

DaemonSet

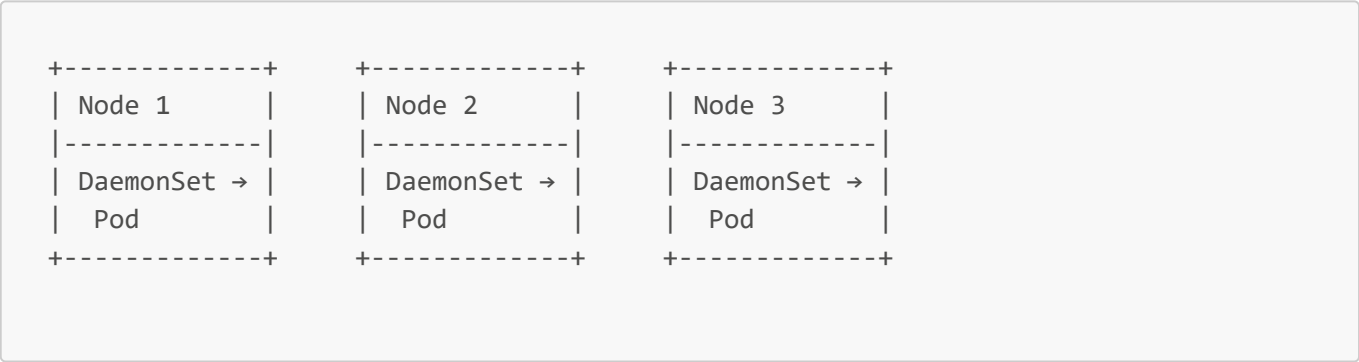
A DaemonSet ensures that one copy of a specific pod runs on every node in your Kubernetes cluster.

If you have 5 worker nodes, a DaemonSet will run 1 pod on each node automatically.

Why is DaemonSet Important

Use Case	Why DaemonSet is Needed
Node-level logging	Run Fluentd , Filebeat to collect logs from all nodes
Node monitoring	Run Prometheus Node Exporter , Datadog agent
Security agents	Install antivirus , Falco , etc. on all nodes
Network setup	Run CNI plugins like Calico, WeaveNet
Storage management	Deploy Ceph , GlusterFS , etc.

Block diagram of DaemonSet



Commands

```
# List all DaemonSets
kubectl get daemonsets -A

# Describe a specific DaemonSet
kubectl describe ds <name> -n <namespace>

# Delete a DaemonSet
kubectl delete ds <name> -n <namespace>
```