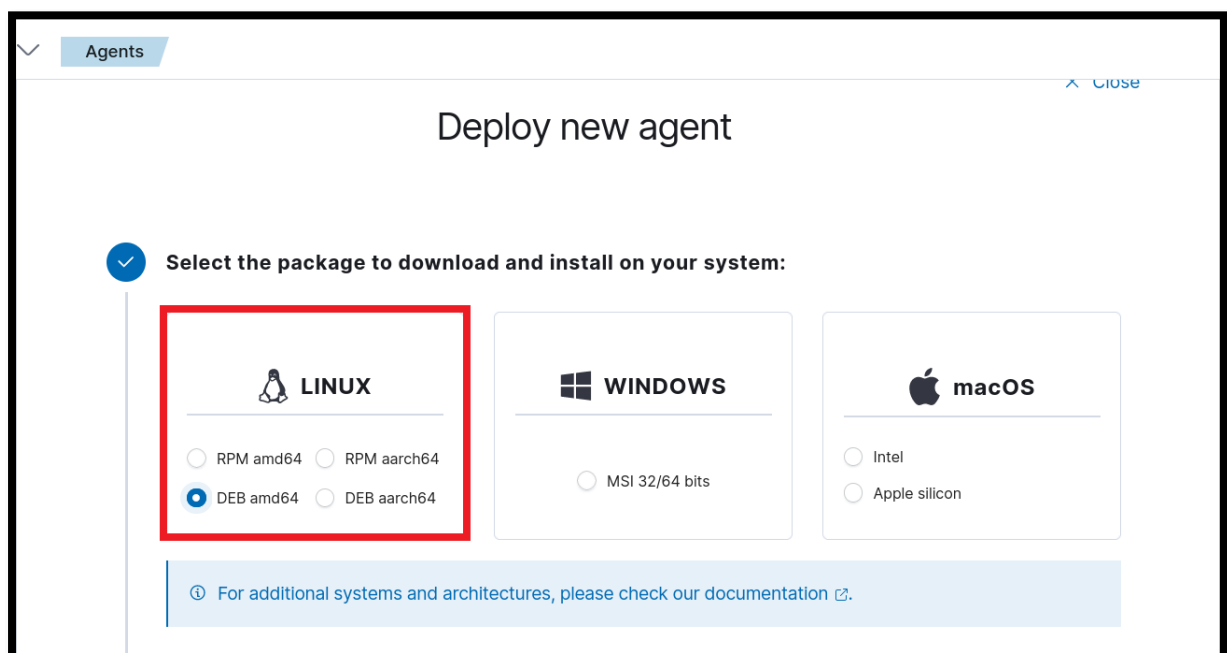
Before moving on wazuh we have to enable “Promiscuous Mode” Allow All.



Go to Wazuh Dashboard and click on “Deploy new agent”



Now chose Linux (DEB amd64) if you are using ubuntu os.



Agents

4 Run the following commands to download and install the agent:

```
wget https://packages.wazuh.com/4.x/apt/pool/main/w/wazuh-agent/wazuh-agent_4.7.3-1_amd64.deb &&
sudo WAZUH_MANAGER='192.168.100.50' WAZUH_AGENT_NAME='NIDS' dpkg -i ./wazuh-agent_4.7.3-1_amd64.deb
```

① Requirements

- You will need administrator privileges to perform this installation.
- Shell Bash is required.

Keep in mind you need to run this command in a Shell Bash terminal.

