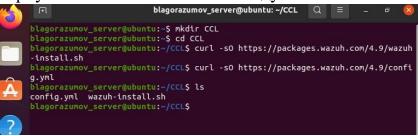


Развернули 2 BM и обеспечили между ними сетевой обмен



```
GNU nano 4.8

nodes:

# Wazuh indexer nodes
indexer:
- name: node-1
    ip: "127.0.0.1"
#- name: node-2
# ip: "<indexer-node-ip>"
#- name: node-3
# ip: "<indexer-node-ip>"

# Wazuh server nodes
# If there is more than one Wazuh server
# node, each one must have a node_type
server:
- name: wazuh-1
    ip: "127.0.0.1"
# node_type: master
#- name: wazuh-2
# ip: "<wazuh-manager-ip>"
# node_type: worker
#- name: wazuh-3
# ip: "<wazuh-manager-ip>"
# node_type: worker
#- name: dashboard
    ip: "127.0.0.1"

AG Get Help O Write Out OW Where Is Ok Cut Text OJ Justify
```

```
Plagorazomovigubuntu:-/SSSI$ sudo bash wazuh-install.sh --start-cluster
24/11/204 12:99:02 INFO: Starting Wazuh installation assistant. Wazuh version: 4.9.2
24/11/204 12:99:02 INFO: Verbose logging redirected to /var/log/wazuh-install.log
24/11/204 12:99:09 INFO: Verbose logging redirected to /var/log/wazuh-install.log
24/11/204 12:99:09 INFO: Installing gawk.
24/11/204 12:39:09 INFO: Wazuh indexer cluster security configuration initialized.
24/11/204 12:39:61 INFO: Wazuh indexer cluster security configuration initialized.
24/11/204 12:39:59 INFO: Wazuh indexer cluster security configuration initialized.
24/11/204 12:39:59 INFO: Wazuh indexer cluster security configuration initialized.
24/11/204 12:39:59 INFO: Nazuh indexer cluster started.
24/11/204 12:39:59 INFO: Removing gawk.
24/11/204 12:39:59 INFO: Removing gawk.
24/11/204 12:39:59 INFO: Removing gawk.
24/11/204 12:39:50 INFO: Removing gawk.
24/11/204 12:40:04 INFO: Wazuh indexer cluster started.
25/11/204 12:40:04 INFO: Wazuh indexer cluster started.
26/11/204 12:40:04 INFO: Wazuh indexer cluster started.
27/11/204 12:40:04 INFO: Wazuh indexer cluster started.
28/11/204 12:40:04 INFO: Wazuh indexer started.
28/11/204 12:40:04 INFO
```

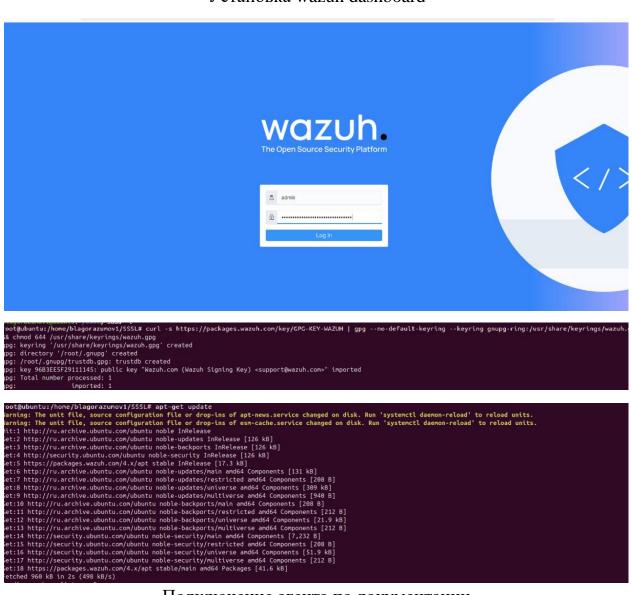
Установка wazuh-indexer и старт wazuh-cluster

```
blagorazumov1@ubuntu:~/SSSl$ sudo bash wazuh-install.sh --wazuh-server wazuh-1
[sudo] password for blagorazumov1:
06/11/2024 09:26:16 INFO: Starting Wazuh installation assistant. Wazuh version:
4.9.2
06/11/2024 09:26:16 INFO: Verbose logging redirected to /var/log/wazuh-install.
06/11/2024 09:30:10 INFO: --- Dependencies ----
06/11/2024 09:30:11 INFO: Installing gawk.
06/11/2024 09:30:47 INFO: Installing curl.
06/11/2024 09:31:14 WARNING: Hardware checks ignored.
06/11/2024 09:31:15 INFO: Wazuh web interface port will be 443.
06/11/2024 09:31:54 INFO: --- Dependencies ----
06/11/2024 09:31:54 INFO: Installing apt-transport-https.
06/11/2024 09:32:06 INFO: Installing debhelper.
06/11/2024 09:34:51 INFO: Wazuh repository added.
06/11/2024 09:34:52 INFO: --- Configuration files ---
06/11/2024 09:34:52 INFO: Generating configuration files.
06/11/2024 09:34:54 INFO: Generating the root certificate.
06/11/2024 09:34:55 INFO: Generating Admin certificates.
06/11/2024 09:34:55 INFO: Generating Wazuh indexer certificates.
06/11/2024 09:34:55 INFO: Generating Filebeat certificates.
06/11/2024 09:34:56 INFO: Generating Wazuh dashboard certificates.
06/11/2024 09:34:58 INFO: Created wazuh-install-files.tar. It contains the Wazu
h cluster key, certificates, and passwords necessary for installation.
06/11/2024 09:34:59 INFO: --- Wazuh indexer ---
06/11/2024 09:34:59 INFO: Starting Wazuh indexer installation.
06/11/2024 09:37:12 INFO: Wazuh indexer installation finished.
```

