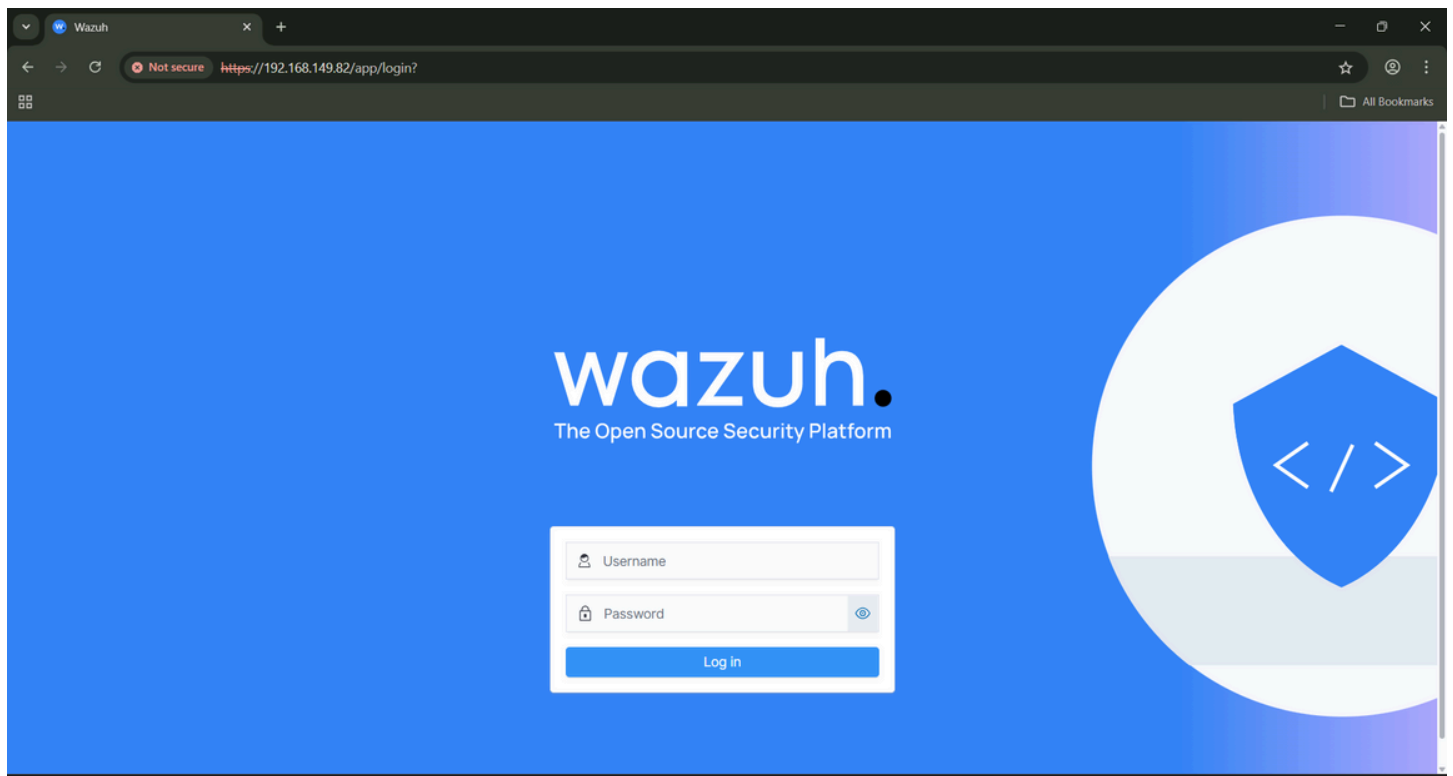
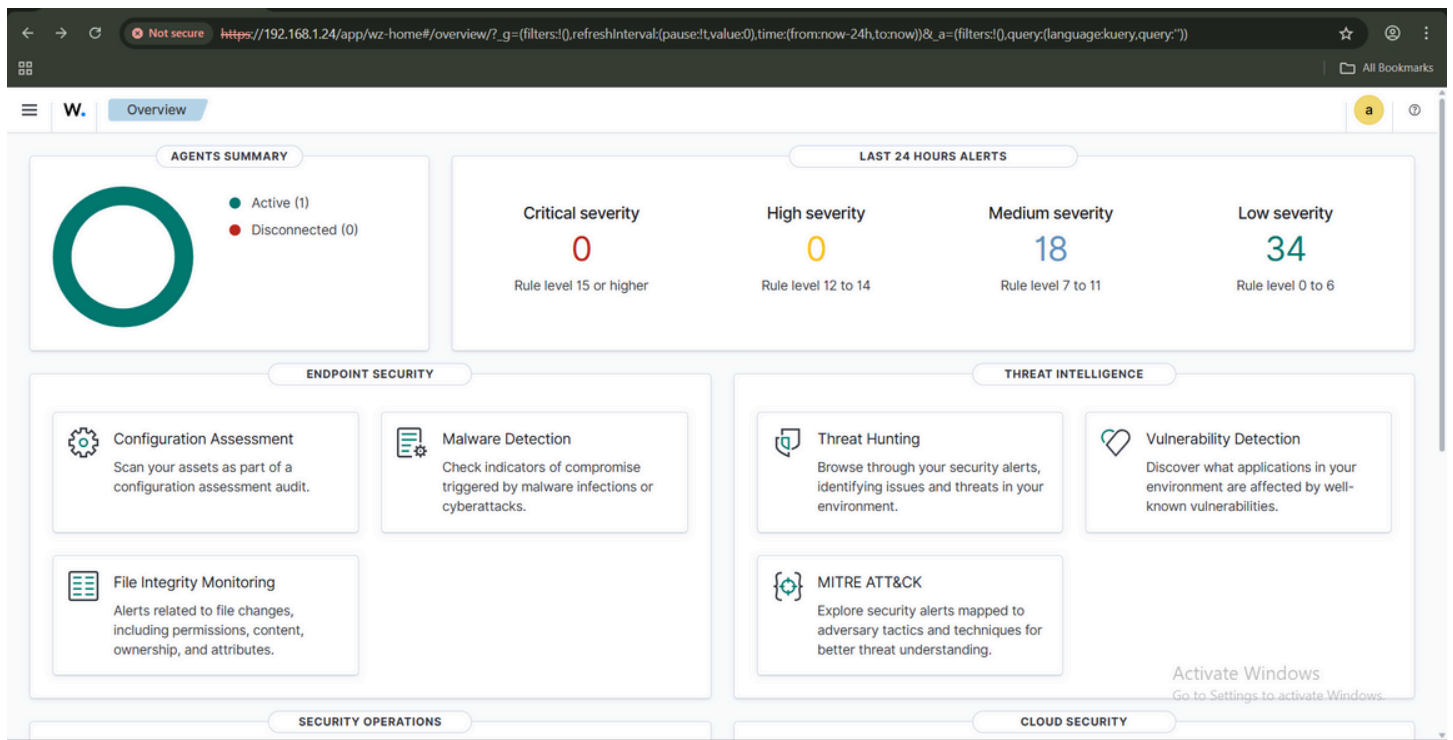


