

Fluentd Helm Chart for Kubernetes

Here at Coralogix, we love [Kubernetes](#) and we love making things simple. To help streamline your Kubernetes monitoring, we created this chart to bootstrap [our optimized Fluentd image](#) to create a DaemonSet on your [Kubernetes](#) cluster using the [Helm](#) Package Manager.

Our chart also supports metrics for Fluentd itself by default and is MultiArch.

Our Helm chart is open source and you are welcome to review and make suggestions for improvements in our [Integrations repository](#).

Prerequisites

- **Kubernetes** 1.20+ with Beta APIs enabled.
- **Helm** 2.9+ Package Manager installed (For installation instructions please visit [Get Helm!](#)).

Kubernetes 1.25+

podsecuritypolicy has been deprecated for this version up.

You can disable this by adding the following to your override file

```
podSecurityPolicy:  
  create: false
```

Installation

Create a Namespace for the daemonset (in our example we will use: **coralogix-logger**):

```
kubectl create namespace coralogix-logger
```

Create Secret Key

Your [Send-Your-Data API key](#) can be found in the Coralogix UI in the top of the screen under *Data Flow --> API Keys --> Send Your Data*

```
kubectl create secret generic coralogix-keys \  
  -n coralogix-logger \  
  --from-literal=PRIVATE_KEY=<Send-Your-Data API key>
```

Add the Helm Chart Repo

(And run an update to fetch it)

```
helm repo add coralogix-charts-virtual
https://cgx.jfrog.io/artifactory/coralogix-charts-virtual &&
helm repo update
```

Create An override.yml File

This is where you can override settings like the HTTP endpoint to which we send logs (we added a table of endpoints at the bottom of this manual).

You can also change the dynamic field from which we extract the application and subsystem name or completely override the configuration.

```
---
#override.yml:
fluentd:
  configMapConfigs:
    - fluentd-prometheus-conf
    # - fluentd-systemd-conf
  env:
    - name: APP_NAME
      value: namespace_name
    - name: SUB_SYSTEM
      value: container_name
    - name: APP_NAME_SYSTEMD
      value: systemd
    - name: SUB_SYSTEM_SYSTEMD
      value: kubelet.service
    - name: ENDPOINT
      value: <put_your_coralogix_endpoint_here>
    - name: "FLUENTD_CONF"
      value: "../etc/fluent/fluent.conf"
    - name: LOG_LEVEL
      value: error
    - name: K8S_NODE_NAME
      valueFrom:
        fieldRef:
          fieldPath: spec.nodeName
```

Deploy the Chart

```
helm upgrade fluentd-http coralogix-charts-virtual/fluentd-http \
  --install --namespace=coralogix-logger \
  -f override.yaml
```

Remove the Daemonset

```
helm uninstall fluentd-http \
  -n coralogix-logger
```

Coralogix Endpoints

Select the **Coralogix Logs** endpoint associated with your Coralogix domain [here](#).

🕒 Last updated: July 15, 2025

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Generated on: November 17, 2025

Source: <https://coralogix.com/docs/integrations/kubernetes/fluentd-helm-chart-for-kubernetes/>