5 Start the agent:

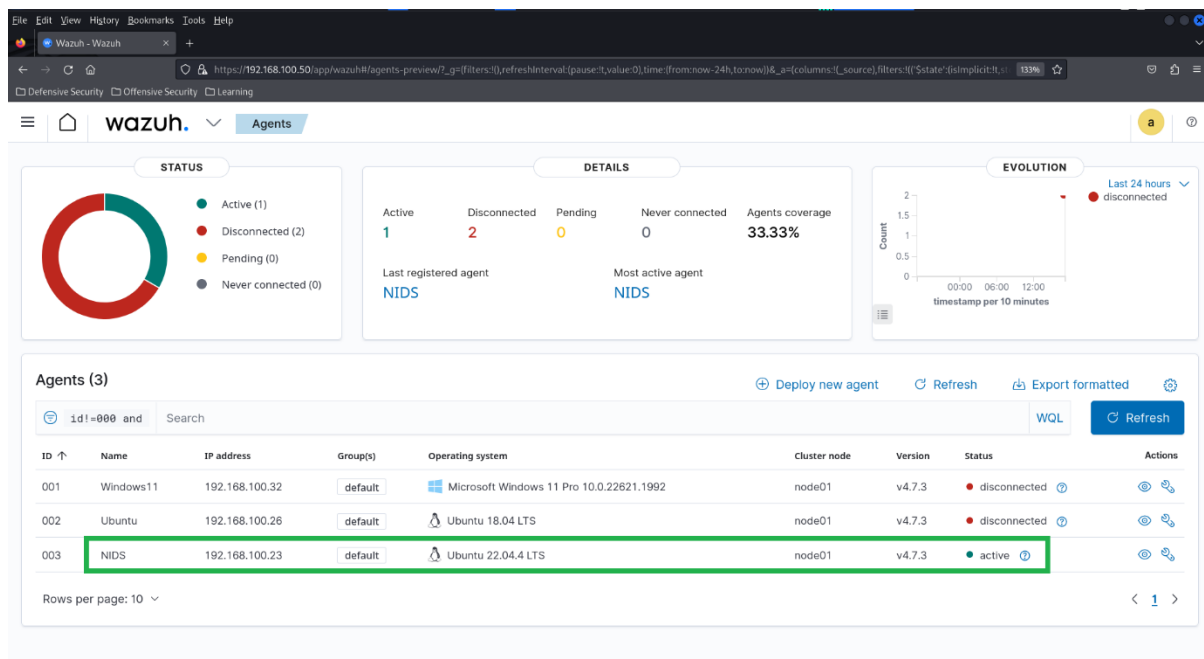
```
sudo systemctl daemon-reload
sudo systemctl enable wazuh-agent
sudo systemctl start wazuh-agent
```

Follow same as shown in figure.

```
nids@NIDS: ~
nids@NIDS:~$ sudo systemctl daemon-reload
nids@NIDS:~$ sudo systemctl enable wazuh-agent
Created symlink /etc/systemd/system/multi-user.target.wants/wazuh-agent.service → /lib/systemd/system/wazuh-agent.service.
nids@NIDS:~$ sudo systemctl start wazuh-agent
nids@NIDS:~$
```

Note: In first lab of Wazuh series I already covered how to configure agents.

You can see new agent is active and deployed.



Now we have to configure suricata logs into Wazuh-agent "ossec.conf" file.

```
root@NIDS: /var/ossec/etc
nids@NIDS:~$ sudo -i
[sudo] password for nids:
root@NIDS:~# cd /var/ossec/etc
root@NIDS:/var/ossec/etc# ls
client.keys          local_internal_options.conf  ossec.conf  wpk_root.pem
internal_options.conf  localtime
root@NIDS:/var/ossec/etc#
```

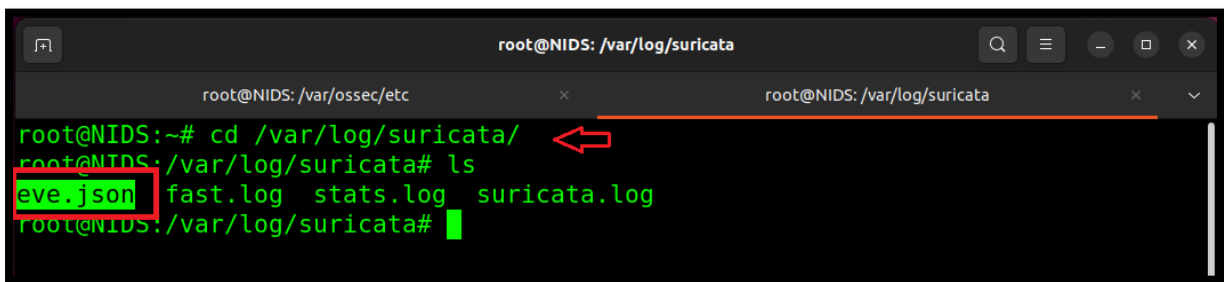
```
GNU nano 6.2 ossec.conf *
<enrollment>
  <enabled>yes</enabled>
  <agent_name>NIDS</agent_name>
  <authorization_pass_path>etc/authd.pass</authorization_pass_path>
</enrollment>
</client>

<client_buffer>
  <!-- Agent buffer options -->
  <disabled>no</disabled>
  <queue_size>5000</queue_size>
  <events_per_second>500</events_per_second>
</client_buffer>

<!-- Policy monitoring -->
<rootcheck>
  <disabled>no</disabled>

^G Help      ^O Write Out ^W Where Is  ^K Cut       ^J Execute  ^C Location
^X Exit      ^R Read File ^M Replace   ^U Paste     ^_ Justify  ^_ Go To Line
```