❑ Wazuh - Homelab 🕵️

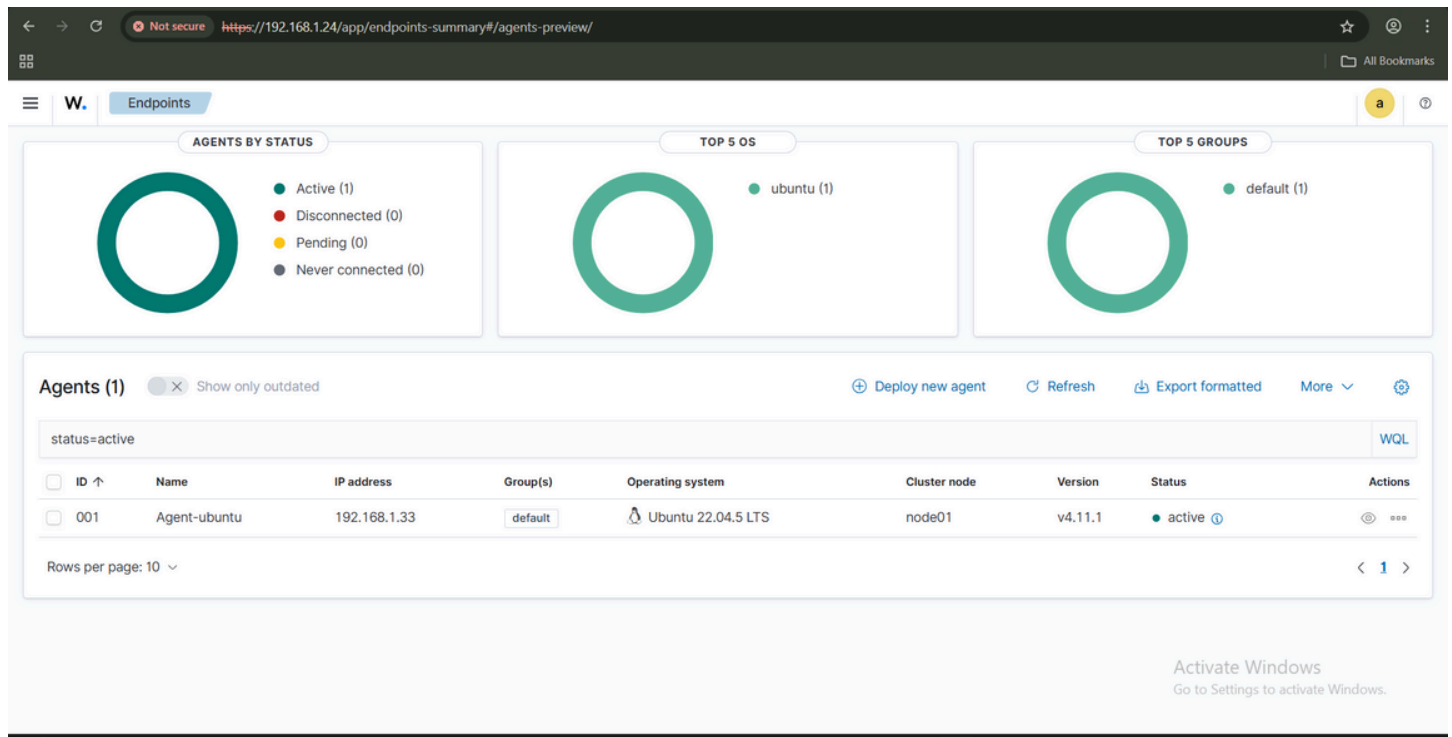
- Wazuh-login page :



