

title: Logagent output filter for Kubernetes log enrichment description: Logagent features a modular logging architecture framework where each input or output module is implemented as a plugin. Use Kubernetes log enrichment to add metadata like labels or Kubernetes pod information to container logs or route logs to different destinations by setting Kubernetes annotations with the log index.

## Output Filter: kubernetes-enrichment

Output filter plugin to add metadata such as Kubernetes pod information to container logs or route logs to different destinations by setting pod annotations.

Features:

- Attach Kubernetes meta data (namespace, UUID, pod name, container name in pod, image name)
- Evaluates pod annotations for Sematext Cloud:
  - `sematext.com/logs-token=YOUR_LOGS_TOKEN` to set the log index
  - `sematext.com/logs-enabled=<true|false>` to switch logging per pod on or off
  - `sematext.com/logs-receiver-url=https://logsene-receiver.sematext.com/token` set Elasticsearch API endpoint for log ingestion
  - `sematext.com/logs-remove-fields=<field list>` to remove specific log fields from pod logs

Applications:

- Log routing based on Kubernetes annotations
- Use Kubernetes API to get correct Kubernetes metadata

## Configuration

```
input:
  docker:
    module: docker-logs
    socket: /var/run/docker.sock
    labelFilter: com.docker.*,io.kubernetes.*,annotation.*

outputFilter:
  dockerEnrichment:
    module: docker-enrichment
    autodetectSeverity: true
  k8sEnrichment:
    module: kubernetes-enrichment

output:
  sematext:
```

```
module: elasticsearch
url: https://logsene-receiver.sematext.com
index: YOUR_LOGS_TOKEN
```

Start Logagent

```
logagent --config k8s.yaml
```

Kubernetes enrichment plugin is supported with CLI without any configuration file:

```
logagent --k8sEnrichment --docker /var/run/docker.sock --yaml
```