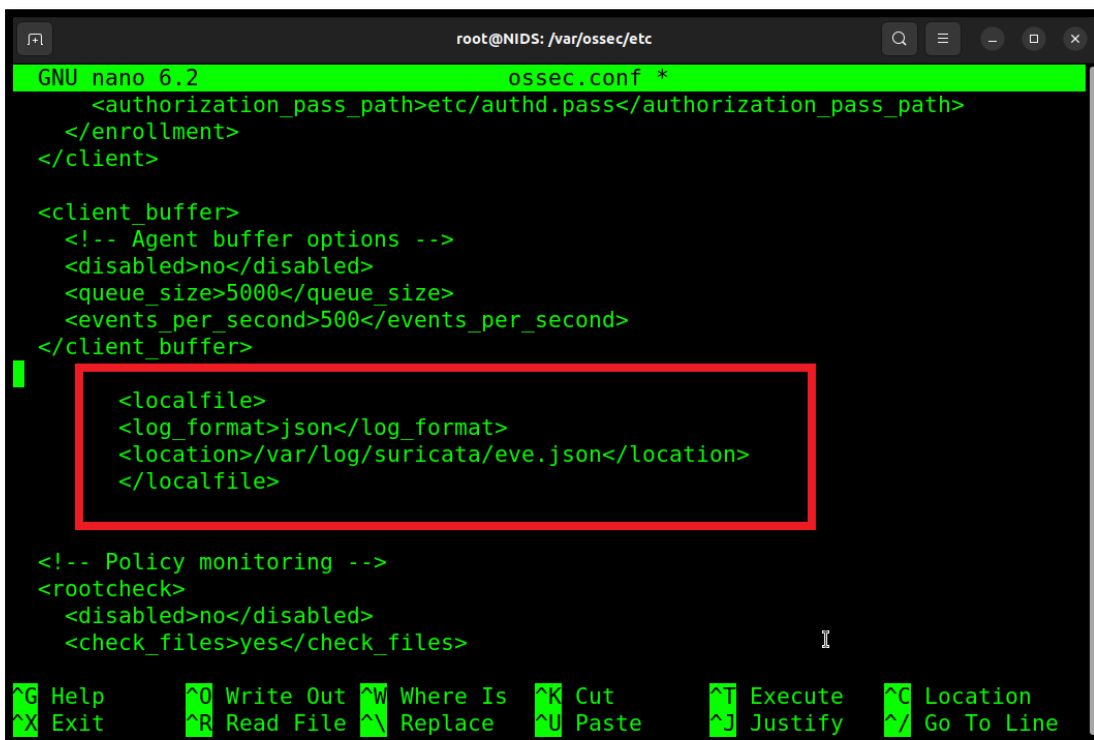
Here is the location of suricata logs “eve.json”



A terminal window titled 'root@NIDS: /var/log/suricata' with two tabs. The active tab shows the command 'cd /var/log/suricata/' followed by 'ls', which lists 'eve.json', 'fast.log', 'stats.log', and 'suricata.log'. The 'eve.json' file is highlighted with a red box. A red arrow points to the 'cd' command.

```
root@NIDS:~# cd /var/log/suricata/
root@NIDS:/var/log/suricata# ls
eve.json fast.log stats.log suricata.log
root@NIDS:/var/log/suricata#
```