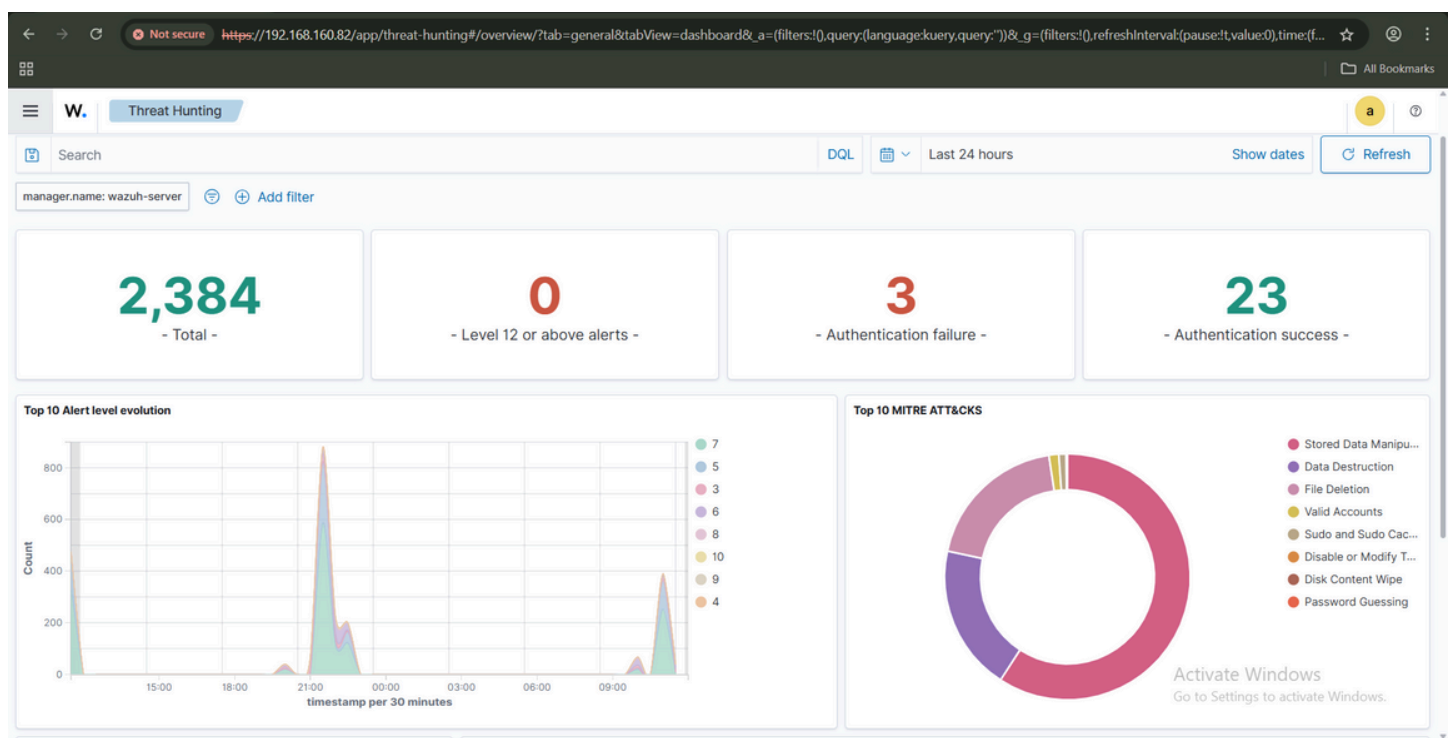
- Wazuh-Home Overview :



- Wazuh-Agent deployed on Ubuntu :



● Threat Hunting Dashboard :



● File Integrity Monitoring:

i) Detected a file added :

Not secure https://192.168.1.24/app/file-integrity-monitoring#/overview?tab=fim&tabView=events&agentId=001&a=(filters:!0,query:(language:kuery.query:""))&g=(filters:!0,refreshInterval:(pause:tv...)