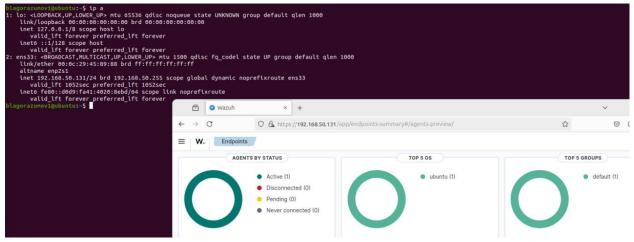
Установка wazuh-server

```
blagorazumov1@ubuntu:~/$$$1$ sudo bash wazuh-install.sh --wazuh-dashboard dash
[sudo] password for blagorazumov1:
06/11/2024 10:14:16 INFO: Starting Wazuh installation assistant. Wazuh version
4.9.2
06/11/2024 10:14:16 INFO: Verbose logging redirected to /var/log/wazuh-install
log
06/11/2024 10:15:10 INFO: --- Dependencies ----
06/11/2024 10:15:11 INFO: Installing gawk.
06/11/2024 10:15:47 INFO: Installing curl.
06/11/2024 10:16:14 WARNING: Hardware checks ignored.
06/11/2024 10:16:15 INFO: Wazuh web interface port will be 443.
06/11/2024 10:16:54 INFO: --- Dependencies ----
06/11/2024 10:16:54 INFO: Installing apt-transport-https.
```

Установка wazuh dashboard



Подключение агента по документации



Демонстрация успешного подключения

```
blagorazumov1@ubuntu:/var/ossec/etc

GNU nano 4.8

<!-- File integrity monitoring -->

<syscheck>

<disabled>no</disabled>

<!-- Frequency that syscheck is executed default every 12 hours -->

<frequency>43200</frequency>

<scan_on_start>yes</scan_on_start>

<!-- Directories to check (perform all possible verifications) -->

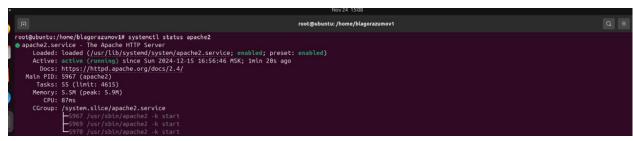
<directories>/etc,/usr/bin,/usr/sbin</directories>

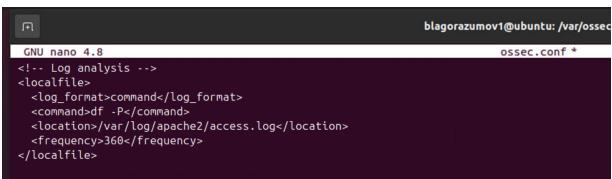
<directories>/bin,/sbin,/boot</directories>
```

Создаем проверку на целостность файлов

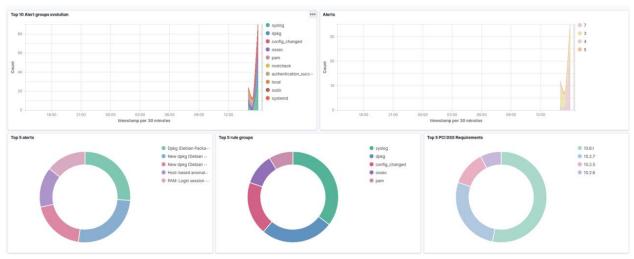
Приступаем к настройке выявления уязвимостей по документации

Настраиваем выявление руткитов\троянов и остальных скрытых процессов





Настраиваем выявление SQL-инъекций



Итоговая демонстрация панели срабатываний