Now configure suricata logs into “ossec.conf” file.s



A terminal window titled 'root@NIDS: /var/ossec/etc' showing the 'ossec.conf' file being edited with nano. The configuration includes a client buffer section and a localfile section. The localfile section is highlighted with a red box and contains the following XML: <localfile>, <log\_format>json</log\_format>, <location>/var/log/suricata/eve.json</location>, and </localfile>. The bottom of the screen shows nano editor shortcuts.

```
GNU nano 6.2 ossec.conf *
<authorization_pass_path>etc/authd.pass</authorization_pass_path>
</enrollment>
</client>

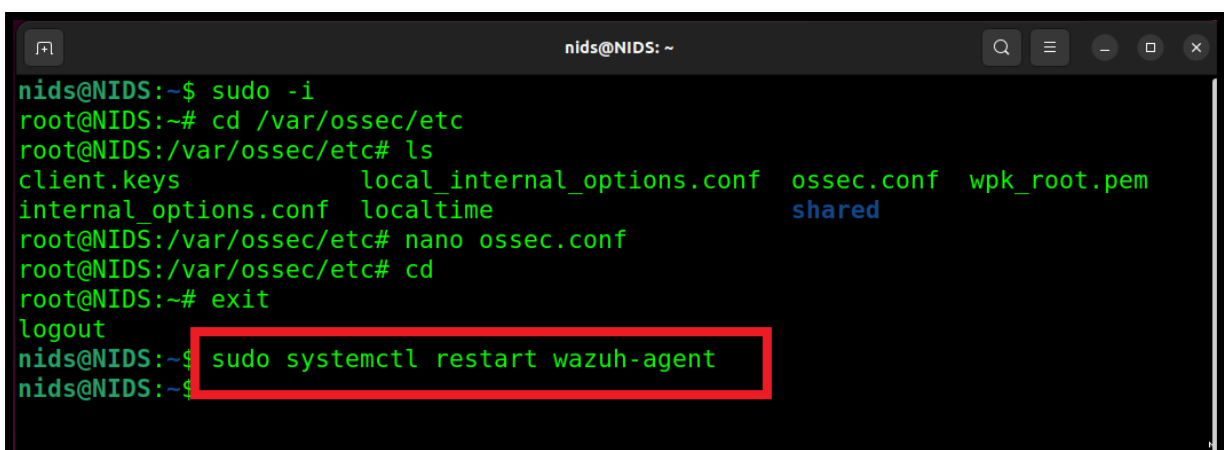
<client_buffer>
<!-- Agent buffer options -->
<disabled>no</disabled>
<queue_size>5000</queue_size>
<events_per_second>500</events_per_second>
</client_buffer>

<localfile>
<log_format>json</log_format>
<location>/var/log/suricata/eve.json</location>
</localfile>

<!-- Policy monitoring -->
<rootcheck>
<disabled>no</disabled>
<check_files>yes</check_files>

^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute  ^C Location
^X Exit      ^R Read File ^N Replace   ^U Paste     ^J Justify  ^_ Go To Line
```

After saving we have to restart wazuh-agent.



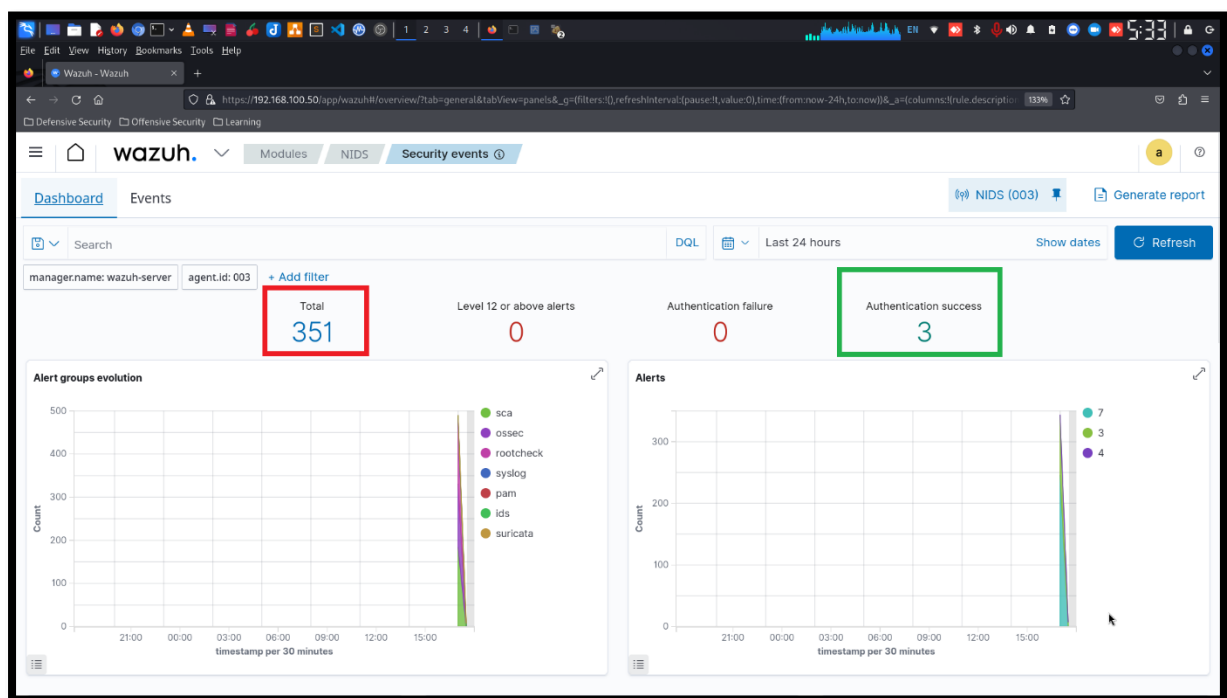
A terminal window titled 'nids@NIDS: ~' showing the process of restarting the wazuh-agent. The user runs 'sudo -i' to become root, then 'cd /var/ossec/etc', lists files, and edits 'ossec.conf'. After exiting root, they run 'sudo systemctl restart wazuh-agent', which is highlighted with a red box.

```
nids@NIDS:~$ sudo -i
root@NIDS:~# cd /var/ossec/etc
root@NIDS:/var/ossec/etc# ls
client.keys          local_internal_options.conf  ossec.conf  wpk_root.pem
internal_options.conf localtime                    shared
root@NIDS:/var/ossec/etc# nano ossec.conf
root@NIDS:/var/ossec/etc# cd
root@NIDS:~# exit
logout
nids@NIDS:~$ sudo systemctl restart wazuh-agent
nids@NIDS:~$
```