File Integrity M... Agent-ubuntu

Dashboard Inventory Events

Search

manager.name: wazuh-server rule.groups: syscheck agent.id: 001 Add filter

Count

timestamp

Mar 20, 2025 @ 10:18:09.416

Export Formatted 638 available fields Columns Density 1 fields sorted Full screen

timestamp agent.name syscheck.path

Mar 21, 2025 @ 10:17:00.0... Agent-ubuntu /root/samplefile

Mar 21, 2025 @ 09:59:50.4... Agent-ubuntu /root/.sshst

Mar 20, 2025 @ 23:13:44.6... Agent-ubuntu /root/demo

Mar 20, 2025 @ 23:12:15.7... Agent-ubuntu /root/demo

Document Details

View surrounding documents View single document

Table JSON

index	wazuh-alerts-4.x-2025.03.21
agent.id	001
agent.ip	192.168.1.33
agent.name	Agent-ubuntu
decoder.name	syscheck_new_entry
full_log	File '/root/samplefile' added Mode: realtime
id	1742532420.13318
input.type	log
location	syscheck
manager.name	wazuh-server
rule.description	File added to the system.
rule.firedtimes	1
rule.gdpr	II_5.1.f
rule.gpg13	4.11
rule.groups	ossec, syscheck, syscheck_entry_added, syscheck_file
rule.hipaa	164.312.c.1, 164.312.c.2

ii) Detected modified file :

Not secure https://192.168.1.24/app/file-integrity-monitoring#/overview?tab=fim&tabView=events&agentId=001&a=(filters:!0,query:(language:kuery.query:""))&g=(filters:!0,refreshInterval:(pause:tv...)

File Integrity M... Agent-ubuntu

Dashboard Inventory Events

Search

manager.name: wazuh-server rule.groups: syscheck agent.id: 001 Add filter

Count

timestamp

Mar 20, 2025 @ 10:19:08.936

Export Formatted 638 available fields Columns Density 1 fields sorted Full screen

timestamp agent.name syscheck.path

Mar 21, 2025 @ 10:18:56.1... Agent-ubuntu /root/samplefile

Mar 21, 2025 @ 10:17:00.0... Agent-ubuntu /root/samplefile

Mar 21, 2025 @ 09:59:50.4... Agent-ubuntu /root/.sshst

Mar 20, 2025 @ 23:13:44.6... Agent-ubuntu /root/demo

Mar 20, 2025 @ 23:12:15.7... Agent-ubuntu /root/demo

Document Details

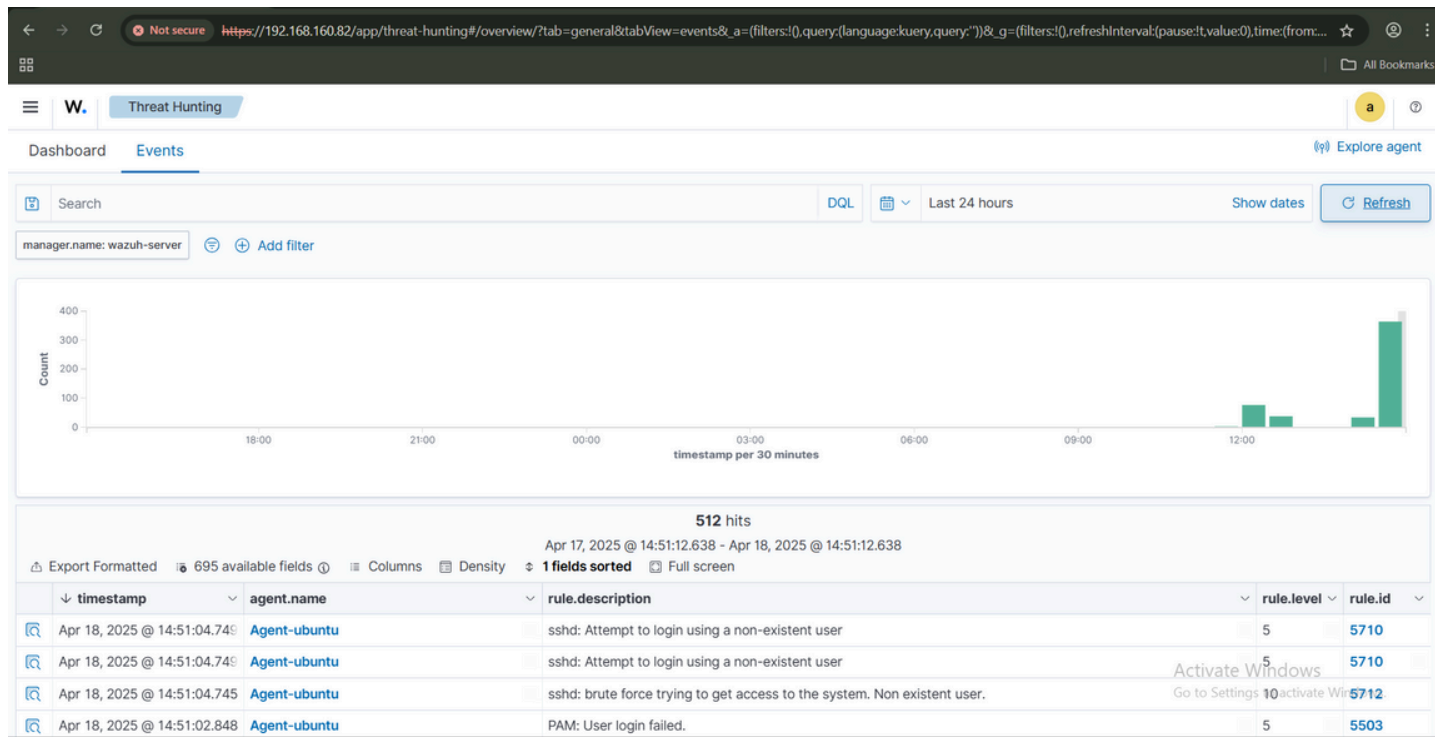
View surrounding documents View single document

