Wazuh

Deployment on Kubernetes

<https://documentation.wazuh.com/4.8/deployment-options/deploying-with-kubernetes/index.html>

**Pre-requisites**

1. A Kubernetes cluster already deployed.

**Resource Requirement**

To deploy Wazuh on Kubernetes, the cluster should have at least the following resources available:

1. 2 CPU units
2. 3 Gi of memory
3. 2 Gi of storage

**Deployment**

Clone this repository to deploy the necessary services and pods.

>> git clone https://github.com/wazuh/wazuh-kubernetes.git -b v4.8.0 --depth=1

>> cd wazuh-kubernetes

**Setup SSL certificates**

You can generate self-signed certificates for the Wazuh indexer cluster using the script at wazuh/certs/indexer\_cluster/generate\_certs.sh or provide your own.

You can generate self-signed certificates for the Wazuh dashboard cluster using the script at wazuh/certs/dashboard\_http/generate\_certs.sh or provide your own.

The required certificates are imported via secretGenerator on the kustomization.yml file:

secretGenerator:

- name: indexer-certs

files:

- certs/indexer\_cluster/root-ca.pem

- certs/indexer\_cluster/node.pem

- certs/indexer\_cluster/node-key.pem

- certs/indexer\_cluster/dashboard.pem

- certs/indexer\_cluster/dashboard-key.pem

- certs/indexer\_cluster/admin.pem

- certs/indexer\_cluster/admin-key.pem

- certs/indexer\_cluster/filebeat.pem

- certs/indexer\_cluster/filebeat-key.pem

- name: dashboard-certs

files:

- certs/dashboard\_http/cert.pem

- certs/dashboard\_http/key.pem

- certs/indexer\_cluster/root-ca.pem