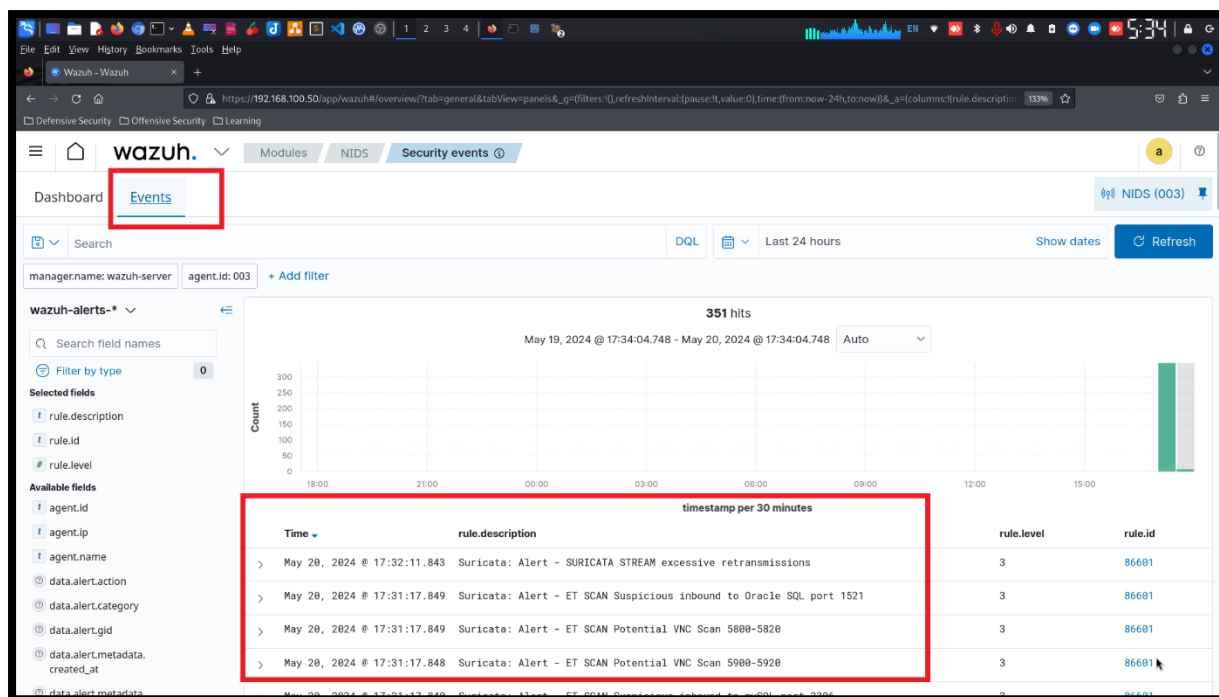
Now launch new terminal in kali linux and perform network scanning with Nmap tool. You can perform any command of nmap.

```
kali@kali: ~  
File Actions Edit View Help  
$ sudo nmap -sT 192.168.100.23  
[sudo] password for kali:  
Starting Nmap 7.94SVN ( https://nmap.org ) at 2024-05-20 17:31 PKT  
Nmap scan report for 192.168.100.23  
Host is up (0.00037s latency).  
All 1000 scanned ports on 192.168.100.23 are in ignored states.  
Not shown: 1000 closed tcp ports (conn-refused)  
MAC Address: 08:00:27:07:7E:8D (Oracle VirtualBox virtual NIC)  
Nmap done: 1 IP address (1 host up) scanned in 0.27 seconds
```