Table JSON

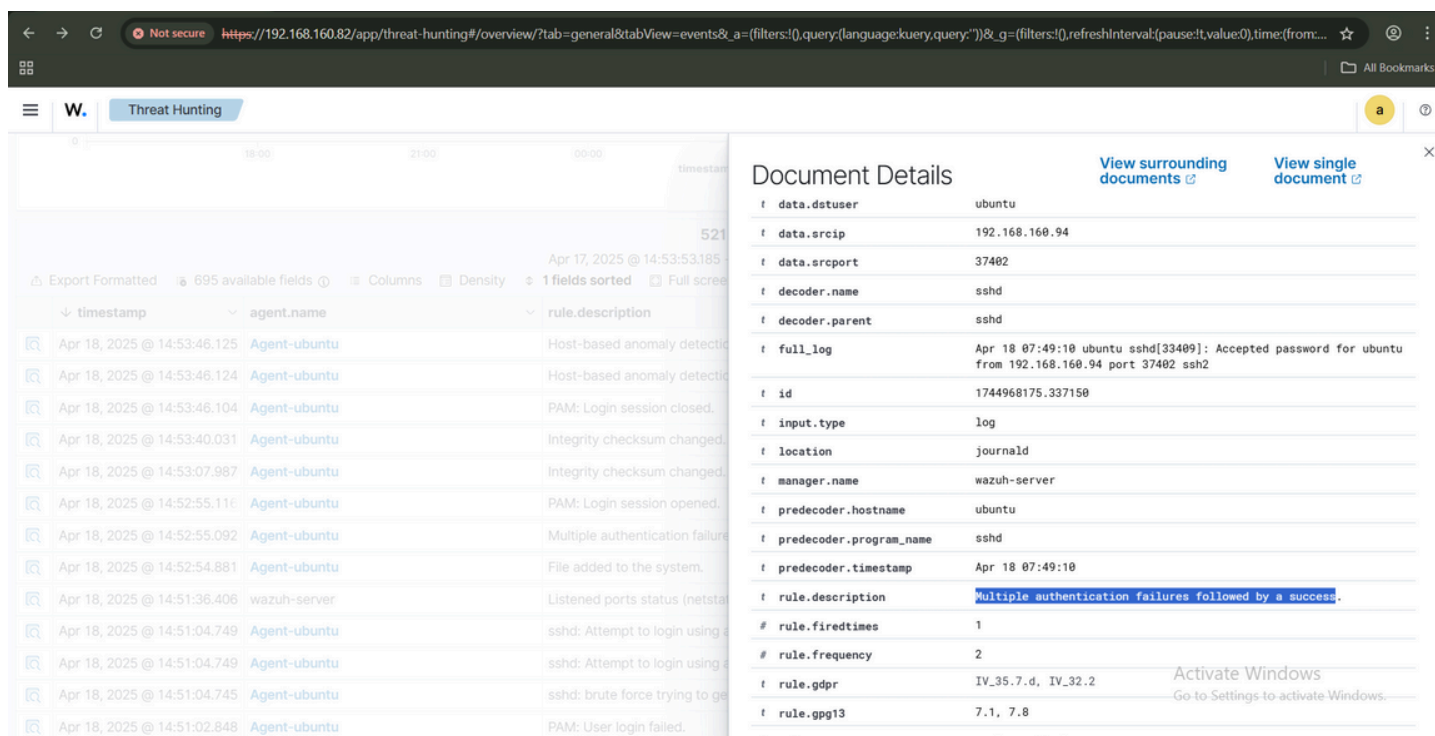
index	wazuh-alerts-4.x-2025.03.21
agent.id	001
agent.ip	192.168.1.33
agent.name	Agent-ubuntu
decoder.name	syscheck_integrity_changed
full_log	File '/root/samplefile' modified Mode: realtime Changed attributes: size,mtime,md5,sha1,sha256 Size changed from '14' to '10' Old modification time was: '1742532420', now it is '1742532539' Old md5sum was: '3eb3a945725de65558cc1376749ff910' New md5sum is: 'a08c40f063e76757fab8b4d4854d43b7'
id	1742532536.14003
input.type	log
location	syscheck
manager.name	wazuh-server
rule.description	Integrity checksum changed.
rule.firedtimes	2
rule.gdpr	II_5.1.f

