

EFK

elasticsearch

docker-compose

```
version: '3.1'

services:
  elasticsearch:
    image: docker.elastic.co/elasticsearch/elasticsearch:7.6.2
    container_name: elasticsearch
    environment:
      - node.name=elasticsearch
      - discovery.type=single-node
      - bootstrap.memory_lock=true
      - "ES_JAVA_OPTS=-Xms512m -Xmx512m"
      - "ELASTIC_PASSWORD=iyfbvr1EM19jqjq"
      - "xpack.security.enabled=true"
    ulimits:
      memlock:
        soft: -1
        hard: -1
    volumes:
      - ./es_data: /usr/share/elasticsearch/data
    ports:
      - 9200: 9200
```

fluentd k8s

```
---
apiVersion: v1
kind: ServiceAccount
metadata:
  name: fluentd
  namespace: kube-system
---
apiVersion: rbac.authorization.k8s.io/v1
```

kind: ClusterRole

metadata:

name: fluentd

rules:

- apiGroups:

- ""

resources:

- pods

- namespaces

verbs:

- get

- list

- watch

kind: ClusterRoleBinding

apiVersion: rbac.authorization.k8s.io/v1

metadata:

name: fluentd

roleRef:

kind: ClusterRole

name: fluentd

apiGroup: rbac.authorization.k8s.io

subjects:

- kind: ServiceAccount

name: fluentd

namespace: kube-system

apiVersion: apps/v1

kind: DaemonSet

metadata:

name: fluentd

namespace: kube-system

labels:

k8s-app: fluentd-logging

version: v1

spec:

selector:

matchLabels:

k8s-app: fluentd-logging

```
    version: v1
template:
  metadata:
    labels:
      k8s-app: fluentd-logging
      version: v1
  spec:
    serviceAccount: fluentd
    serviceAccountName: fluentd
    tolerations:
      - key: node-role.kubernetes.io/control-plane
        effect: NoSchedule
      - key: node-role.kubernetes.io/master
        effect: NoSchedule
    containers:
      - name: fluentd
        image: fluent/fluentd-kubernetes-daemonset:v1-debian-elasticsearch
        env:
          - name: K8S_NODE_NAME
            valueFrom:
              fieldRef:
                fieldPath: spec.nodeName
          - name: FLUENT_ELASTICSEARCH_HOST
            value: "elasticsearch-logging"
          - name: FLUENT_ELASTICSEARCH_PORT
            value: "9200"
          - name: FLUENT_ELASTICSEARCH_SCHEME
            value: "http"
          # Option to configure elasticsearch plugin with self signed certs
          # =====
          - name: FLUENT_ELASTICSEARCH_SSL_VERIFY
            value: "true"
          # Option to configure elasticsearch plugin with tls
          # =====
          - name: FLUENT_ELASTICSEARCH_SSL_VERSION
            value: "TLSv1_2"
          # X-Pack Authentication
          # =====
          - name: FLUENT_ELASTICSEARCH_USER
            value: "elastic"
```



```
kibana:
  image: docker.elastic.co/kibana/kibana: 7.6.2
  ports:
    - 5601: 5601
  volumes:
    - ./kibana.yml: /usr/share/kibana/config/kibana.yml
```

kibana

```
#
# ** THIS IS AN AUTO-GENERATED FILE **
#

# Default Kibana configuration for docker target
server.name: kibana
server.host: "0"
elasticsearch.hosts: [ "http://192.168.5.23:9200" ]
xpack.monitoring.ui.container.elasticsearch.enabled: true
elasticsearch.username: elastic
elasticsearch.password: iyfbvr1EM19jqjq
```

```
# #1
# 5 2023 03:08:23
# 15 2025 14:56:20
```