PlacementBinding

```yaml
apiVersion: policy.open-cluster-management.io/v1
kind: PlacementBinding
metadata:
 name: prod-ha-policy-placement
 namespace: cicd
placementRef:
 name: dev-placement
 apiGroup: cluster.open-cluster-management.io
 kind: Placement
subjects:
 - name: dev-ha-policy
   apiGroup: policy.open-cluster-management.io
   kind: Policy
```

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

```yaml
apiVersion: policy.open-cluster-management.io/v1
kind: Policy
metadata:
  name: dev-ha-policy
  namespace: cicd
spec:
  emediationAction: 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
```

```yaml
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
```

Control
target
objects

Control
target
clusters

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

```
apiVersion: policy.open-cluster-management.io/v1
kind: Policy
metadata:
 name: dev-ha-policy
 namespace: cicd
spec:
 emediationAction: 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
```

PlacementBinding

```
apiVersion: policy.open-cluster-management.io/v1
kind: PlacementBinding
metadata:
 name: prod-ha-policy-placement
 namespace: cicd
placementRef:
 name: dev-placement
 apiGroup: cluster.open-cluster-management.io
 kind: Placement
subjects:
 - name: dev-ha-policy
   apiGroup: policy.open-cluster-management.io
   kind: Policy
```

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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

Control Policy Scope