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Exam : **EX432**

Title : Red Hat Certified Specialist in OpenShift Advanced Cluster Management

Version : DEMO

1.SIMULATION
Task 1
Install RHACM Operator (Web Console)
Answer:
Log in to the OpenShift Web Console as a cluster-admin user.
Go to Operators → OperatorHub.
OperatorHub is the catalog of available operators.
In the search box, type: Advanced Cluster Management.
Click Advanced Cluster Management for Kubernetes (Red Hat ACM).
Click Install.
In the install wizard:
Update channel: choose the recommended/stable channel for your lab.
Installation mode: typically “All namespaces on the cluster” (default).
Installed Namespace: select or create open-cluster-management. Click Install and wait for the operator to show Succeeded in: Operators → Installed Operators.
Why these steps matter:
Installing the ACM operator creates the CRDs/controllers required to run the Hub components (MultiClusterHub) that manage/import other clusters.

2.SIMULATION
Task 2
Create MultiClusterHub (CLI Alternative)
Task information: Apply the MultiClusterHub custom resource if not using Web Console.
Answer:
Ensure you are logged into the hub cluster:
oc whoami
oc project open-cluster-management
Create/apply the MultiClusterHub CR:
oc apply -f multiclusterhub.yaml
Verify it was created:
oc get multiclusterhub -A
oc describe multiclusterhub -n open-cluster-management
Watch pods come up (typical namespaces include open-cluster-management, open-cluster-management-hub, etc. depending on ACM version/config):
oc get pods -n open-cluster-management -w
Why these steps matter:
The MultiClusterHub CR is the “hub installation” object. The operator reconciles it and installs/maintains hub services.

3.SIMULATION
Task 3
Create Development ClusterSet
Answer:
Create the ManagedClusterSet:

oc create managedclusterset development
Confirm it exists:
oc get managedclusterset
oc describe managedclusterset development
Why these steps matter:
ClusterSets are an ACM grouping primitive used for RBAC scoping, governance targeting, and multi-cluster app placement.

4.SIMULATION
Task 4
Create Production ClusterSet
Answer:
Create the ManagedClusterSet:
oc create managedclusterset production
Validate:
oc get managedclusterset
oc describe managedclusterset production
Why this matters:
Separating development and production clusters is common for governance/RBAC isolation.

5.SIMULATION
Task 5
Import Cluster (Web Console)
Answer:
In the hub cluster Web Console, go to Infrastructure → Clusters (ACM console navigation).
Click Import cluster.
Provide a name (the UI may request details like distribution/credentials depending on flow).
The wizard will provide a command to run on the managed cluster you want to import.
Copy that import command.
Log into the managed cluster (spoke) using oc and run the copied command. Back on the hub, wait until the cluster status becomes Ready / Managed.
Why these steps matter:
Import registers the managed cluster, installs the klusterlet/agent components, and enables policy/app placement management.