

# Taints and Tolerations

## Overview

### Add a Taint

```
kubectl taint nodes docker-desktop is_control=true:NoExecute
```

### Remove a Taint

```
kubectl taint nodes docker-desktop is_control=true:NoExecute-
```

## Example

```
apiVersion: apps/v1
kind: DaemonSet
metadata:
  name: fluentd-elasticsearch
  namespace: kube-system
  labels:
    k8s-app: fluentd-logging
spec:
  selector:
    matchLabels:
      name: fluentd-elasticsearch
  template:
    metadata:
      labels:
        name: fluentd-elasticsearch
    spec:
      tolerations:
        - key: "is_control"
          operator: "Equal"
            value: "true"
          effect: "NoExecute"
      containers:
        - name: fluentd-elasticsearch
      ..
```

The above toleration will allow the pod to be deployed on a node with a matching taint.

## References

Reference	URL
Taints and Tolerations	<a href="https://kubernetes.io/docs/concepts/scheduling-eviction/taint-and-toleration/">https://kubernetes.io/docs/concepts/scheduling-eviction/taint-and-toleration/</a>
Kubernetes Taints & Tolerations	<a href="https://www.densify.com/kubernetes-autoscaling/kubernetes-taints">https://www.densify.com/kubernetes-autoscaling/kubernetes-taints</a>