

06-daemonset

DaemonSet What it is DaemonSet runs exactly one Pod copy (or configured pattern) on each eligible node. When to use Node agents: log collectors, monitoring, CNI helpers Security agents that must run on all nodes Key fields spec.selector and spec.template spec.template.spec.nodeSelector / tolerations spec.updateStrategy: rolling behavior across nodes Common commands bash kubectl get daemonset -A kubectl describe daemonset fluent-bit -n kube-system kubectl rollout status daemonset/fluent-bit -n kube-system kubectl delete daemonset fluent-bit -n kube-system YAML example yaml apiVersion: apps/v1 kind: DaemonSet metadata: name: node-exporter namespace: monitoring spec: selector: matchLabels: app: node-exporter template: metadata: labels: app: node-exporter spec: tolerations: - operator: Exists containers: - name: exporter image: prom/node-exporter:v1.8.2 ports: - name: metrics containerPort: 9100 Practical notes New nodes automatically get the DaemonSet Pod. Exclude nodes with taints/labels when needed.