

Hub Cluster: Placement

apiVersion: cluster.open-cluster-management.io/v1beta1

kind: **Placement**

metadata:

name: dashboard-placement

namespace: openshift-gitops

spec:

clusterSets:

- **default**

predicates:

- requiredClusterSelector:

labelSelector:

matchExpressions:

- key: **provider**

operator: In

values:

- **dc**

Clusters

Cluster list Cluster sets Cluster pools Discovered clusters

Learn more about the terminology

Cluster sets

ManagedClusterSet resources allow the grouping of cluster resources, which enables role-based access control management across all of the resources in the group.

[View documentation](#)

Submariner

Submariner is an open-source tool that can be used to provide direct networking between two or more Kubernetes clusters in a given ManagedClusterSet, either on-premises or in the cloud.

[View documentation](#)

Name	Cluster status	Namespace bindings
<input type="checkbox"/> global	1 1	open-cluster-management-global-set
<input type="checkbox"/> default	1 1	oid openshift-gitops

Name	local-cluster
Namespace	local-cluster
Status	Ready
Infrastructure	aws Amazon Web Services
Control plane type	Hub
Distribution version	OpenShift 4.17.21 Upgrade available
Labels	openshiftVersion-major=4 openshiftVersion-major-minor=4.17 velero.io/exclude-from-backup=true 15 more
Nodes	1
Add-ons	8
Creation date	3/27/2025, 5:05:53 PM

Hub Cluster: Target specific deployments in a namespace on selected clusters

```
apiVersion: policy.open-cluster-management.io/v1
kind: Policy
metadata:
  name: dev-ha-policy
  namespace: cicd
spec:
  remediationAction: inform
  disabled: false
  policy-templates:
    - objectDefinition:
        apiVersion: policy.open-cluster-management.io/v1
        kind: ConfigurationPolicy
        metadata:
          name: ha
        spec:
          remediationAction: inform
          severity: high
          namespaceSelector:
            include:
              - dev-ns
          object-templates:
            - complianceType: musthave
              objectDefinition:
                apiVersion: apps/v1
                kind: Deployment
                metadata:
                  labels:
                    sla: ha
                spec:
                  replicas: 2
          labelSelector:
            matchExpressions:
              - key: sla
                operator: In
                values:
                  - ha
```

Policy

Control
target
objects

Placement

Control
target
clusters

```
apiVersion: cluster.open-cluster-
management.io/v1beta1
kind: Placement
metadata:
  name: dev-placement
  namespace: cicd
spec:
  clusterSets:
    - default
  predicates:
    - requiredClusterSelector:
        labelSelector:
          matchExpressions:
            - key: env
              operator: In
              values:
                - dev
```



Use Case Catalog

Day 1

1. [UC01](#): Cluster as a service
2. [UC02](#): VM as a service
3. [UC03](#): Namespace as a service
4. [UC04](#): Container as a service
5. [UC05](#): Cloud native as a service
6. [UC06](#): VM migration as a service
7. [UC07](#): Baseline Configuration
8. [UC08](#): Custom Policies
9. [UC09](#): Control Policy Scope
10. [UC10](#): AuthN and Identity Providers
11. [UC11](#): Authorization and RBAC
12. [UC12](#): Zero Trust enforcement
13. [UC13](#): Workload network policies

Day 2

14. [UC14](#): Cross provider connectivity
15. [UC15](#): Hybrid workload
16. [UC16](#): Workload scalability
17. [UC17](#): Cluster autoscaling
18. [UC18](#): Metrics and Logging
19. [UC19](#): Network graphs
20. [UC20](#): Policy violation dashboard
21. [UC21](#): Day 2 Operations
22. [UC22](#): Cluster upgrades
23. [UC23](#): Developer onboarding
24. [UC24](#): Trusted SW supply chain

Day 3 (hands-on workshop)

25. [UC25](#): Node Resiliency
26. [UC26](#): Cluster and site resiliency
27. [UC27](#): Backup & Restore

Hands-on labs

1. [UC02](#): VM as a service
2. [UC04](#): Container as a service
3. [UC06](#): VM migration as a service
4. [UC11](#): Authorization and RBAC
5. [UC12](#): Zero Trust enforcement
6. [UC16](#): Workload scalability
7. [UC24](#): Trusted SW supply chain