Now go to wazuh dashboard and see the Events.







timestamp per 30 minutes			
Time	rule.description	rule.level	rule.id
> May 20, 2024 @ 17:32:11.843	Suricata: Alert - SURICATA STREAM excessive retransmissions	3	86601
> May 20, 2024 @ 17:31:17.849	Suricata: Alert - ET SCAN Suspicious inbound to Oracle SQL port 1521	3	86601
> May 20, 2024 @ 17:31:17.849	Suricata: Alert - ET SCAN Potential VNC Scan 5800-5820	3	86601
> May 20, 2024 @ 17:31:17.848	Suricata: Alert - ET SCAN Potential VNC Scan 5900-5920	3	86601
> May 20, 2024 @ 17:31:17.840	Suricata: Alert - ET SCAN Suspicious inbound to MySQL port 3306	3	86601
> May 20, 2024 @ 17:31:17.840	Suricata: Alert - ET SCAN Suspicious inbound to PostgreSQL port 5432	3	86601
> May 20, 2024 @ 17:31:17.840	Suricata: Alert - ET SCAN Suspicious inbound to MSSQL port 1433	3	86601
> May 20, 2024 @ 17:28:46.716	Host-based anomaly detection event (rootcheck).	7	510
> May 20, 2024 @ 17:28:46.714	Host-based anomaly detection event (rootcheck).	7	510
> May 20, 2024 @ 17:28:46.712	Host-based anomaly detection event (rootcheck).	7	510
> May 20, 2024 @ 17:28:46.709	Host-based anomaly detection event (rootcheck).	7	510
> May 20, 2024 @ 17:28:46.707	Host-based anomaly detection event (rootcheck).	7	510
> May 20, 2024 @ 17:28:46.704	Host-based anomaly detection event (rootcheck).	7	510
> May 20, 2024 @ 17:28:46.704	Host-based anomaly detection event (rootcheck).	7	510

Modules	NIDS	Security events ⓘ
Table	JSON	
† _index	wazuh-alerts-4.x-2024.05.20	
† agent.id	003	
† agent.ip	192.168.100.23	
† agent.name	NIDS	
† data.alert.action	allowed	
† data.alert.category	Attempted Information Leak	
† data.alert.gid	1	
† data.alert.metadata.created_at	2010_07_30	
† data.alert.metadata.updated_at	2019_07_26	
† data.alert.rev	6	
† data.alert.severity	2	
† data.alert.signature	ET SCAN Potential VNC Scan 5800-5820	
† data.alert.signature_id	2002910	
† data.dest_ip	192.168.100.23	

Modules	NIDS	Security events ⓘ
† data.dest_port	5800	
† data.event_type	alert	
† data.flow.bytes_toclient	0	
† data.flow.bytes_toserver	74	
† data.flow.pkts_toclient	0	
† data.flow.pkts_toserver	1	
† data.flow.start	2024-05-20T17:31:16.203558+0500	
† data.flow_id	14558908652326.000000	
† data.in_iface	enp0s3	
† data.proto	TCP	
† data.src_ip	192.168.100.3	
† data.src_port	51614	
† data.timestamp	May 20, 2024 @ 17:31:16.203	
† decoder.name	json	
† id	1716208277.743550	

I highlighted interesting logs analysis fields here.

‡ decoder.name	json
‡ id	1716208277.743550
‡ input.type	log
‡ location	/var/log/suricata/eve.json
‡ manager.name	wazuh-server
‡ rule.description	Suricata: Alert - ET SCAN Potential VNC Scan 5800-5820
# rule.firedtimes	9
‡ rule.groups	ids, suricata
‡ rule.id	86601
# rule.level	3
🕒 rule.mail	false
📅 timestamp	May 20, 2024 @ 17:31:17.849

## SUMMARY

In summary, Integrating Wazuh and Suricata can provide a comprehensive security solution that leverages the strengths of both platforms. Suricata can be used to monitor network traffic for threats and intrusions, while Wazuh can collect and analyze logs from Suricata, correlating network-based events with host-based activities for a holistic view of the security landscape. This integration enables organizations to detect, investigate, and respond to threats more effectively by combining network and endpoint security data into a unified system.