• Detected Bruteforce Attack :

i) Detected Failed Login attempt :




ii) Detected Successfull login attempt :



• Detected Newly Added User Account :

Threat Hunting Agent-ubuntu



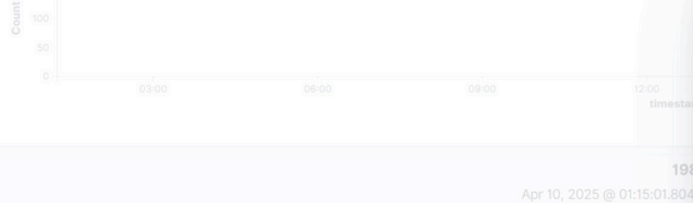
Document Details

t id	1744313821.696875
t input.type	log
t location	journalid
t manager.name	wazuh-server
t predecoder.hostname	ubuntu
t predecoder.program_name	useradd
t predecoder.timestamp	Apr 10 19:37:00
t rule.description	New user added to the system.
# rule.firedtimes	1
t rule.gdpr	IV_35.7.d, IV_32.2
t rule.gpg13	4.13
t rule.groups	syslog, adduser
t rule.hipaa	164.312.b, 164.312.a.2.I, 164.312.a.2.II
t rule.id	5902
# rule.level	8
rule.mail	false
t rule.mitre.id	T1136
t rule.mitre.tactic	Persistence
t rule.mitre.technique	Create Account

timestamp	agent.name	rule.description
Apr 11, 2025 @ 01:07:49.435	Agent-ubuntu	Information from the user wa
Apr 11, 2025 @ 01:07:19.270	Agent-ubuntu	PAM: User changed passwor
Apr 11, 2025 @ 01:07:01.150	Agent-ubuntu	New user added to the syste
Apr 11, 2025 @ 01:07:01.147	Agent-ubuntu	New group added to the syst
Apr 11, 2025 @ 01:05:26.763	Agent-ubuntu	Host-based anomaly detectio
Apr 11, 2025 @ 01:05:26.759	Agent-ubuntu	Host-based anomaly detectio
Apr 11, 2025 @ 01:01:55.207	Agent-ubuntu	SCA summary: CIS Ubuntu Li
Apr 11, 2025 @ 01:01:44.097	Agent-ubuntu	SCA summary: CIS Ubuntu Li

- **Detected Anamolous Network traffic :**

Threat Hunting Agent-ubuntu



Document Details

t id	1744314158.699169
t input.type	log
t location	netstat listening ports
t manager.name	wazuh-server
t previous_log	tcp6 :::8834 :::* /11/nessusd tcp 127.0.0.1:35785 0.0.0.0:* 4880/agent-manager tcp 127.0.0.1:38759 0.0.0.0:* 4880/agent-manager tcp 127.0.0.1:38831 0.0.0.0:* 4873/identity udp 0.0.0.0:39538 0.0.0.0:* 591/avahi-daemon tcp 127.0.0.1:46719 0.0.0.0:* 4873/identity udp6 :::53976 :::* 591/avahi-daemon
t previous_output	Previous output: ossec: output: 'netstat listening ports': tcp 127.0.0.53:53 0.0.0.0:* 350/system-resolve udp 127.0.0.53:53 0.0.0.0:* 350/system-resolve tcp6 :::80 :::* 746/apache2 tcp 127.0.0.1:631 0.0.0.0:* 693/cupsd tcp6 :::1631 :::* 693/cupsd
t rule.description	Listened ports status (netstat) changed (new port opened or close d).
# rule.firedtimes	3
t rule.gdpr	IV_35.7.d
t rule.gpg13	10.1

