

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.