timestamp	agent.name	rule.description
Apr 11, 2025 @ 01:14:49.620	Agent-ubuntu	Host-based anomaly detectio
Apr 11, 2025 @ 01:14:49.620	Agent-ubuntu	Host-based anomaly detectio
Apr 11, 2025 @ 01:12:38.450	Agent-ubuntu	Listened ports status (netstat)
Apr 11, 2025 @ 01:10:41.680	Agent-ubuntu	Host-based anomaly detectio
Apr 11, 2025 @ 01:10:41.684	Agent-ubuntu	Host-based anomaly detectio
Apr 11, 2025 @ 01:07:49.435	Agent-ubuntu	Information from the user wa
Apr 11, 2025 @ 01:07:19.270	Agent-ubuntu	PAM: User changed passwor
Apr 11, 2025 @ 01:07:01.150	Agent-ubuntu	New user added to the syste
Apr 11, 2025 @ 01:07:01.147	Agent-ubuntu	New group added to the syst
Apr 11, 2025 @ 01:05:26.763	Agent-ubuntu	Host-based anomaly detectio

- **Monitored the execution of malicious commands:**

Not secure https://192.168.149.82/app/threat-hunting#/overview?tab=general&tabView=events&a=(filters:[0,query:(language:kuery,query:"")])&g=(filters:[0,refreshInterval:(pause:!t,value:0),time:(from:...)

W. Threat Hunting

Dashboard Events

Search

manager.name: wazuh-server

Add filter

Count

timestamp

109

Apr 11, 2025 @ 12:37:56.725

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timestamp	agent.name	rule.description
Apr 12, 2025 @ 12:37:33.331	wazuh-server	CIS Benchmark for Amazon L
Apr 12, 2025 @ 12:37:29.268	Agent-ubuntu	netcat listening for incoming
Apr 12, 2025 @ 12:37:14.035	Agent-ubuntu	PAM: Login session closed.
Apr 12, 2025 @ 12:37:14.033	Agent-ubuntu	PAM: Login session opened

Document Details

Table JSON

View surrounding documents

View single document

f _index	wazuh-alerts-4.x-2025.04.12
f agent.id	001
f agent.ip	192.168.149.33
f agent.name	Agent-ubuntu
f decoder.name	ossec
f full_log	ossec: output: 'process list': PID USER COMMAND 1 root /sbin/init splash 2 root [kthreadd] 3 root [pool_workqueue_release] 4 root [kworker/R-rcu_g] 5 root [kworker/R-rcu_n]
f id	1744441649.113452
f input.type	log
f location	process list
f manager.name	wazuh-server
f rule.description	netcat listening for incoming connections.
# rule.firedtimes	1
f rule.groups	ossec, process_monitor
f rule.id	100051
# rule.level	7

Activate Windows
Go to Settings to activate Windows.

• Detected SQL injection :

Not secure https://192.168.149.82/app/threat-hunting#/overview?tab=general&tabView=events&a=(filters:[0,query:(language:kuery,query:"")])&g=(filters:[0,refreshInterval:(pause:!t,value:0),time:(from:...)

W. Threat Hunting

Dashboard Events

Search

manager.name: wazuh-server

Add filter

Count

timestamp

172

Apr 11, 2025 @ 14:44:36.260

Export Formatted 682 available fields Columns Density 1 fields sorted Full screen

timestamp	agent.name	rule.description
Apr 12, 2025 @ 14:44:23.806	Agent-ubuntu	SQL injection attempt.
Apr 12, 2025 @ 14:43:44.88:	Agent-ubuntu	IDS event.
Apr 12, 2025 @ 14:43:44.83:	Agent-ubuntu	IDS event.

Document Details

View surrounding documents

View single document

f agent.ip	192.168.149.33
f agent.name	Agent-ubuntu
f data.id	404
f data.protocol	GET
f data.srcip	192.168.149.94
f data.url	/users/?id=SELECT***FROM*users
f decoder.name	web-accesslog
f full_log	192.168.149.94 - - [12/Apr/2025:14:44:23 +0530] "GET /users/?id=SELECT***FROM*users HTTP/1.1" 404 437 "-" "curl/8.8.0"
f id	1744449263.183317
f input.type	log
f location	/var/log/apache2/access.log
f manager.name	wazuh-server
f rule.description	SQL injection attempt.
# rule.firedtimes	1
f rule.gdpr	IV_35.7.d
f rule.groups	web, accesslog, attack, sql_injection
f rule.id	31103
# rule.level	7

Activate Windows
Go to Settings to activate Windows.

• Detected Suspicious Binaries :

Threat Hunting

Document Details

Table JSON

t _index	wazuh-alerts-4.x-2025.04.12
t agent.id	001
t agent.ip	192.168.149.33
t agent.name	Agent-ubuntu
t data.file	/usr/bin/w
t data.title	Trojaned version of file detected.
t decoder.name	rootcheck
t full_log	Trojaned version of file '/usr/bin/w' detected. Signature used: 'uname -a proc .h bash' (Generic).
t id	1744450388.208590
t input.type	log
t location	rootcheck
t manager.name	wazuh-server
t rule.description	Host-based anomaly detection event (rootcheck).
# rule.firedtimes	2
t rule.gdpr	IV_35.7.d
t rule.groups	ossec, rootcheck

- **Detected A Shellshock Attack :**

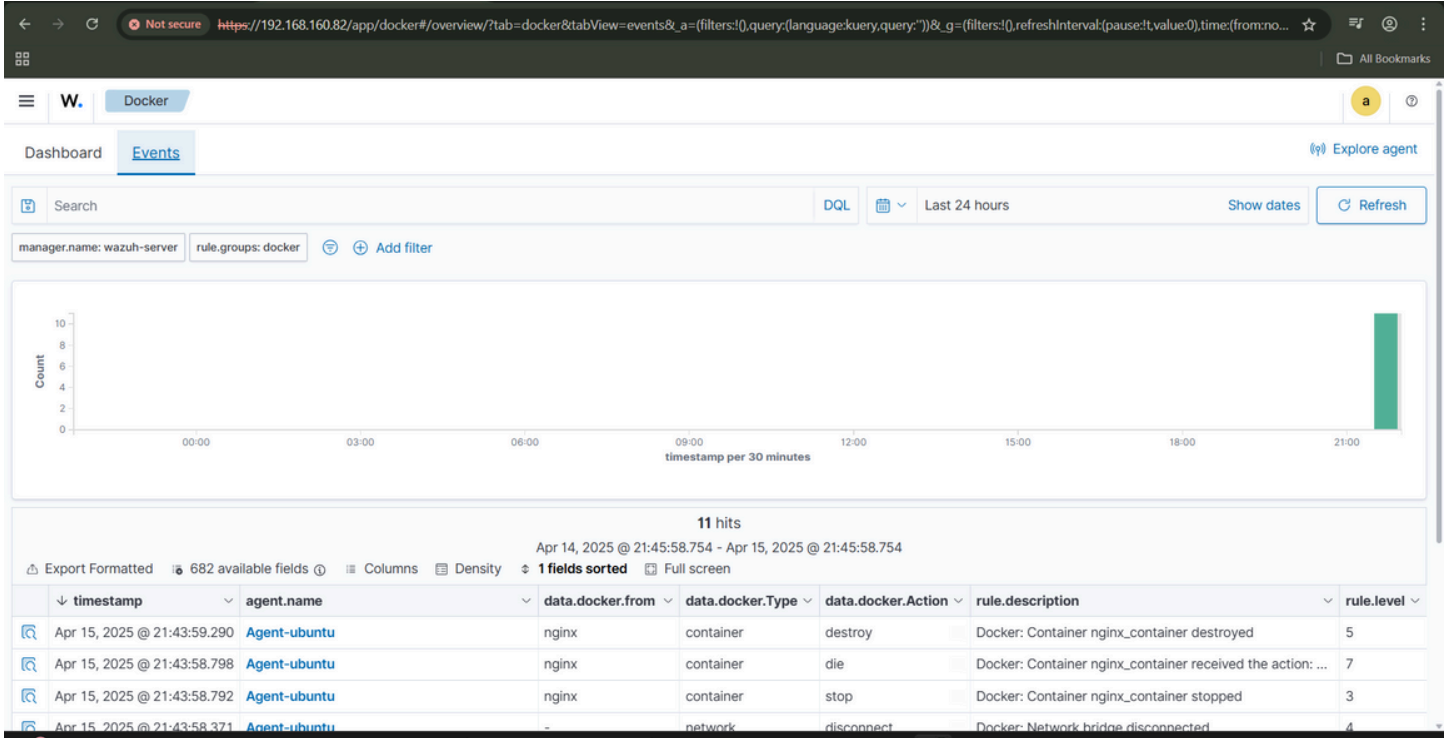
Threat Hunting

Document Details

Table JSON

t _index	wazuh-alerts-4.x-2025.04.15
t agent.id	001
t agent.ip	192.168.160.33
t agent.name	Agent-ubuntu
t data.id	200
t data.protocol	GET
t data.srcip	192.168.160.94
t data.url	/
t decoder.name	web-accesslog
t full_log	192.168.160.94 - - [15/Apr/2025:11:07:46 +0530] "GET / HTTP/1.1" 200 10926 "-" {} { : ; } /bin/cat /etc/passwd"
t id	1744695468.188425
t input.type	log
t location	/var/log/apache2/access.log
t manager.name	wazuh-server
t rule.description	Shellshock attack detected
# rule.firedtimes	2
t rule.gdpr	IV_35.7.d
t rule.groups	web_accesslog_attack

- **Monitored Docker Events :**



● Vulnerability Detection :

